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Mamre Road Data Centre Campus (SSD-92743706)

Revised Air Quality Impact Assessment - Appendices

Addressee(s): Plan Project Management Pty Ltd

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Final Authority

This report must be regarded as draft until the above study components have been each marked as final, and the document has been signed and dated below. A draft report is a working document, is issued without prejudice and is subject to change.



M Doyle

29 June 2026

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This document is titled as “Mamre Road Data Centre Campus (SSD-92743706) - Revised Air Quality Impact Assessment - Appendices” (file reference: 26.1012.FR9V1).

Due to the size of the overall document the accompanying assessment report is provided under separate cover called “Mamre Road Data Centre Campus (SSD-92743706) – Revised Air Quality Impact Assessment – Main Report” (file reference: 26.1012.FR8V1) and should be read in conjunction with the main report.

APPENDIX A

Commonly Used Units and Abbreviations

Units Used in the Report

Units presented in the report follow the International System of Units (SI) conventions, unless derived from references using non-SI units.

Commonly used SI units

The following units are commonly used in Northstar reports.

Symbol	Name	Quantity
SI base units		
K	Kelvin	thermodynamic temperature
kg	kilogram	mass
m	metre	length
mol	mole	amount of substance
s	seconds	time
Non-SI units mentioned in the SI or accepted for use		
°	degree	plane angle
d	day	time
h	hour	time
ha	hectare	area
J	joule	energy
L	litre	volume
min	minute	time
N	newton	force or weight
t	tonne	mass
V	volt	electrical potential
W	watt	power

Multiples of SI and non-SI units

The following prefixes are added to unit names to produce multiples and sub-multiples of units:

Prefix	Symbol	Factor
T	tera-	10^{12}
G	giga-	10^9
M	mega-	10^6
k	kilo-	10^3
h	hector-	10^2
da	deca-	10^1

Prefix	Symbol	Factor
p	pico-	10^{-12}
n	nano-	10^{-9}
μ	micro-	10^{-6}
m	milli-	10^{-3}
c	centi-	10^{-2}
d	deci-	10^{-1}

In this report, units formed by the division of SI and non-SI units are expressed as a negative exponent, and do not use the solidus (/) symbol.

For example:

- 50 micrograms per cubic metre would be presented as 50 $\mu\text{g}\cdot\text{m}^{-3}$ and not 50 $\mu\text{g}/\text{m}^3$; and,
- 0.2 kilograms per hectare per hour would be presented as 0.2 $\text{kg}\cdot\text{ha}^{-1}\cdot\text{hr}^{-1}$ and not 0.2 $\text{kg}/\text{ha}/\text{hr}$.

Commonly used SI-derived and non-SI units

Symbol	Name	Quantity
$\text{g}\cdot\text{m}^{-2}\cdot\text{s}^{-1}$	gram per square metre per second	rate of mass deposition per unit area
$\text{g}\cdot\text{s}^{-1}$	gram per second	rate of mass emission
$\text{kg}\cdot\text{ha}^{-1}\cdot\text{hr}^{-1}$	kilogram per hectare per hour	rate of mass deposition per unit area
$\text{kg}\cdot\text{m}^{-3}$	kilogram per cubic metre	density
$\text{L}\cdot\text{s}^{-1}$	litres per second	volumetric rate
m^2	square metre	area
m^3	cubic metre	volume
$\text{m}\cdot\text{s}^{-1}$	metre per second	speed and velocity
$\text{mg}\cdot\text{m}^{-3}$	milligram per cubic metre	mass concentration per unit volume
$\text{mg}\cdot\text{Nm}^{-3}$	milligram per normalised cubic metre (of air)	mass concentration per unit volume
$\mu\text{g}\cdot\text{m}^{-3}$	microgram per cubic metre	mass concentration per unit volume
$\text{mg}\cdot\text{m}^{-3}$	milligram per cubic metre	mass concentration per unit volume
Pa	pascal	pressure
ppb	parts per billion (1×10^{-9})	volumetric concentration
pphm	parts per hundred million (1×10^{-5})	volumetric concentration
ppm	parts per million (1×10^{-6})	volumetric concentration

Commonly used abbreviations

Abbreviation	Term
ABS	Australian Bureau of Statistics
ACT	Australian Commonwealth Territory
AGL	above ground level
AHD	Australian height datum
APC	air pollution control
AQI	air quality index
AQIA	air quality impact assessment
AQMS	air quality monitoring station
AQRA	air quality risk assessment
ARPANSA	Australian Radiation Protection and Nuclear Safety Agency
AS/NZS	Australian Standard / New Zealand Standard
AWS	automatic weather station
BCA	Building Code of Australia
BGL	below ground level
BOM	Bureau of Meteorology

Abbreviation	Term
CAQMP	construction air quality management plan
CEMP	construction environment management plan
CH ₄	methane
CO	carbon monoxide
CO ₂	carbon dioxide
CSIRO	Commonwealth Scientific and Industrial Research Organisation
DEM	digital elevation model
EETM	emission estimation technique manual
EPA VIC	Environmental Protection Authority Victoria
EPBC	Environment Protection and Biodiversity Conservation Act
FIBC	flexible intermediate bulk container
GIS	geographical information system
IAQM	UK Institute of Air Quality Management
IBC	intermediate bulk container
ID	internal diameter
LLV	low level waste
LoM	life of mine
MSDS	Material Safety Data Sheet
NCAA	National Clean Air Agreement
NEPM	National Environment Protection Measure
NH ₃	ammonia
NO	nitric oxide
NO _x	oxides of nitrogen
NO ₂	nitrogen dioxide
NORM	naturally occurring radioactive material
NSW	New South Wales
NSW DCCEEW	New South Wales Department of Climate Change, Energy, the Environment and Water
NSW EPA	New South Wales Environment Protection Authority
NT	Northern Territory
OEMP	operational environmental management plan
O ₃	ozone
OU	odour unit
OU·m ³ ·s ⁻¹	odour units times metres cubed per second
OU·s ⁻¹	odour units per second
Pb	lead
PM	particulate matter
PM ₁₀	particulate matter with an aerodynamic diameter of 10 µm or less
PM _{2.5}	particulate matter with an aerodynamic diameter of 2.5 µm or less
ROM	run of mine
SA	South Australia
SEPP	State Environmental Protection Policy

Abbreviation	Term
SO _x	oxides of sulphur
SO ₂	sulphur dioxide
SRTM3	Shuttle Radar Topography Mission
SVOC	semi-volatile organic compound
TAPM	The Air Pollution Model
TARP	trigger action response plan
TAS	Tasmania
TEU	twenty-foot equivalent unit
TSP	total suspended particulates
TVOC	total volatile organic compounds
TWA	time weighted average
US EPA	United States Environmental Protection Agency
UTM	Universal Transverse Mercator
VIC	Victoria
VLLW	very low level waste
VOC	volatile organic compound

APPENDIX B

Sensitive Receptor Locations

Table B1 Discrete sensitive receptor locations

Receptor ID	Location	Land use	Coordinates (UTM)	
			mE	mS
R1	1 Bakers Lane, Kemps Creek	Residential	294 844	6 254 331
R2	Mamre Anglican School, Kemps Creek	Educational	295 142	6 254 273
R3	Mamre Christian College, Kemps Creek	Educational	295 169	6 254 330
R4	Little Smarties Early Learning Centre	Educational	295 174	6 254 272
R5	Trinity Catholic Primary School, Kemps Creek	Educational	295 348	6 254 492
R6	Emmaus Catholic College, Kemps Creek	Educational	295 550	6 254 313
R7	Emmaus Retirement Village, Kemps Creek	Residential	295 709	6 254 600
R8	Catholic Healthcare Emmaus Retirement Vill.,	Residential	295 755	6 254 749
R9	Mamre Road, Kemps Creek	Residential	294 635	6 254 591
R10	The Yards, Kemps Creek	Industrial	294 614	6 254 345
R11	The Yards, Kemps Creek	Industrial	294 573	6 254 203
R12	The Yards, Kemps Creek	Industrial	294 607	6 253 972
R13	The Yards, Kemps Creek	Industrial	294 614	6 253 821
R14	Yiribana Logistics Estate, Kemps Creek	Industrial	294 959	6 253 749
R15	Aspect Industrial Estate, Kemps Creek	Industrial	294 906	6 253 400
R16	St Narsai Assyrian Christian College	Educational	299 164	6 253 214
R18	Marion Catholic Primary School	Educational	301 169	6 253 313
R17	Horsely Park Public School, Horsley Park	Educational	301 270	6 253 384
R19	Blackwell Public School, St Clair	Educational	294 779	6 257 025
R20	Erskine Park High School, Erskine Park	Educational	296 604	6 256 986
R21	James Erskine Public School, Erskine Park	Educational	296 665	6 257 203
R22	Clairgate Public School, St Clair	Educational	296 273	6 258 174
R23	St Clair Public School, St Clair	Educational	295 039	6 258 209
R24	St Clair High School, St Clair	Educational	295 130	6 258 366
R25	Holy Spirit Primary School, St Clair	Educational	294 607	6 258 396
R26	Banks Public School, St Clair	Educational	293 881	6 258 444
R27	Do-Re-Mi Early Learning Centre	Educational	297 134	6 250 248
R28	Kidzspot Early Learning Centre – Dilga, EP	Educational	296 112	6 257 556
R29	Kidzspot Early Learning Centre – Lima, EP	Educational	296 438	6 257 575
R30	Phoenix Reserve, Erskine Park	Recreational	296 542	6 257 571
R31	Old MacDonalds Childcare Centre	Educational	294 057	6 255 701
R32	Dutt Medical Centre, St Clair	Medical	294 164	6 257 251
R33	Melville Road Family Medical Centre, St Clair	Medical	294 543	6 258 661
R34	Kindana Children's Centre, St Clair	Educational	294 577	6 258 628
R35	Provincial Medical Centre, St Clair	Medical	295 347	6 258 382
R36	Horsely Park Medical Centre, Horsley Park	Medical	300 854	6 253 331
R37	Horsley Kids Early Childhood Centre	Educational	301 002	6 253 277
R38	Kemps Creek Industrial Estate, Kemps Creek	Industrial	296 363	6 253 578
R39	Kemps Creek Industrial Estate, Kemps Creek	Industrial	296 323	6 252 786

Receptor ID	Location	Land use	Coordinates (UTM)	
			mE	mS
R40	Aspect Industrial Estate, Kems Creek	Industrial	295 268	6 253 400
R41	Emporium Avenue, Kems Creek	Industrial	295 825	6 254 170
R42	Amazon Fulfillment Centre, Emporium Ave	Industrial	296 216	6 254 471
R43	Coles ADC Emporium Ave	Industrial	296 469	6 254 871
R44	The Yards, Kems Creek	Industrial	294 082	6 254 117
R45	The Yards, Kems Creek	Industrial	293 884	6 254 133
R46	Fire and Rescue NSW Emergency Services Academy, Distribution Drive, Orchard Hills	Educational	294 304	6 254 914
R47	Warehouse, Sarah Andrews Cl, Erskine Park	Industrial	294 673	6 254 875
R48	Woolworths DC, Sarah Andrews Cl	Industrial	295 037	6 254 949
R49	DHL Supply Chain, Templar Road	Industrial	295 952	6 255 129
R50	Templar Road, Erskine Park	Industrial	295 624	6 255 371
R51	Erskine Park Road, Erskine Park	Industrial	294 748	6 255 827
R52	Grady Crescent, Erskine Park	Industrial	296 744	6 256 156
R53	Erskine Park Road, Erskine Park	Industrial	294 879	6 256 316
R54	Kasie Place, St Clair	Residential	294 353	6 256 556
R55	Coowarra Drive, St Clair	Residential	295 028	6 256 635
R56	Dunstaffnage Place, Erskine Park	Residential	296 079	6 256 719
R57	Mandalong Close, Orchard Hills	Residential	293 985	6 255 988
R58	Mandalong Close, Orchard Hills	Residential	293 537	6 255 820
R59	Mamre Road, Orchard Hills	Residential	293 276	6 255 212
R60	Twin Creeks Drive, Luddenham	Industrial	292 882	6 253 980
R61	Medinah Avenue, Luddenham	Residential	292 999	6 253 792
R62	Medinah Avenue, Luddenham	Residential	293 237	6 253 103
R63	Mamre Road, Kems Creek	Residential	295 340	6 252 384
R64	Ganton Way, Luddenham	Residential	292 865	6 252 423
R65	Greenway Place, Horsley Park	Residential	298 647	6 253 861
R66	Capitol Hill Drive, Mount Vernon	Residential	298 344	6 253 139
R67	Bowood Road, Mount Vernon	Residential	297 694	6 252 401
R68	Aldington Road, Kems Creek	Residential	296 259	6 251 744
R69	Mamre Road, Kems Creek	Residential	295 497	6 251 556
R70	Mamre Road, Kems Creek	Residential	295 203	6 252 040
R72	Mamre Road, Kems Creek	Residential	294 727	6 252 701
R71	Mamre Road, Kems Creek	Residential	294 670	6 252 893
R73	Mamre Road, Kems Creek	Residential	294 621	6 253 098
R74	Imperata Close, Kems Creek	Industrial	297 083	6 253 940
R75	Johnston Crescent, Horsley Park	Industrial	298 283	6 254 543
R76	Millner Avenue, Horsley Park	Industrial	298 318	6 254 962
R77	Medinah Avenue, Luddenham	Residential	293 264	6 253 295
R78	Medinah Avenue, Luddenham	Residential	293 139	6 253 624

Receptor ID	Location	Land use	Coordinates (UTM)	
			mE	mS
R79	Twin Creeks Golf & Country Clu	Recreational	292 776	6 253 762
R80	Farmingdale Court, Luddenham	Residential	292 596	6 251 851
R81	Comargo Lane, Luddenham	Residential	292 591	6 254 168
R82	Luddenham Road, Orchard Hills	Residential	292 680	6 254 624
R83	Luddenham Road, Orchard Hills	Residential	292 593	6 255 034
R84	Luddenham Road, Orchard Hills	Residential	292 839	6 255 196
R85	Crystal Downs Close, Luddenham	Residential	292 759	6 253 448
R86	Pennard Crescent, Luddenham	Residential	292 954	6 253 379
R87	Woodhall Place, Luddenham	Residential	292 724	6 253 034
R88	Woodhall Place, Luddenham	Residential	292 863	6 252 713
R89	Twin Creeks Drive, Luddenham	Residential	292 659	6 252 635
R90	Bridport Place, Luddenham	Residential	292 280	6 252 110
R91	Ventana Court, Luddenham	Residential	292 429	6 252 905
R92	Humewood Place, Luddenham	Residential	292 491	6 252 373
R93	Portrush Crescent, Luddenham	Residential	292 400	6 253 741
R94	Portrush Crescent, Luddenham	Residential	292 274	6 253 495
R95	Portrush Crescent, Luddenham	Residential	291 948	6 253 458
R96	Libra Place, Erskine Park	Residential	296 865	6 256 693
R97	Cetus Place, Erskine Park	Residential	297 356	6 256 604
R98	Peppertree Reserve, Erskine Park	Recreational	296 877	6 257 207
R99	Erskine Park Netball Courts, Erskine Park	Recreational	295 776	6 257 108
R100	Corio Reserve, St Clair	Recreational	294 442	6 256 991
R101	Sennar Reserve, Erskine Park	Recreational	297 236	6 257 322
R102	Shakespeare Drive Reserve, St Clair	Recreational	295 084	6 257 465
R103	Saunders Park, St Clair	Recreational	294 759	6 257 903
R104	Peter Kearns Memorial Oval, St Clair	Recreational	293 924	6 258 257
R105	Mamre Road, Mount Vernon	Residential	296 153	6 250 570
R106	Mount Vernon Road, Mount Vernon	Residential	296 685	6 250 841
R107	Bowood Road, Mount Vernon	Residential	297 396	6 251 644
R108	Garfield Road, Horsley Park	Residential	298 815	6 252 786
R109	Burley Road, Horsley Park	Residential	299 109	6 254 543
R110	Barwar Close, Horsley Park	Residential	300 063	6 254 234
R111	The Appian Way, Mount Vernon	Residential	298 201	6 251 812
R112	Delaware Road, Horsley Park	Residential	299 488	6 253 414
R113	Lincoln Road, Horsley Park	Residential	299 367	6 251 984
R114	Selkirk Avenue, Cecil Park	Residential	298 873	6 250 971
R115	Mount Vernon Road, Mount Vernon	Residential	297 662	6 250 662
R116	Cressy Road, Mount Vernon	Residential	296 988	6 249 926
R117	Warana Road, Cecil Park	Residential	298 316	6 249 676
R118	Horsley Road, Horsley Park	Residential	300 539	6 253 008

Receptor ID	Location	Land use	Coordinates (UTM)	
			mE	mS
R119	Bowood Road, Mount Vernon	Recreational	297 512	6 252 333
R120	Arundel Road, Horsley Park	Recreational	300 652	6 253 420
R121	ETP Precast Facility, Lenore Drive	Industrial	298 001	6 256 671
R122	TransGrid Sydney West Substation	Substation	298 721	6 255 977
R123	Warehouse, Old Wallgrove Road	Industrial	299 347	6 256 015
R124	CDC Data Centre, Eastern Creek	Data Centre	299 797	6 255 817
R125	Warehouse, Telopea Place, Eastern Creek	Industrial	299 160	6 256 629
R126	Coca-Cola Europacific Partners Eastern Ck	Industrial	300 634	6 255 800
R127	Digital Realty Data Centre SYD11	Data Centre	295 946	6 255 888
R128	Digital Realty Data Centre SYD 14	Data Centre	296 226	6 255 717

Note: The requirements of this AQIA may vary from the specific requirements of other studies, and as such the selection and naming of receptor locations, may vary between technical reports. This does not affect or reduce the validity of those assumptions.

APPENDIX C

Meteorology

Meteorological Stations

A meteorological modelling exercise has been performed to characterise the meteorology of the Proposal site in the absence of site-specific measurements. The meteorological monitoring has been based on measurements acquired from surrounding automatic weather stations (AWS) operated by the Australian Government Bureau of Meteorology (BoM).

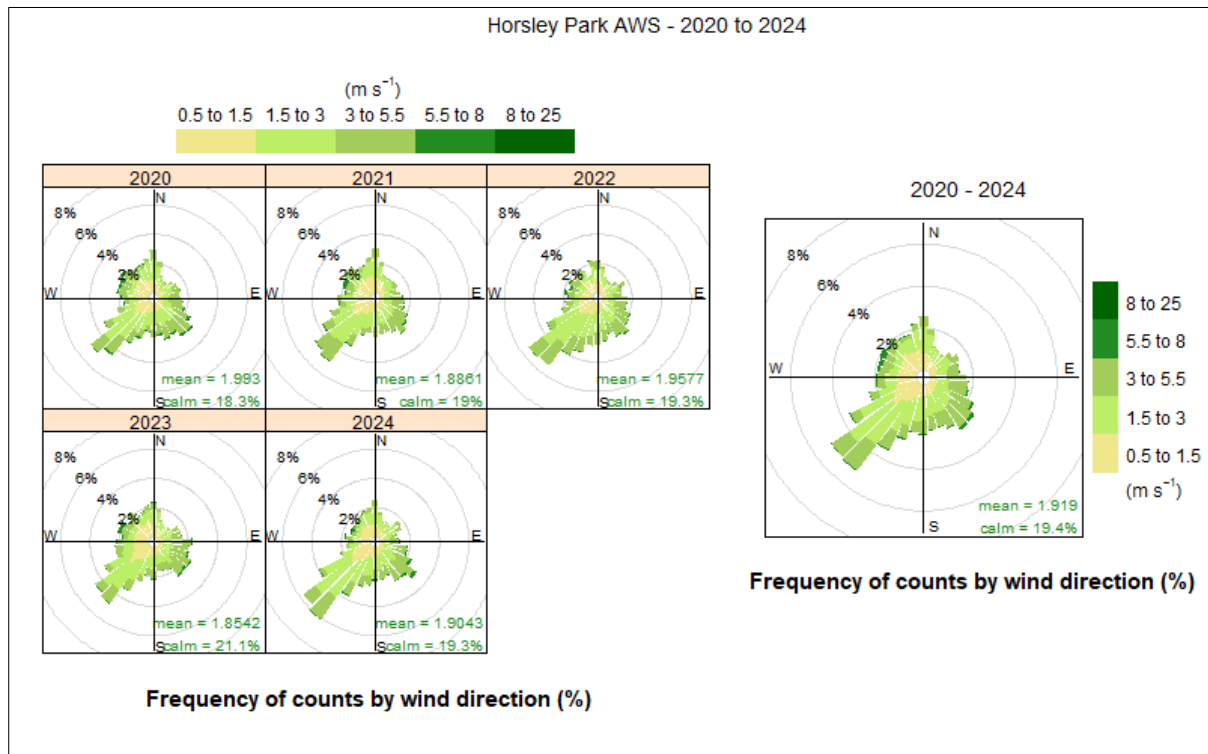
Meteorological conditions at Horsley Park AWS, located approximately 6.4 km to the west-northwest of the Proposal site, have been examined to determine a 'typical' or representative dataset for use in dispersion modelling. Annual wind roses for the most recent years of data (2020 to 2024) are presented in Figure C1. The annual wind speed frequency distribution for the five-year period is presented in Figure C2.

The wind roses presented in Figure C1 indicate that from 2020 to 2024, winds at Horsley Park AWS show similar wind distribution patterns across the years assessed, with a predominant south westerly wind direction.

The majority of wind speeds experienced at Horsley Park AWS between 2020 and 2024 are generally in the range 0.5 meters per second ($\text{m}\cdot\text{s}^{-1}$) to $5.5 \text{ m}\cdot\text{s}^{-1}$ with the highest wind speeds (greater than $5.5 \text{ m}\cdot\text{s}^{-1}$) occurring from primarily north-westerly directions. Winds of this speed are rare and occur during 2.2 % of the observed hours during the years. Calm winds (less than $0.5 \text{ m}\cdot\text{s}^{-1}$) are more common and occur during 19.4 % of hours on average across the years between 2020 and 2024.

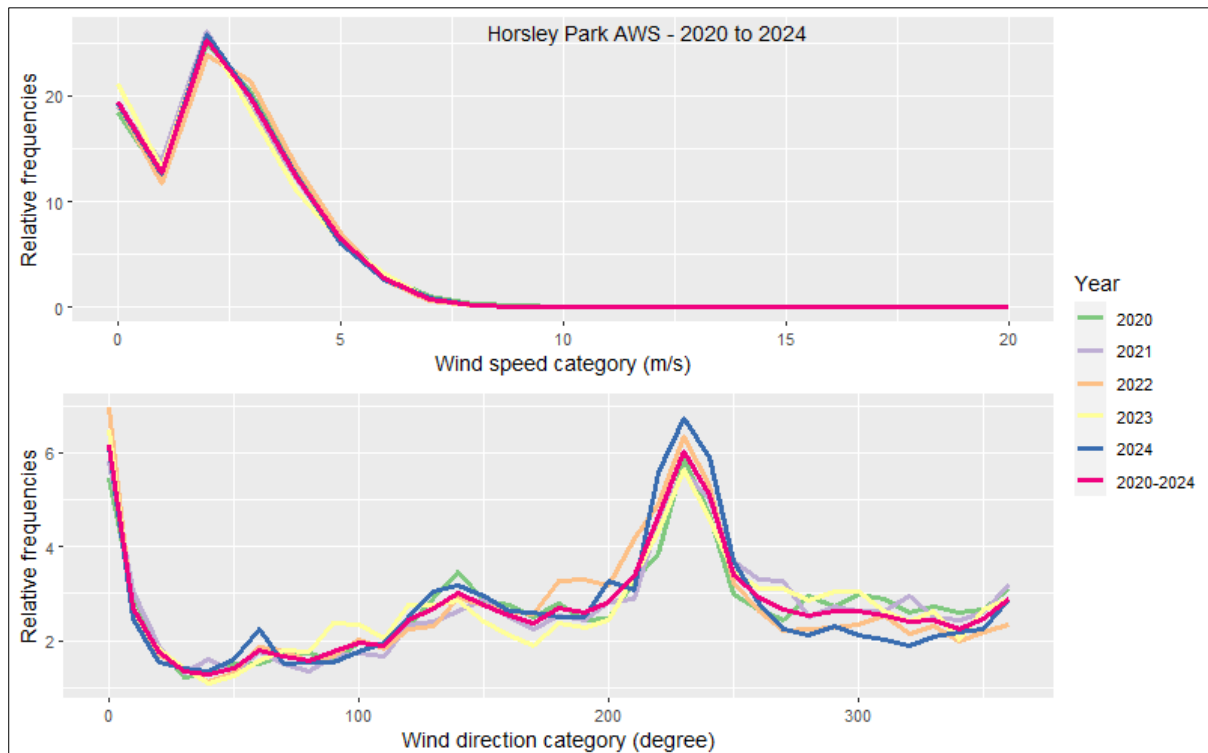
The correlation coefficients between each year and the five-year period for the distribution of wind direction and wind speed, as well as NO_2 concentrations recorded at St Marys AQMS (refer Appendix D), are summarised in Table C1. The correlation coefficients were ranked and aggregated to select the representative year for the meteorological modelling. The rankings are also presented in Table C1.

Figure C1 Annual wind roses – Horsley Park AWS (2020 to 2024)



Source: Northstar

Figure C2 Annual wind speed and direction distributions – Horsley Park AWS (2020 to 2024)



Source: Northstar

Table C1 Correlation coefficient analysis – Horsley Park AWS and St Marys AQMS (2020 – 2024)

Parameter	Wind speed		Wind direction		Nitrogen dioxide (NO ₂)		Aggregated rank
	Corr.	Rank	Corr.	Rank	Corr.	Rank	
2020	0.9932	2	0.9680	4	0.9806	4	4
2021	0.9989	3	0.9744	1	0.9903	2	1
2022	0.9974	5	0.9730	2	0.9984	1	3
2023	0.9975	4	0.9640	5	0.9596	5	5
2024	0.9998	1	0.9708	3	0.9829	3	2
2020 - 2024	1	-	1	-	1	-	-

Note: Corr. = correlation

Wind speed observations for each year correlated well against the wind speed over the five-year period, with each year having a correlation coefficient greater than 0.99. The year 2024 is the highest ranked for correlation against the wind speed over the five-year period.

Wind direction observations for each year are reasonably well correlated against the wind direction over the five-year period, with each year having a correlation coefficient greater than of 0.96. The year 2021 is the highest ranked for correlation against the wind direction over the five-year period.

NO₂ concentrations measured for each year are also well correlated against concentrations over the five-year period. The year 2023 is the highest ranked year for NO₂.

Based on the aggregated rankings, the 2021 observations of wind characteristics (direction and speed) and NO₂ most closely mirror the overall five-year (2020 – 2024) period. Consequently, the 2021 meteorological dataset is deemed suitably representative for the purposes of meteorological and dispersion modelling and is therefore adopted for the purposes of this AQIA.

Meteorological Processing

The BoM data adequately covers the issues of data quality assurance; however, it is limited by its location compared to the Proposal site. To address these uncertainties, a multi-phased assessment of the meteorology data has been performed.

In absence of any measured onsite meteorological data, site representative meteorological data for this Proposal was generated using the CALMET meteorological processor in a format suitable for using in the CALPUFF dispersion model.

CALMET is a meteorological data processor that generates three-dimensional wind and temperature fields across a gridded modelling domain. It serves as the meteorological pre-processor for the CALPUFF modelling system. Associated two-dimensional fields such as mixing height, surface characteristics, and dispersion properties are also included in the file produced by CALMET. The interpolated wind field is then modified within the model to account for the influences of topography, as well as differential heating and surface roughness associated with different land uses across the modelling domain. These modifications are applied

to the winds at each grid point to develop a final wind field and thus the final wind field reflects the influences of local topography and current land uses.

For this AQIA the approach adopted for CALMET modelling was guided by the NSW OEH document '*Generic Guidance and Optimum Model Settings for the CALPUFF Modelling System for Inclusion into the Approved Methods for the Modelling and Assessment of Air Pollutants in NSW, Australia*' (Barclay & Scire, 2011). Specifically, the methodology adopted within this assessment corresponds to the 'CALMET Hybrid Mode' approach identified within Barclay & Scire (2011) and is considered an advanced meteorological simulation approach suitable for complex meteorological environments.

Surface wind speed and wind direction observations from the Horsley Park Equestrian Centre AWS (Horsley Park AWS, BoM Station ID 067119) and the St Marys AQMS were incorporated within the CALMET modelling framework to refine the prognostic meteorological fields generated by TAPM.

The TAPM model is cited in (Barclay & Scire, 2011) as a suitable prognostic meteorological model for applications involving complex meteorological conditions. TAPM is a prognostic model which predicts wind speed and direction, temperature, pressure, water vapour, cloud, rainwater, and turbulence. The program allows the user to generate synthetic observations by referencing databases (covering terrain, vegetation and soil type, sea surface temperature and synoptic scale meteorological analyses) which are subsequently used in the model input to generate site-specific hourly meteorological observations at user-defined levels within the atmosphere.

The parameters adopted in TAPM and CALMET modelling are presented in Table C2. Further, as per (Barclay & Scire, 2011), the seven critical parameters used in the CALMET modelling are presented in Table C3.

Table C2 CALMET and TAPM meteorological parameters

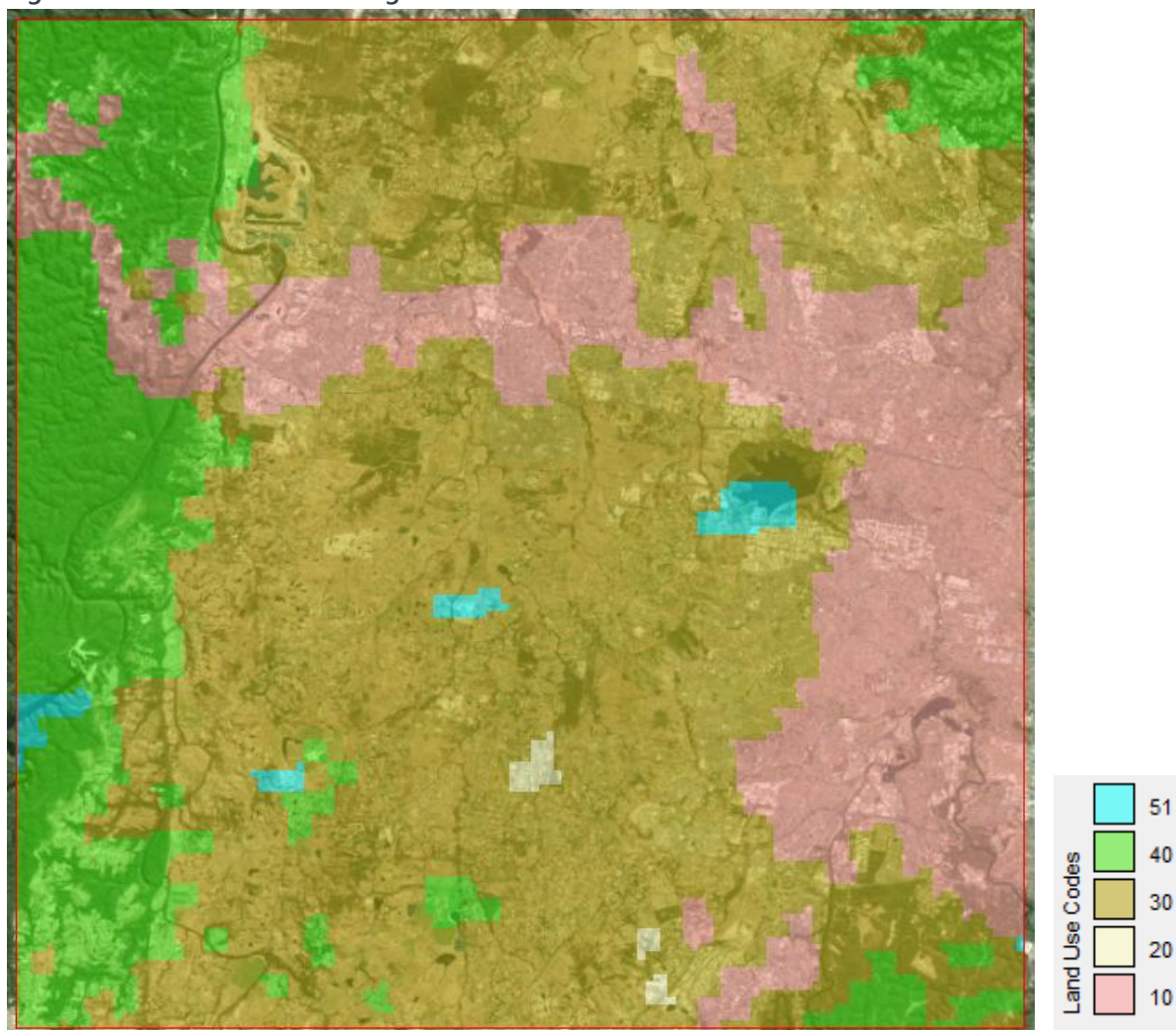
TAPM v 4.0.5	
Modelling period	1 January 2021 to 31 December 2021
Centre of analysis	294 877 mE, 6 254 114 mS (UTM)
Number of grid points	50 x 50 x 30
Number of grids (spacing)	5 (30 km, 10 km, 3 km, 1 km, 300 m)
Vertical resolution	30 (10 m, 25 m, 50 m, 75 m, 100 m, 150 m, 200 m, 250 m, 300 m, 350 m, 400 m, 450 m, 500 m, 600 m, 750 m, 1 000 m, 1 250 m, 1 500 m, 1 750 m, 2 000 m, 2 250 m, 2 500 m, 3 000 m, 3 500 m, 4 000 m, 4 500 m, 5 000 m, 6 000 m, 7 000 m, 8 000 m)
Terrain	AUSLIG 9 second DEM
Data assimilation	Horsley Park AWS (BoM Station ID 067119) & St Marys AQMS
CALMET	
Modelling period	1 January 2021 to 31 December 2021
Southwest corner of analysis	274 877mE, 6 234 114mS (UTM Coordinates)

TAPM v 4.0.5	
Meteorological grid domain (resolution)	39.9 km x 39.9 km (0.3 km)
Vertical resolution (cell heights)	10 (0 m, 20 m, 40 m, 80 m, 160 m, 320 m, 640 m, 1 200 m, 2 000 m, 3 000 m, 4 000 m)
Data assimilation	Horsley Park AWS (BoM Station ID 067119) & St Marys AQMS

Table C4 Critical meteorological parameters used in CALMET

Parameter	Value
TERRAD	7.5
IEXTRP	1
BIAS (NZ)	- 1.0, - 0.5, - 0.25, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0, 0.0
R1 and R2	5, 5 and 5.0
RMAX1 and RMAX2	7.0, 5.0
ISLOPE	1

Figure C3 Land use in modelling domain



Meteorological Model Performance Evaluation

To provide an independent evaluation of model performance, the CALMET meteorological outputs were additionally compared against observations collected at the Badgerys Creek AWS (BoM Station ID 060801) for the 2021 modelling year. The Badgerys Creek AWS was not incorporated within the TAPM data assimilation or CALMET surface observation inputs and therefore provides an independent dataset for validation of the generated meteorological fields.

Meteorological model performance was evaluated through comparison of CALMET hourly outputs against observed meteorological data collected at the Badgerys Creek AWS for the 2021 modelling year. The evaluation focused on the three parameters most relevant to atmospheric dispersion modelling

- Wind speed;
- Wind direction; and
- Near-surface temperature.

CALMET outputs were extracted from the time series (TSERIES) output file for the grid cell corresponding to the AWS location, including Layer 1 wind fields and 2 m temperature predictions. Modelled and observed data were paired on an hour-by-hour basis for statistical evaluation. Wind direction statistics were evaluated on two separate bases:

- Excluding calm conditions where both observed and modelled wind speeds exceeded $0.5 \text{ m}\cdot\text{s}^{-1}$; and
- Including all paired hours.

The $0.5 \text{ m}\cdot\text{s}^{-1}$ calm threshold corresponds to the upper bound of the recommended starting threshold for anemometers used in regulatory dispersion modelling, as described in Table 5-2 of the US EPA Meteorological *'Monitoring Guidance for Regulatory Modelling Applications'* (US EPA, 2000) and is consistent with the wind speed threshold adopted within AERMET (US EPA, 2013).

Wind direction differences were calculated using circular arithmetic to appropriately account for the $0^\circ / 360^\circ$ directional boundary. Model performance was assessed using the following statistical metrics:

- Mean Bias (MB);
- Mean Absolute Error (MAE);
- Root Mean Square Error (RMSE);
- Willmott's Index of Agreement (IOA); and
- Pearson correlation coefficient (r).

Performance statistics were assessed against the benchmarks proposed by (Emery & Tai, 2001) which are widely adopted in US regulatory air quality impact assessments and consistent with US EPA guidance:

- Wind speed: $\text{MB} \leq \pm 0.5 \text{ m}\cdot\text{s}^{-1}$ and $\text{IOA} \geq 0.60$;

- Wind direction: MB $\leq \pm 10^\circ$ and IOA ≥ 0.60 ; and
- Temperature: MB $\leq \pm 0.5^\circ\text{C}$ and IOA ≥ 0.80 .

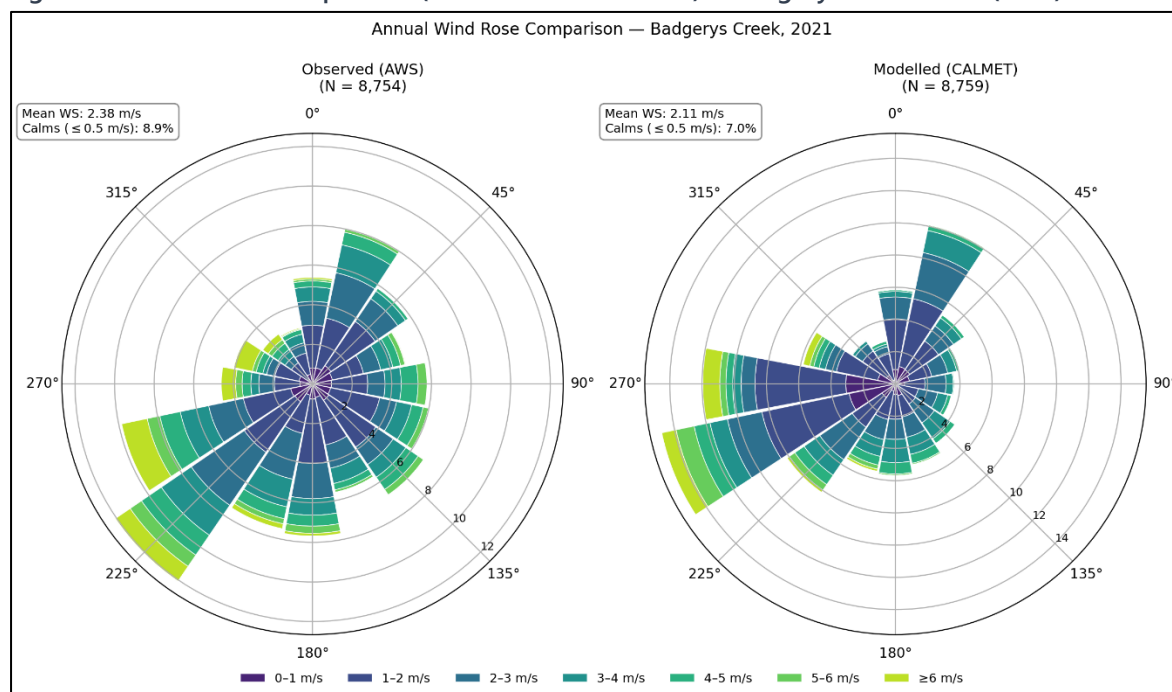
Table C5 Meteorological model performance statistics – Badgerys Creek AWS (2021)

Variable	Basis	N	MB	MAE	RMSE	IOA	Result
Wind speed ($\text{m}\cdot\text{s}^{-1}$)	-	8 754	- 0.27	0.97	1.32	0.823	Pass
Wind direction ($^\circ$)	calms excl.	7 584	+ 2.4	41.05	58.08	0.908	Pass
Wind direction ($^\circ$)	calms incl.	8 754	+ 2.98	44.74	62.19	0.898	Pass
Temperature ($^\circ\text{C}$)	-	8 754	+ 0.25	0.73	1.03	0.993	Pass

It is demonstrated that the CALMET performance benchmarks for wind speed, wind direction and temperature during the 2021 assessment period were met in accordance with (Emery & Tai, 2001) at the Badgerys Creek AWS. The meteorological dataset has therefore considered suitable for use within the subsequent CALPUFF dispersion modelling assessment.

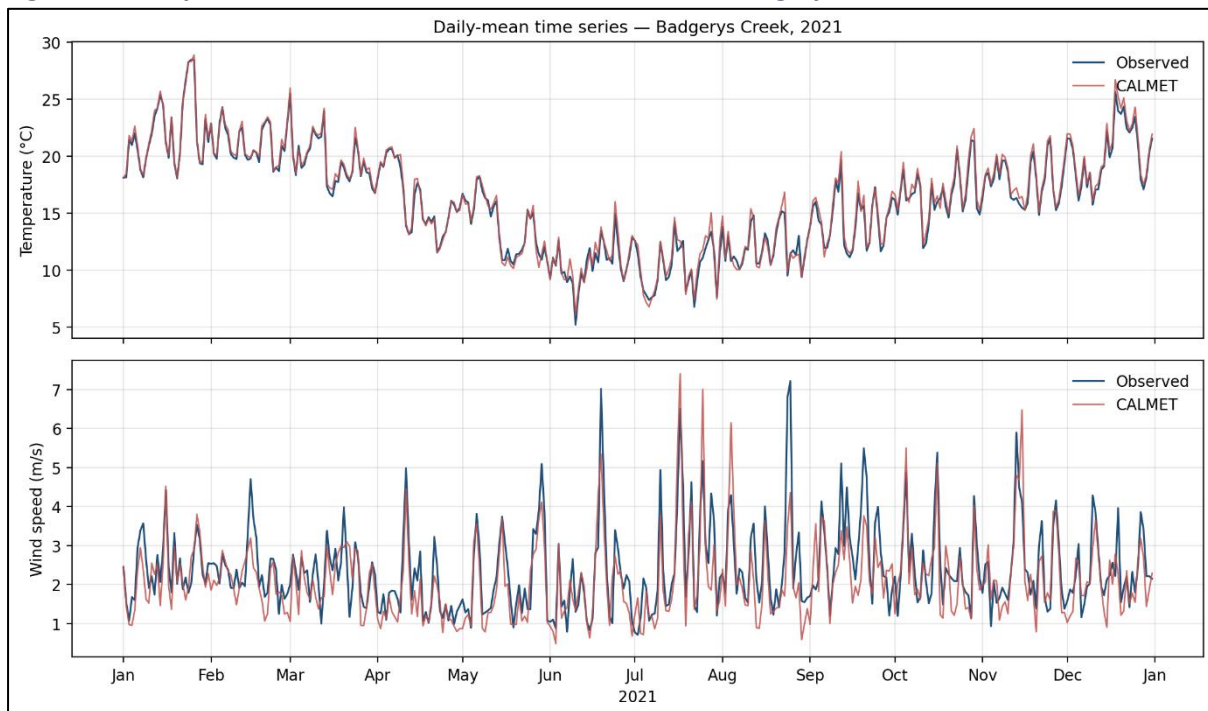
Figure C4 presents the annual wind rose comparison (observed versus modelled) for the Badgerys Creek AWS during 2021. Additional figures are also provided to illustrate meteorological model performance, including daily mean time series comparisons (refer Figure C5), observed versus modelled scatter plot (refer Figure C6), monthly mean bias comparison (refer Figure C7) and diurnal mean profile comparisons (refer Figure C8).

Figure C4 Wind rose comparison (observed vs modelled) – Badgerys Creek AWS (2021)



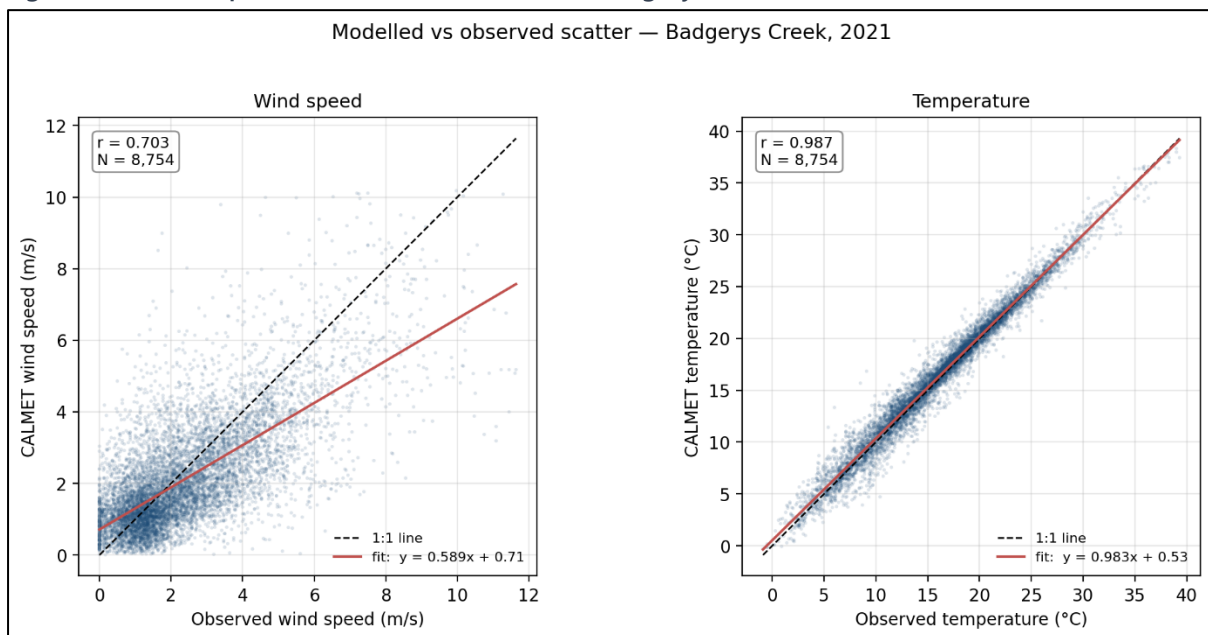
Source: Northstar

Figure C5 Daily mean time series (observed vs modelled) – Badgerys Creek AWS (2021)



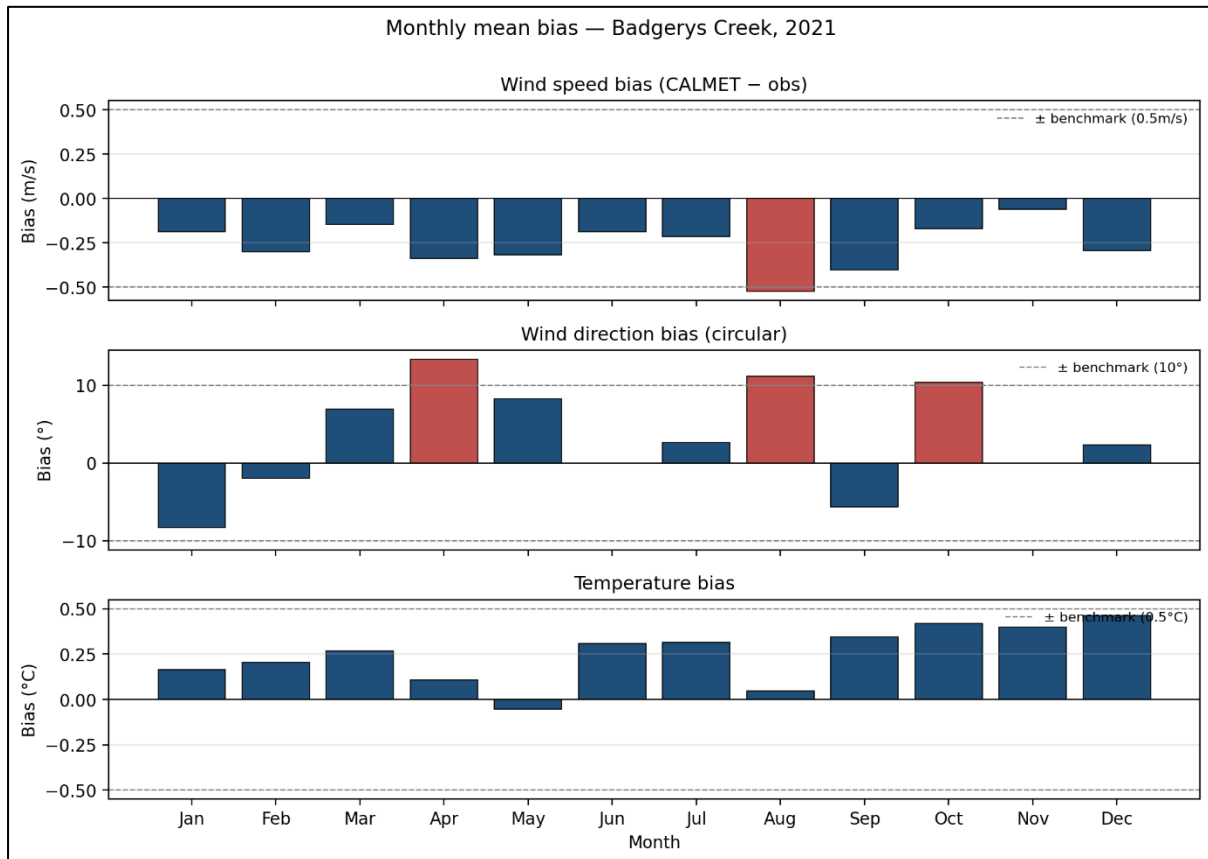
Source: Northstar

Figure C6 Scatter plot (observed vs modelled) – Badgerys Creek AWS (2021)



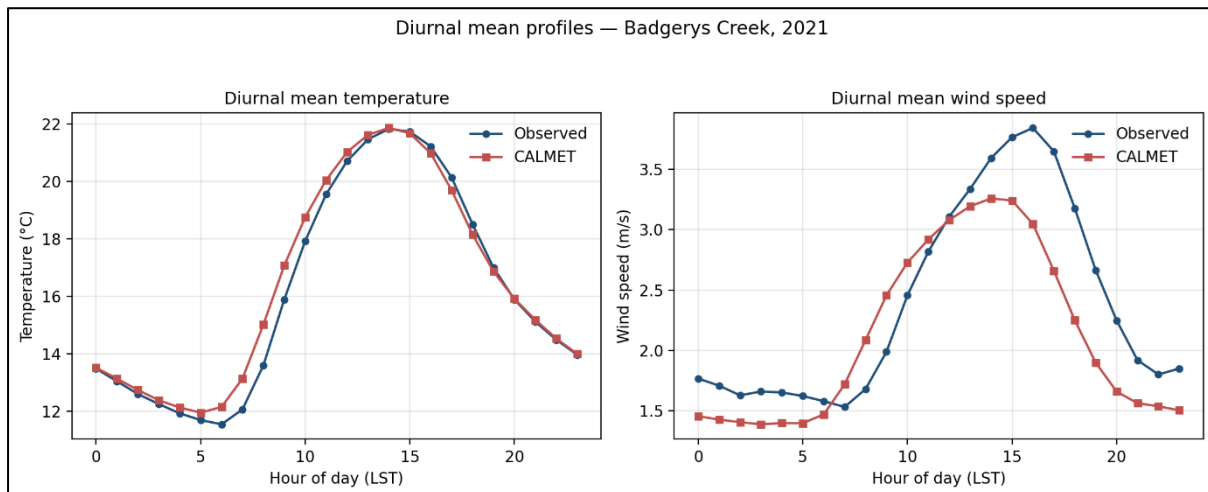
Source: Northstar

Figure C7 Monthly mean bias (observed vs modelled) – Badgerys Creek AWS (2021)



Source: Northstar

Figure C8 Diurnal mean profiles (observed vs modelled) – Badgerys Creek AWS (2021)



Source: Northstar

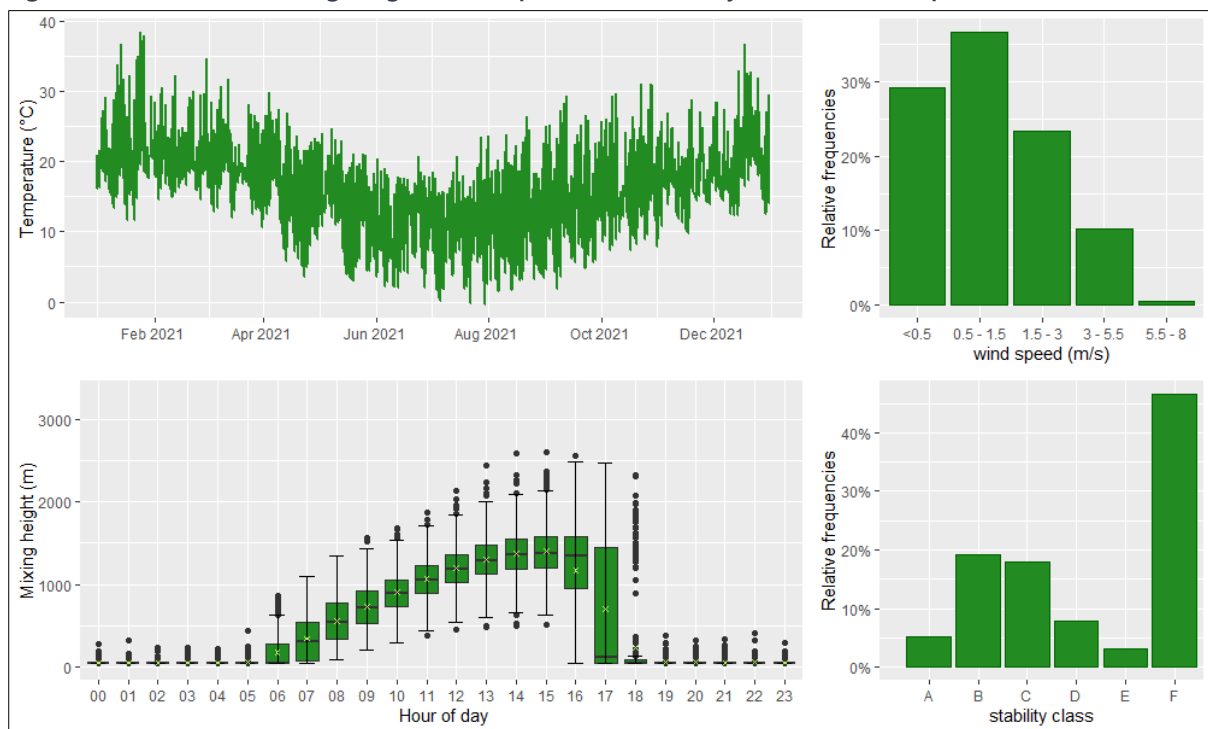
Derived Meteorological Information at the Proposal Site

NSW EPA require a summary of the modelled meteorological dataset. Details of the predictions of wind speed and direction, mixing height and temperature at the Proposal site are provided below.

Diurnal variations in maximum and average mixing heights predicted by CALMET at the Proposal site during 2021 period are illustrated in Figure C8.

As expected, an increase in mixing height during the morning is apparent, arising due to the onset of vertical mixing following sunrise. Maximum mixing heights occur in the mid to late afternoon, due to the dissipation of ground-based temperature inversions and growth of the convective mixing layer.

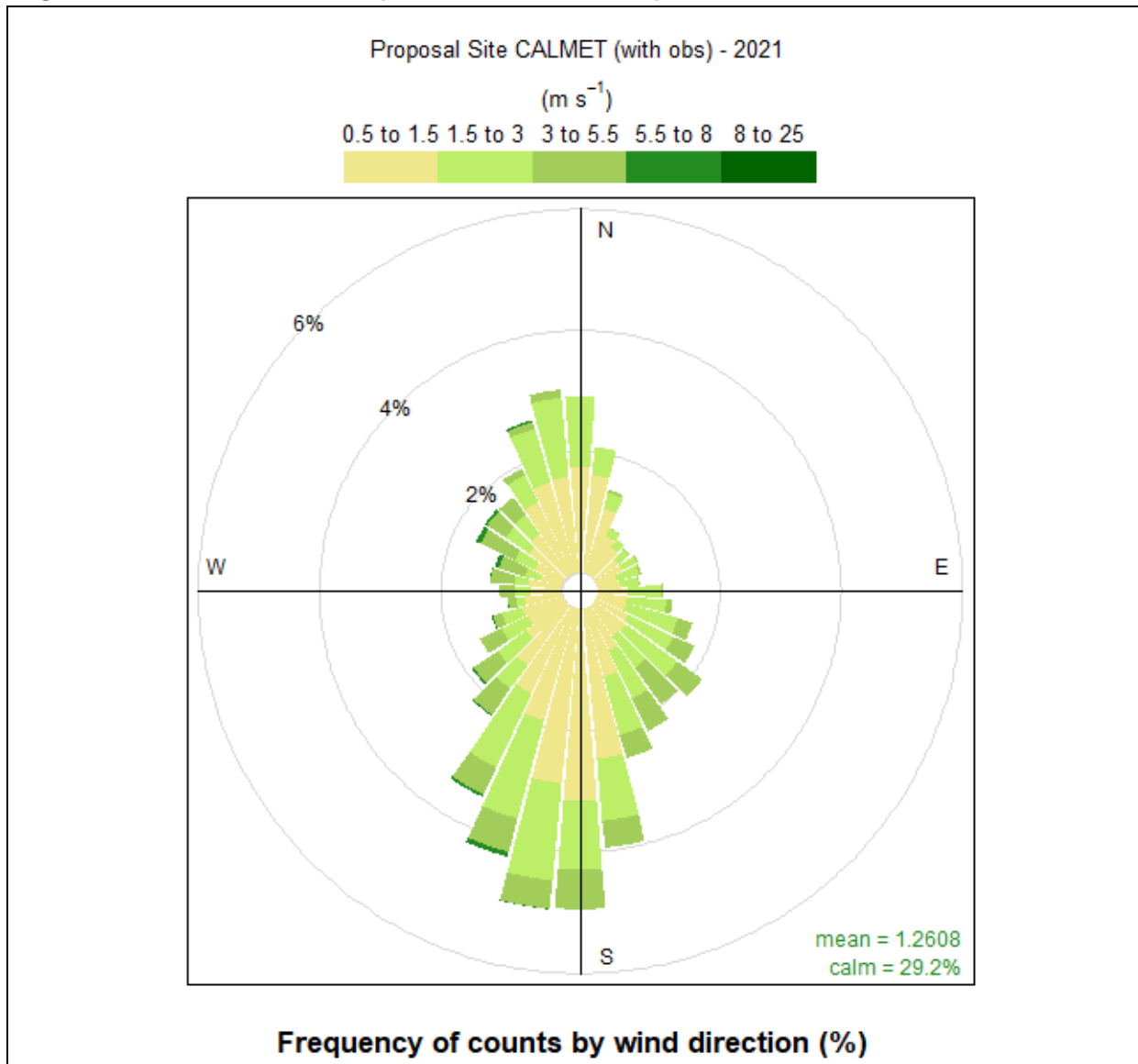
Figure C9 Predicted mixing height, wind speed, and stability class at the Proposal site (2021)



Source: Northstar

The modelled wind speed and direction at the Proposal site during 2021 are presented in Figure C10.

Figure C10 Predicted wind speed and direction – Proposal site (2021)



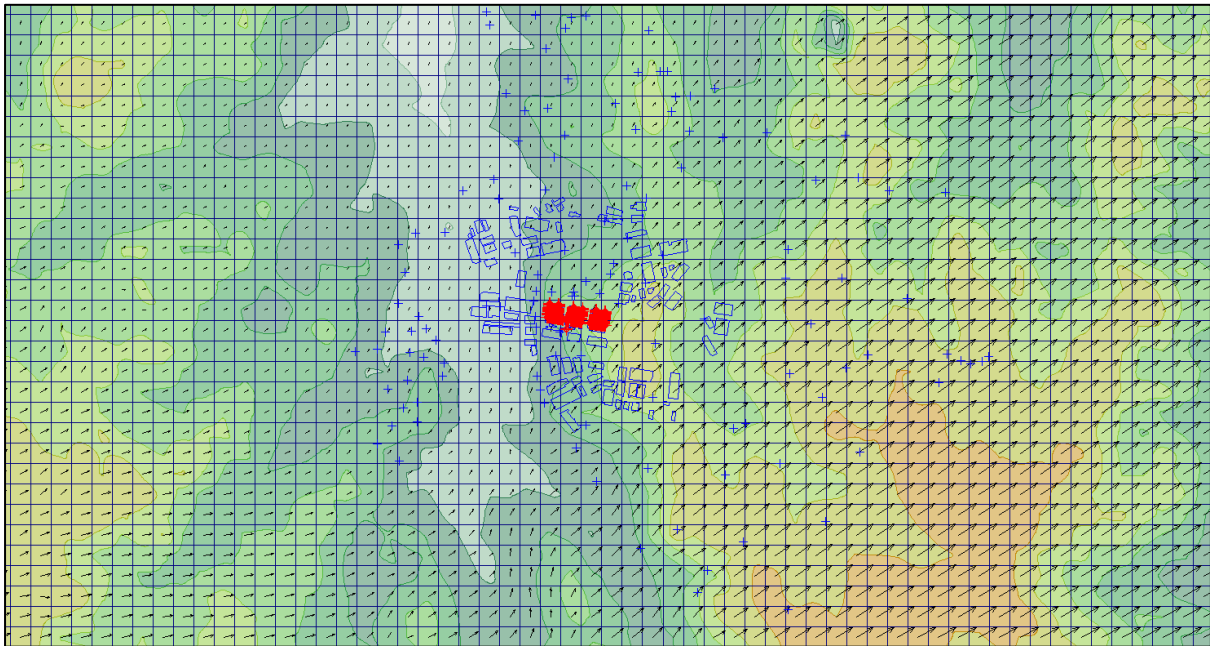
Source: Northstar

As requested by the NSW EPA, graphical representations of the CALMET-derived surface wind field across a representative range of meteorological conditions at the site are provided. Six hours have been selected objectively from the modelled meteorological year to span the full diurnal cycle and stability range, from the worst-case stable nocturnal regime (Pasquill-Gifford class F, mixing height at its minimum) through the morning inversion break-up, the daytime convective maximum, the afternoon sea-breeze incursion, the evening boundary-layer collapse, and a moderate-to-fresh channelled flow event. Each is shown as a plan-view wind-vector plot overlaid on terrain.

The conditions specifically raised in the EPA comment are addressed directly, the figures demonstrate the model's representation of nocturnal surface inversions and the associated light, terrain-aligned katabatic drainage, which at this location follows the South Creek valley axis. Collectively, the figures confirm that CALMET resolves the expected local terrain and coast-forced flows consistent with a low-relief inland Cumberland Plain site and reproduce the abundant stable, light-wind conditions that govern the worst-case ground-level concentrations assessed in this study.

Figure C11 - Worst-case stable nocturnal regime, 7 July 2021, 06:00 LST. Pasquill-Gifford class F stability with the mixing height at its 50 m minimum and a light $0.6 \text{ m}\cdot\text{s}^{-1}$ surface wind from the south (187°), the field shows coherent, terrain-aligned katabatic drainage down the South Creek valley, capped by the surface inversion.

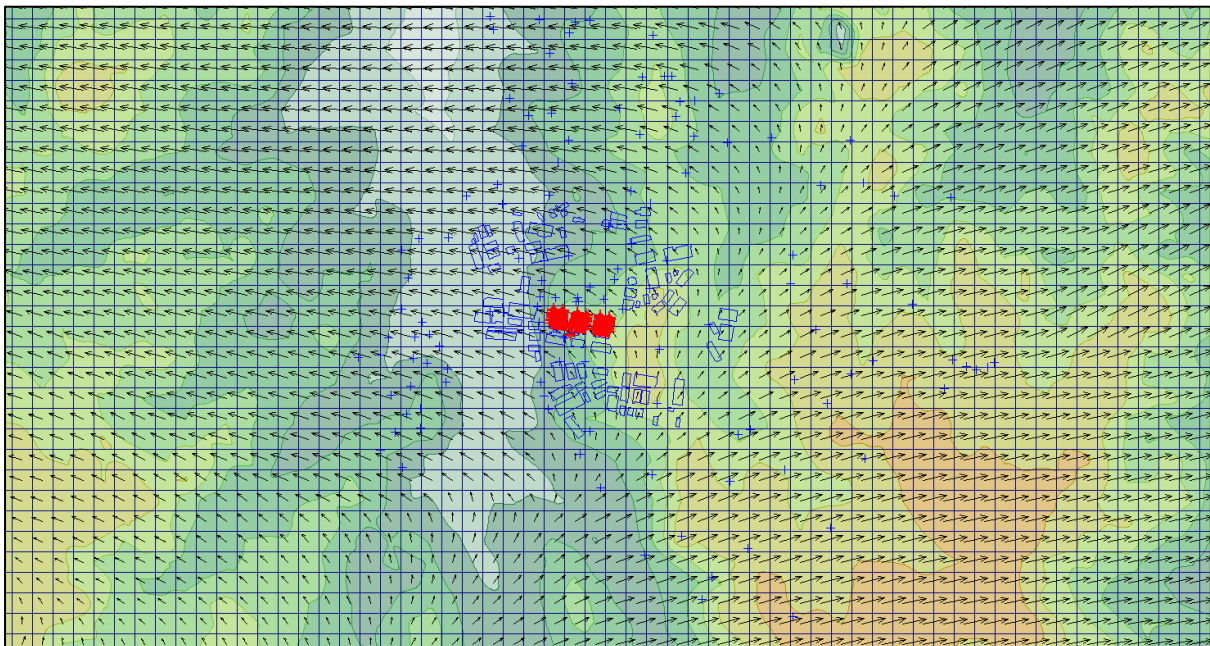
Figure C11 Worst-case stable nocturnal regime, 7 July 2021 0600



Note: Emissions sources shown in red

Figure C12 - Morning inversion break-up, 24 August 2021, 08:00 LST. During the morning transition, with stability relaxed to class D and the mixing height lifting off the overnight floor to ~710 m. Figure C11 illustrates the model's representation of the fumigation window, during which an elevated plume can be mixed to ground as the nocturnal inversion erodes.

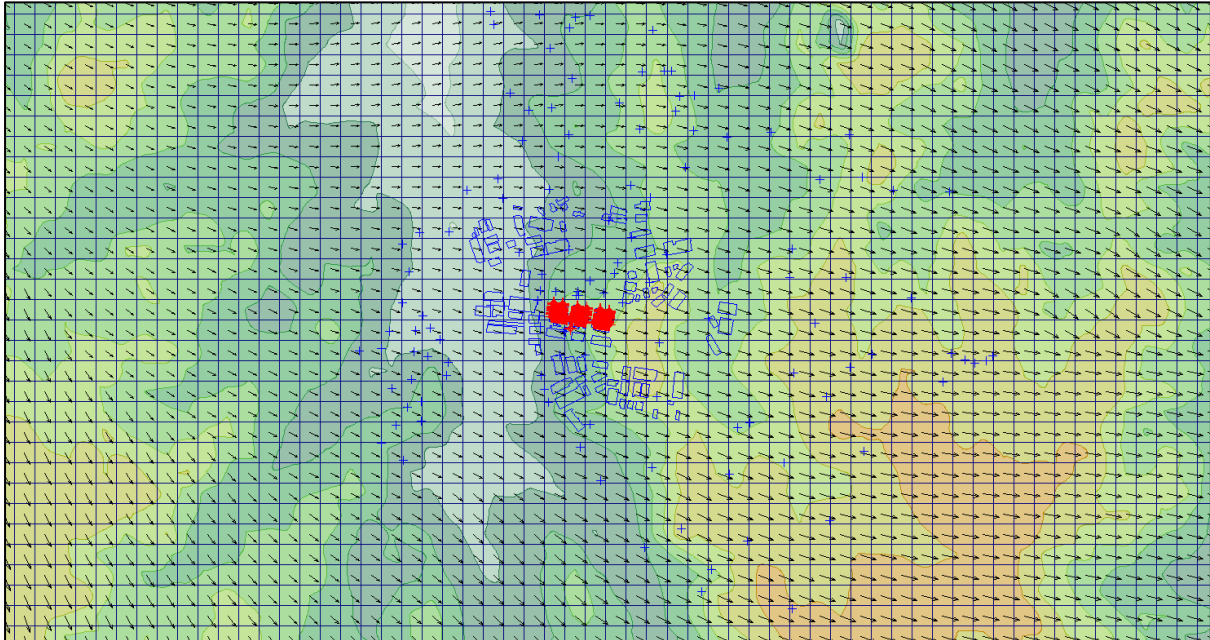
Figure C12 Morning inversion breakup, 24 August 2021 0800



Note: Emissions sources shown in red

Figure C13 - Daytime convective maximum, 26 January 2021, 15:00 LST. A summer afternoon (ambient temperature $\sim 37^{\circ}\text{C}$), with a deep, well-mixed convective boundary layer (mixing height $\sim 2,335$ m, class B). This figure represents the upper bound of the modelled mixing-height range and confirms physically sensible flow under strongly convective conditions.

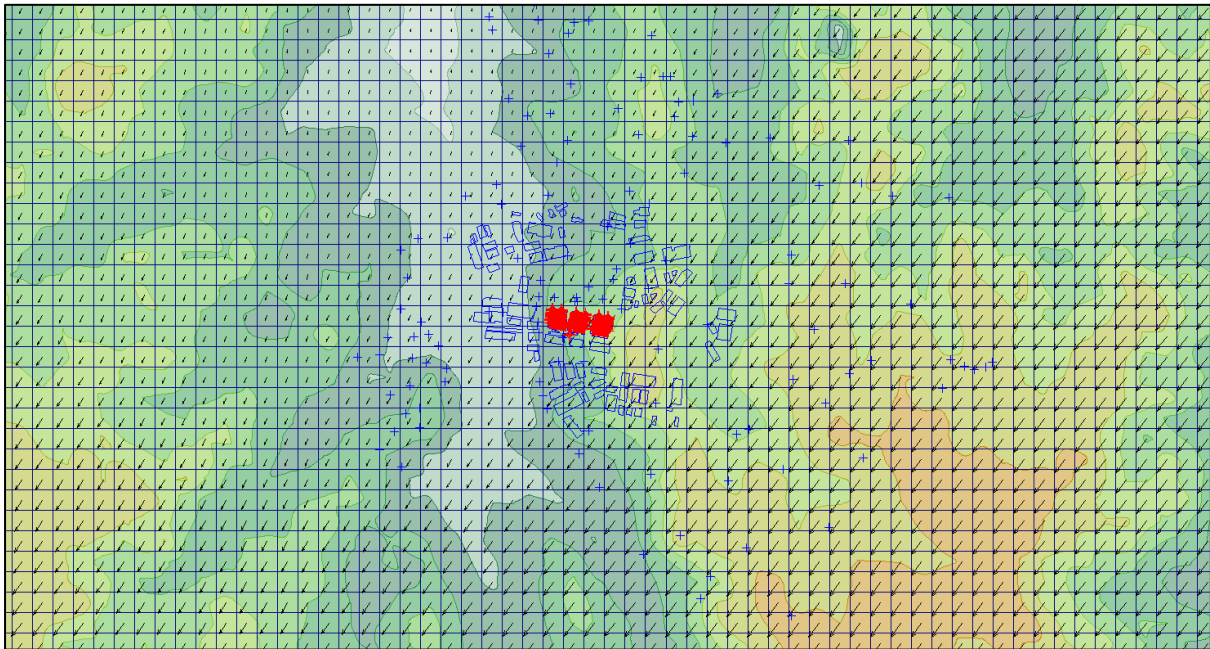
Figure C13 Daytime convective maximum, 26 January 2021 1500



Note: Emissions sources shown in red

Figure C14 - Afternoon sea-breeze incursion, 6 December 2021, 16:00 LST. Showing the surface flow backed to onshore north-east (31°) as the sea breeze penetrates inland to the site. The figure demonstrates that CALMET reproduces the delayed sea-breeze influence characteristic of western Sydney, in contrast to the prevailing drainage flow seen under nocturnal conditions.

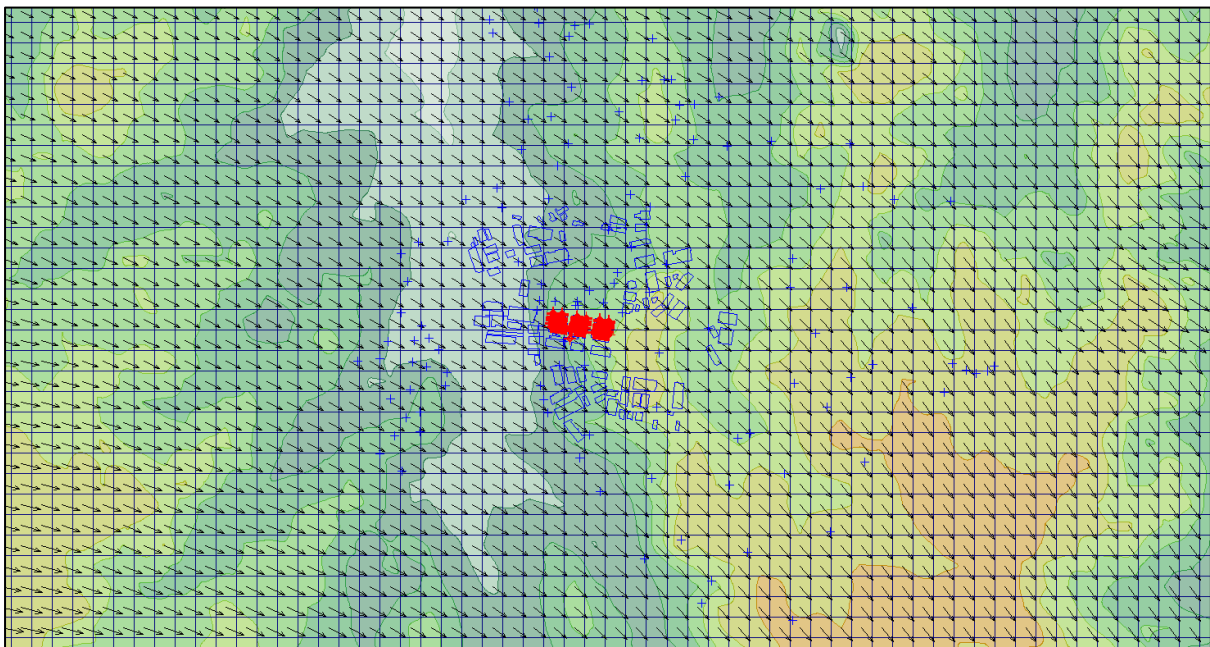
Figure C14 Afternoon sea breeze, 6 December 2021 1600



Note: Emissions sources shown in red

Figure C15 - Evening boundary-layer collapse, 15 October 2021, 18:00 LST. During the post-sunset transition, as the mixing height collapses to ~77 m and stable class F conditions re-establish. The figure illustrates the onset of the nocturnal stable regime and completes the modelled diurnal cycle.

Figure C15 Evening boundary layer collapse, 15 October 2021 1800

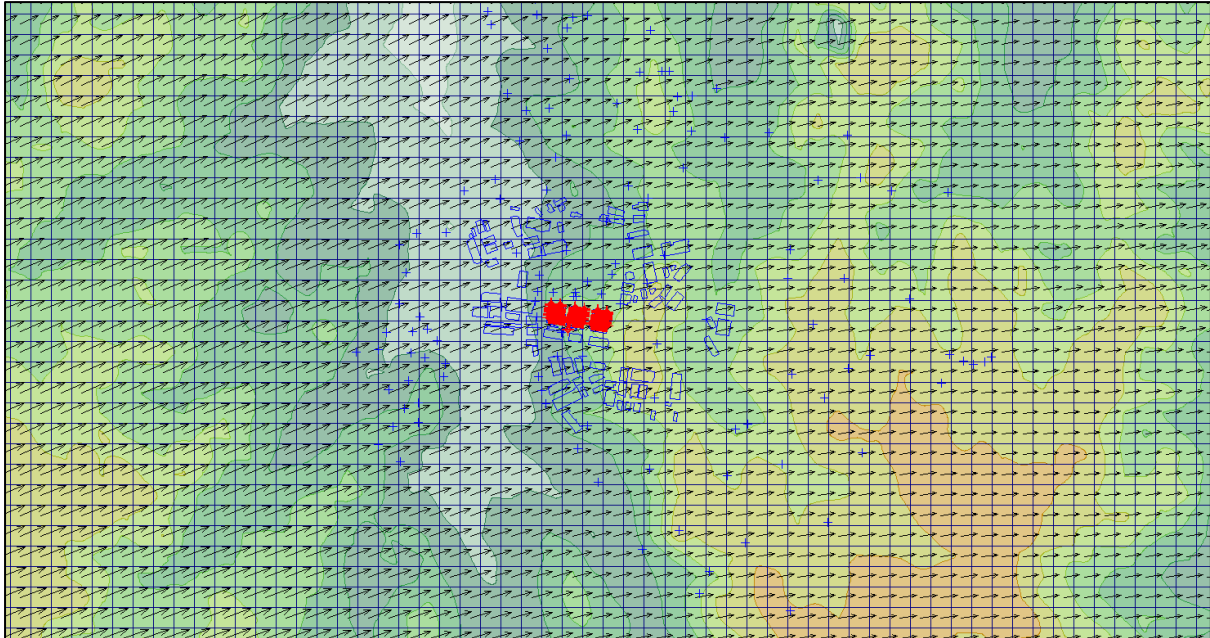


Note: Emissions sources shown in red

Figure C16 - Channelled synoptic flow, 5 October 2021, 14:00 LST. The windiest modelled conditions (moderate-to-fresh west-south-west flow, $7.0 \text{ m}\cdot\text{s}^{-1}$, 252° , near-neutral class D). The figure shows terrain-

influenced channelling of the regional flow across the Cumberland Plain, representing the well-mixed, higher-wind end of the meteorological range.

Figure C16 Channelled synoptic flow, 5 October 2021 1400



Note: Emissions sources shown in red

APPENDIX D

Background Air Quality

Air quality is not monitored at the Proposal site and therefore air quality monitoring data measured at a representative location has been adopted for the purposes of this AQIA. Determination of data to be used as a location representative of the Proposal site and during a representative year can be complicated by factors which include:

- The sources of air pollutant emissions around the Proposal site and representative AQMS; and
- The variability of particulate matter concentrations (often impacted by natural climate variability).

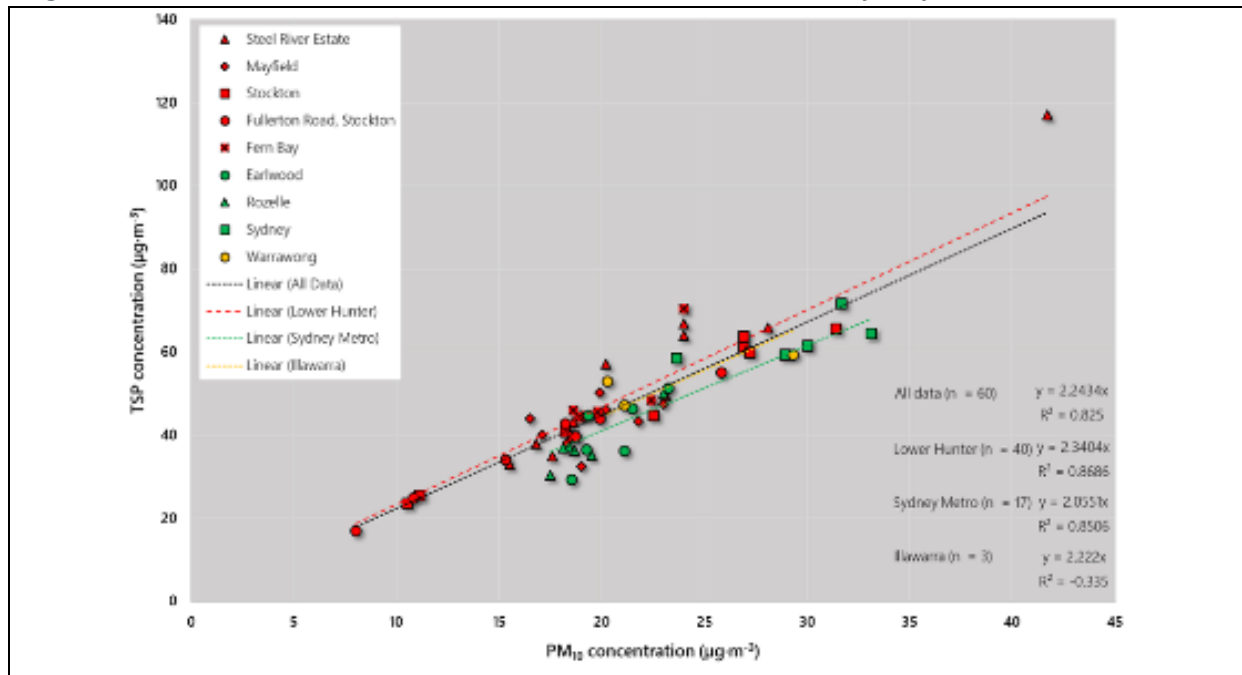
Background air quality monitoring data used within this AQIA has been adopted from St Marys Air Quality Monitoring Station (AQMS), managed by NSW DCCEE and located approximately 4.1 km to the northwest of the Proposal site. Specifically, air quality monitoring data for the year 2021 (consistent with meteorological modelling [refer Appendix C]) has been adopted for use in this AQIA. Summary statistics for the selected data are presented in Table D1.

It is noted that St Marys AQMS does not measure concentrations of carbon monoxide (CO) and sulphur dioxide (SO₂), which are pollutants required as part of this assessment. Correspondingly, for the purposes of this AQIA, CO and SO₂ concentration data has been adopted from Prospect AQMS.

TSP concentrations are not measured at any AQMS surrounding the Proposal site. Figure D1 presents an analysis of co-located TSP and PM₁₀ measurements from the Lower Hunter (1999 to 2011), Illawarra (2002 to 2004), and Sydney Metropolitan (1999 to 2004) regions. Based on measurements collected across these regions, the analysis supports deriving a general TSP:PM₁₀ ratio of 2.0551 : 1 (i.e., PM₁₀ accounts for approximately 49 % of TSP) using Sydney Metropolitan data. In the absence of more specific information, this ratio has been applied in this AQIA, resulting in a background annual average TSP concentration of 27.1 µg·m⁻³.

Graphs presenting the daily varying PM₁₀ and PM_{2.5} data, and hourly varying NO₂ data, recorded at St Marys AQMS in 2021 are presented in Figure D2, Figure D3 and Figure D4 respectively.

Figure D1 Co-located TSP and PM₁₀ measurements – Lower Hunter, Sydney Metro and Illawarra



Source: Northstar

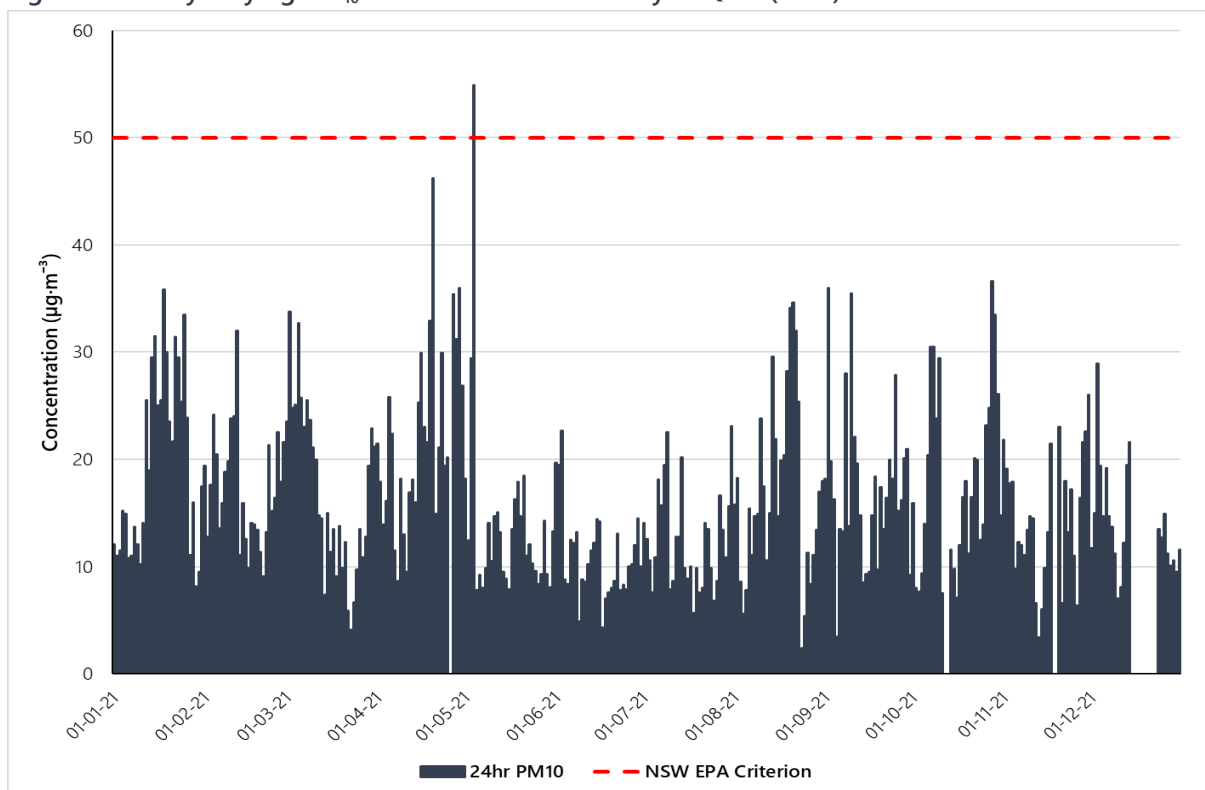
Table D1 Background air quality statistics – Prospect AQMS and St. Marys AQMS (2021)

AQMS	-	St Marys AQMS				Prospect AQMS				
Pollutant	TSP	PM ₁₀	PM _{2.5}	NO ₂	O ₃	SO ₂	SO ₂	CO	CO	CO
Averaging period	Annual	24 hour	24 hour	1 hour	1 hour	24 hour	1 hour	15 minute	1 hour	8 hour (rolling)
Units	µg·m ⁻³	µg·m ⁻³	µg·m ⁻³	µg·m ⁻³	mg·m ⁻³	µg·m ⁻³	µg·m ⁻³	mg·m ⁻³	mg·m ⁻³	mg·m ⁻³
Statistics										
Data Points (nb)	351	351	349	8055	7894	354	8193	8190	8190	8549
Mean	33.4	16.2	5.8	8.1	32.7	1.4	1.5	0.1	0.1	0.1
Standard deviation	-	7.7	3.7	8.0	25.7	1.9	2.8	0.2	0.2	0.1
Skew ¹	-	1.1	3.4	1.5	0.6	1.3	4.6	2.8	2.8	2.4
Kurtosis ²	-	1.9	23.7	3.1	-0.1	1.2	36.9	11.5	11.5	7.9
Minimum	-	2.4	-0.2	-4.1	-2.1	0.0	-2.9	-0.2	-0.1	-0.1
Percentiles										
25 th	-	10.6	3.6	2.1	8.6	0.0	0.0	0.0	0.0	0.0
50 th	-	14.5	5.1	6.2	30.0	0.0	0.0	0.0	0.0	0.0
75 th	-	20.2	7.0	12.3	51.4	2.9	2.9	0.2	0.1	0.1
90 th	-	26.1	9.5	18.5	66.3	2.9	2.9	0.3	0.3	0.3
95 th	-	31.5	12.0	24.6	74.9	5.7	5.7	0.5	0.4	0.4
97 th	-	33.7	13.8	28.7	85.6	5.7	8.6	0.7	0.5	0.5
98 th	-	35.4	14.7	30.8	92.0	5.7	8.6	0.8	0.6	0.5
99 th	-	36.0	18.1	34.9	98.4	7.1	11.4	1.0	0.8	0.6
Maximum	33.4	54.9	40.3	67.7	149.8	8.6	42.9	2.1	1.6	1.3
Data Capture (%)	95.9	95.9	95.4	91.7	89.9	96.7	93.3	93.2	93.2	97.3

Notes: 1: Skew represents an expression of the distribution of measured values around the derived mean. Positive skew represents a distribution tending towards values higher than the mean, and negative skew represents a distribution tending towards values lower than the mean. Skew is dimensionless.

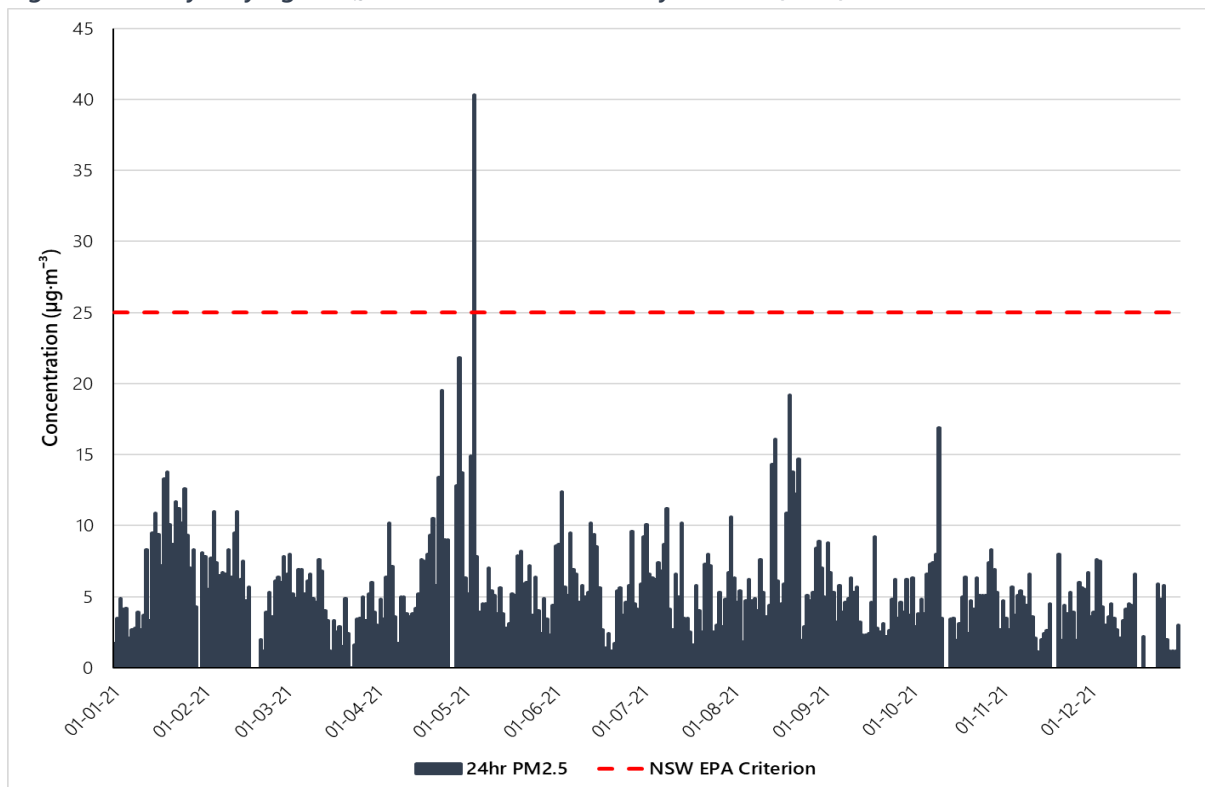
2: Kurtosis represents an expression of the value of measured values in relation to a normal distribution. Positive kurtosis represents a more peaked distribution, and negative kurtosis represents a distribution more flattened than a normal distribution. Kurtosis is dimensionless.

Figure D2 Daily varying PM₁₀ measurements – St Marys AQMS (2021)



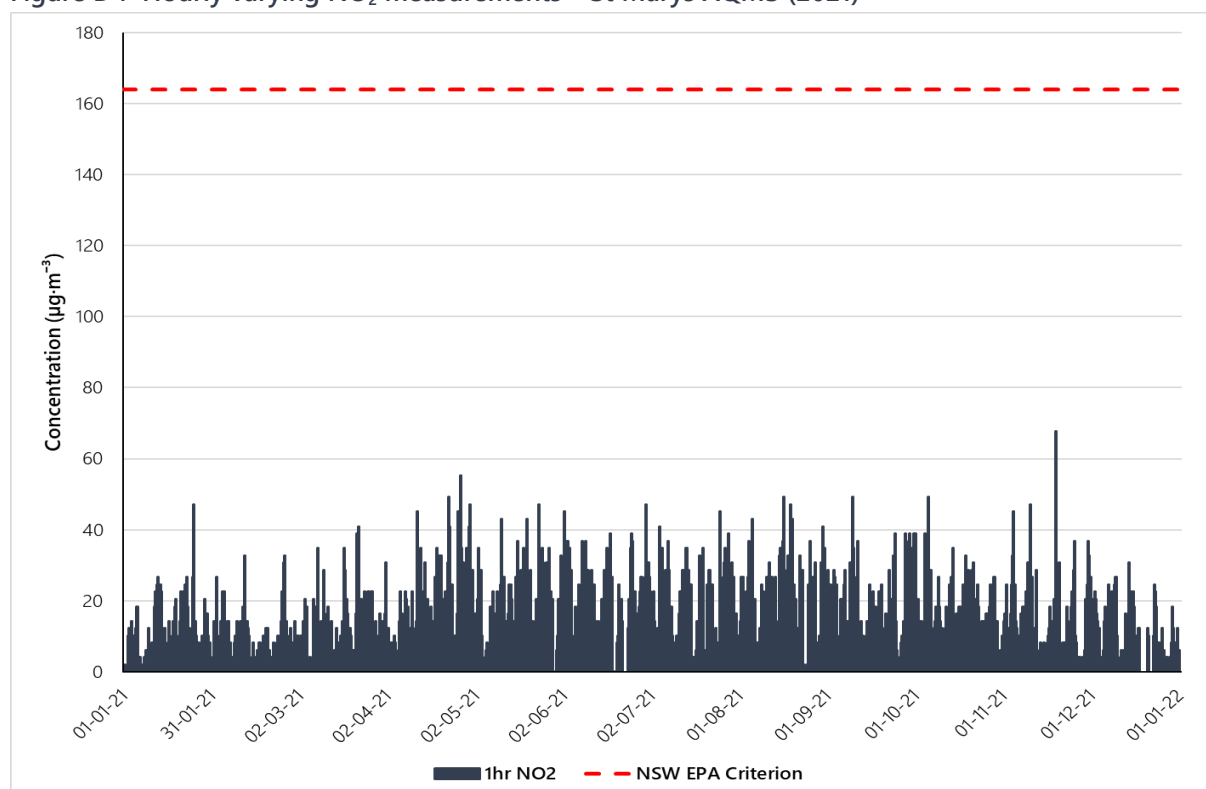
Source: Northstar

Figure D3 Daily varying PM_{2.5} measurements – St Marys AQMS (2021)



Source: Northstar

Figure D4 Hourly varying NO₂ measurements – St Marys AQMS (2021)



Source: Northstar

It can be observed from Figures D2 to D4 that in 2021, the St Marys AQMS recorded one exceedance of the respective 24-hour PM₁₀ and PM_{2.5} criteria. Table D2 provides further details on the 24-hour PM₁₀ and PM_{2.5} exceedances recorded at the St Marys AQMS in 2021. The New South Wales annual compliance report (NSW DPE, 2023) attributes exceptional PM₁₀ and PM_{2.5} events in 2021 primarily to hazard reduction burns, particularly in the Sydney region.

Table D2 Calendar days in 2021 when 24-hour PM₁₀ & PM_{2.5} criteria exceeded at St Marys AQMS

Date	Measured concentration (µg·m ⁻³)	Comments
24-hour PM₁₀ concentrations		
4 May 2021	54.9	Exceptional – hazard reduction burning
24-hour PM_{2.5} concentrations		
4 May 2021	40.3	Exceptional – hazard reduction burning

APPENDIX E

Generator Technical Specifications



2024 EPA Tier 2 Exhaust Emission Compliance Statement C2750D5BE Stationary Emergency 50 Hz Diesel generator set

Compliance Information:

The engine used in this generator set complies with the Tier 2 emissions limits of U.S EPA New source performance standards for stationary emergency engines under the provisions of 40 CFR 60 Subpart E when tested per ISO8178 D1.

Engine Manufacturer: Cummins Inc.
EPA Certificate Number: RCEXL060.AAD-001
Effective Date: 04/05/2023
Date Issued: 04/05/2023
EPA Diesel Engine Family: RCEXL060.AAD

Engine Information:

Model:	QSK60-G23	Bore:	6.25 in. (159 mm)
Engine Nameplate HP:	3202	Stroke:	7.48 in. (190 mm)
Type:	4 Cycle, V, 16 Cylinder Diesel	Displacement:	3672 cu. in. (60 liters)
Aspiration:	Turbocharged & Low Temperature Aftercooled	Compression ratio:	14.5:1
Emission Control Device:	Turbocharged and Aftercooled	Exhaust Stack Dia.:	10 in. (254 mm)

Diesel Fuel Emission Limits

D2 Cycle Exhaust Emissions

	Grams per BHP-hr			Grams per kWm-hr		
	<u>NOx</u> <u>NMHC</u>	<u>CO</u>	<u>PM</u>	<u>NOx</u> <u>NMHC</u>	<u>CO</u>	<u>PM</u>
EPA Emissions Limit	4.80	2.60	0.15	6.40	3.50	0.20

Test methods: EPA emissions recorded per 40 CFR Part 60, 89, 1039, 1065 and weighted at load points prescribed in the regulations for constant speed engines.

Diesel fuel specifications: Cetane number: 40-50. Reference: ASTM D975 No. 2-D, 300-500 ppm Sulfur

Reference conditions: Air inlet temperature: 25 °C (77 °F), Fuel inlet temperature: 40 °C (104 °F).
Barometric pressure: 100 kPa (29.53 in Hg), Humidity: 10.7 g/kg (75 grains H₂O/lb) of dry air; required for NOx correction,
Restrictions: Intake restriction set to a maximum allowable limit for clean filter; Exhaust back pressure set to a maximum allowable limit.

Tests conducted using alternate test methods, instrumentation, fuel or reference conditions can yield different results. Engine operation with excessive air intake or exhaust restriction beyond published maximum limits, or with improper maintenance, may result in elevated emission levels.



Exhaust Emission Data Sheet

C2750D5BE

50 Hz Diesel Generator Set
EPA Tier 2

Engine Information:

Model:	Cummins Inc. QSK60-G23	Bore:	6.25 in. (159 mm)
Type:	4 Cycle, VEE, 16 cylinder diesel	Stroke:	7.48 in. (190 mm)
Aspiration:	Turbocharged and Aftercooled	Displacement:	3672 cu. in. (60 liters)
Compression Ratio:	14.5:1		
Emission Control Device:	Turbocharged and Aftercooled		
Emission Level:	Stationary Emergency		

	<u>1/4</u>	<u>1/2</u>	<u>3/4</u>	<u>Full</u>	<u>Full</u>
<u>Performance Data</u>	<u>Standby</u>	<u>Standby</u>	<u>Standby</u>	<u>Standby</u>	<u>Prime/DCC</u>
Engine BHP @ 1500 RPM (50 Hz)	801	1602	2402	3203	2894
Fuel Consumption L/Hr (US Gal/Hr)	163 (43)	315 (83)	436 (115)	552 (146)	497 (131)
Exhaust Gas Flow m ³ /min (CFM)	163 (5760)	285 (10066)	350 (12369)	405 (14315)	370 (13052)
Exhaust Gas Temperature °C (°F)	392 (738)	428 (803)	449 (840)	480 (896)	463 (865)
<u>Exhaust Emission Data</u>					
HC (Total Unburned Hydrocarbons)	0.13 (54)	0.07 (30)	0.04 (19)	0.03 (13)	0.03 (15)
NOx (Oxides of Nitrogen as NO ₂)	2.99 (1276)	3.07 (1362)	4.13 (2001)	6.13 (3100)	5.78 (2968)
CO (Carbon Monoxide)	0.40 (171)	0.27 (121)	0.16 (79)	0.13 (66)	0.14 (70)
PM (Particulate Matter)	0.05 (22)	0.04 (18)	0.01 (6)	0.02 (8)	0.02 (8)
SO ₂ (Sulfur Dioxide)	0.005 (1.9)	0.005 (1.8)	0.004 (1.8)	0.004 (1.8)	0.004 (1.8)
Smoke (FSN)	0.53	0.45	0.20	0.04	0.03

All values (except smoke) are cited: g/BHP-hr (mg/Nm³ @ 5% O₂)

Test Conditions

Steady-state emissions recorded per ISO8178-1 during operation at rated engine speed (+/-2%) and stated constant load (+/-2%) with engine temperatures, pressures and emission rates stabilized.

Fuel Specification:	42-48 Cetane Number, 0.0015 Wt.% Sulfur; Reference ISO8178-5, 40 CFR 86, 1313—98 Type 2-D and ASTM D975 No. 2-D. Fuel Density at 0.85 Kg/L (7.1 lbs/US Gal)
Air Inlet Temperature	25 °C (77 °F)
Fuel Inlet Temperature:	40 °C (104 °F)
Barometric Pressure:	100 kPa (29.53 in Hg)
Humidity:	NOx measurement corrected to 10.7 g/kg (75 grains H ₂ O/lb) of dry air
Intake Restriction:	Set to 18 in of H ₂ O as measured from compressor inlet
Exhaust Back Pressure:	Set to 1.5 in Hg

Note: mg/m³ values are measured dry, corrected to 5% O₂ and normalized to standard temperature and pressure (0°C, 101.325 kPa)

The NOx, HC, CO and PM emission data tabulated here are representative of test data taken from a single engine under the test conditions shown above. Data for the other components are estimated. These data are subjected to instrumentation and engine-to-engine variability. Field emission test data are not guaranteed to these levels. Actual field test results may vary due to test site conditions, installation, fuel specification, test procedures and instrumentation. Engine operation with excessive air intake or exhaust restriction beyond published maximum limits, or with improper maintenance, may result in elevated emission levels.

	Model : 20M33G2500/5	Date : 31/08/21
	PowerKit Engine Exhaust Gas Emissions Test Report	Page : 1 / 1

Engine Basic data

Engine model 20M33G2500/5
 Injection System.....Direct
 Fuel System.....High Pressure Common Rail
 Aspiration Turbocharged and Aftercooled
 Fuel type Diesel

Test information

Test Date 31/08/21
 Test Procedure GB 20891*

Measured data

Model :	20M33G2500/5	Time :				
PRP :	2010 kW	ESP		2210kW		
	units			--		
Load	%	100%	75%	47%	23%	8%
Power	kW	2010	1508	945	462	161
Rotational speed	rpm	1500	1500	1500	1500	1500
Ambient temperature	°C	24.9	24.8	25.1	25.1	25.0
Exhaust temperature	°C	507	474	446	376	272
Exhaust flow rate	kg/hr	9418	8033	5638	4453	3702
Exhaust back pressure	kPa	A7.4	A3.3	A1.3	A0.3	A0.2
		B8.3	B3.8	B1.4	B0.4	B0.2
O2	ppm	8.72	9.28	10.19	13.32	16.61
NOx	mg/Nm3	1675	2554.5	2967.9	1679.7	616.4
CO	mg/Nm3	75.6	99.6	53.2	109	541.2
CO2	Ppm	8.64	8.19	7.52	5.31	2.97
HC	mg/Nm3	9.4	9	12.7	17.6	30
NOx	mg/Nm3 @5%O2	2182.4	3487.4	4392.9	3499.4	2246.5
CO	mg/Nm3 @5%O2	98.6	136	78.7	227.1	1972.3
HC	mg/Nm3 @5%O2	12.2	12.3	18.8	36.6	227.1
PM	g/kW·h	0.024				
Smoke	FSN	0.134	0.045	0.029	0.059	0.042

3516B Diesel Generator Sets Electric Power



Package Performance

Low Emissions (90°C SCAC)

Performance	Standby	Mission Critical	Prime	Continuous
Frequency	50 Hz	50 Hz	50 Hz	50 Hz
Gen set power rating with fan	2000 ekW	2000 ekW	1820 ekW	1600 ekW
Gen set power rating with fan @ 0.8 power factor	2500 kVA	2500 kVA	2275 kVA	2000 kVA
Emissions	Low Emissions	Low Emissions	Low Emissions	Low Emissions
Performance number	DM7975-02	EM0619-00	DM7978-01	DM7981-01
Aftercooler (separate circuit) – °C (°F)	90 (194)	90 (194)	90 (194)	90 (194)
Fuel Consumption				
100% load with fan – L/hr (gal/hr)	525.4 (138.8)	525.4 (138.8)	4781 (126.3)	422.3 (111.6)
75% load with fan – L/hr (gal/hr)	395.8 (104.6)	395.8 (104.6)	359.3 (94.9)	315.7 (83.4)
50% load with fan – L/hr (gal/hr)	268.5 (70.9)	268.5 (70.9)	247.0 (65.2)	221.3 (58.5)
25% load with fan – L/hr (gal/hr)	153.6 (40.6)	153.6 (40.6)	142.8 (37.7)	130.0 (34.3)
Cooling System				
Radiator air flow restriction (system) – kPa (in. water)	0.12 (0.48)	0.12 (0.48)	0.12 (0.48)	0.12 (0.48)
Radiator air flow – m³/min (cfm)	1612 (56927)	1612 (56927)	1612 (56927)	1612 (56927)
Engine coolant capacity – L (gal)	233.0 (61.6)	233.0 (61.6)	233.0 (61.6)	233.0 (61.6)
Radiator coolant capacity – L (gal)	131.0 (34.6)	131.0 (34.6)	131.0 (34.6)	131.0 (34.6)
Total coolant capacity – L (gal)	364.0 (96.2)	364.0 (96.2)	364.0 (96.2)	364.0 (96.2)
Inlet Air				
Combustion air inlet flow rate – m³/min (cfm)	158.2 (5586.2)	158.2 (5586.2)	150.7 (5321.3)	139.3 (4918.9)
Exhaust System				
Exhaust stack gas temperature – °C (°F)	540.0 (1004.0)	540.0 (1004.0)	519.1 (966.4)	499.8 (931.6)
Exhaust gas flow rate – m³/min (cfm)	453.6 (16017.0)	453.6 (16017.0)	540.2 (14837.4)	378.5 (13365.4)
Exhaust system backpressure (maximum allowable) – kPa (in. water)	6.7 (27.0)	6.7 (27.0)	6.7 (27.0)	6.7 (27.0)
Heat Rejection				
Heat rejection to jacket water – kW (Btu/min)	759 (43164)	759 (43164)	711 (40434)	651 (37022)
Heat rejection to exhaust (total) – kW (Btu/min)	2117 (120392)	2117 (120392)	1923 (109358)	1693 (96281)
Heat rejection to aftercooler – kW (Btu/min)	4006 (23089)	4006 (23089)	347 (19733)	274 (15583)
Heat rejection to atmosphere from engine – kW (Btu/min)	175 (9952)	175 (9952)	164 (9326)	153 (8701)
Heat rejection from alternator – kW (Btu/min)	94 (5362)	94 (5362)	83 (4713)	72 (4093)
Emissions* (Nominal)				
NOx mg/Nm³ (g/hp-h)	3059.2 (6.50)	3059.2 (6.50)	3056.5 (6.50)	2749.2 (5.84)
CO mg/Nm³ (g/hp-h)	323.3 (0.69)	323.3 (0.69)	323.8 (0.69)	440.8 (0.94)
HC mg/Nm³ (g/hp-h)	55.2 (0.12)	55.2 (0.12)	55.3 (0.12)	64.4 (0.14)
PM mg/Nm³ (g/hp-h)	12.6 (0.03)	12.6 (0.03)	12.6 (0.03)	17.2 (0.04)
Emissions* (Potential Site Variation)				
NOx mg/Nm³ (g/hp-h)	3671.0 (7.80)	3671.0 (7.80)	3667.8 (7.80)	3299.1 (7.01)
CO mg/Nm³ (g/hp-h)	581.9 (1.24)	581.9 (1.24)	582.9 (1.24)	793.5 (1.69)
HC mg/Nm³ (g/hp-h)	73.4 (0.16)	73.4 (0.16)	73.6 (0.16)	85.7 (0.18)
PM mg/Nm³ (g/hp-h)	17.6 (0.04)	17.6 (0.04)	17.7 (0.04)	24.1 (0.05)

*mg/Nm³ levels are corrected to 5% O₂. Contact your local Cat dealer for further information.

APPENDIX F

Construction Stage Emissions Estimation

Inputs to the emissions estimation during earthworks at the Proposal site are presented in Table F1.

Three haulage routes were modelled in accordance with the Proposal bulk earthworks plans (refer Figure 6 and Table 20 of Main AQIA), comprising the haulage routes for Sub Parcel A, Sub Parcel B and Sub Parcel C.

Table F1 Summary of assumptions adopted for assessment of Proposal earthworks

Material type	Silt content (%)		Moisture content (%)
All materials	6.9		11
Parameter	Route 1 (Sub Parcel A)	Route 2 (Sub Parcel B)	Route 3 (Sub Parcel C)
Haulage route length (1-way) (m)	223	168	219
Average vehicle weight (t)	47.9	47.9	47.9
Haulage route silt content (%)	8.5	8.5	8.5
Site area (ha)	52.3	52.3	52.3

The activities, activity rates, and emissions anticipated during construction works are presented in Table F2 for the Proposal site and Table F3 for the modelled surrounding earthworks activities. As outlined in section 5.3.1 of the main AQIA, these emissions have been summed and distributed across the relevant area and emitted as an area source. Two area sources have been included for each stage of construction, one representing volume sources during operational hours, and the other representing wind erosion sources which could emit 24 hours per day.

Table F2 Emissions estimates – earthworks

Description	Emission Factor	Emission rate				Activity Rate	Units	Emission Controls	Controlled emission (kg.yr-1)		
		TSP	PM10	PM2.5	Units				TSP	PM10	PM2.5
Topsoil stripping	AP-42 - Topsoil removal by scraper - Table 11.9-4	2.9E-02	7.3E-03	1.1E-03	kg-t-1	95,950	t	Watering (75%)	695.6	173.9	26.1
Topsoil unloading	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg-t-1	95,950	t	0	5.1	2.4	0.4
Excavation of creeks and dams/sediment basins	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg-t-1	143,420	t	0	7.6	3.6	0.5
Excavator - load to haul truck	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg-t-1	2,463,280	t	Minimise drop height (30%)	90.9	43.0	6.5
Unload at fill location	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg-t-1	2,811,351	t	Minimise drop height (30%)	103.8	49.1	7.4
Grading	AP-42 - Grading - Table 11.9-2	1.5E+00	4.4E-01	4.6E-02	kg-VKT-1	12,586	VKT	Watering (50%)	9,388.3	2,747.8	291.0
Dozer	AP-42 - Bulldozing (Overburden) - Table 11.9-2	1.2E+00	2.1E-01	1.2E-01	kg-hr-1	2,484	hr	Watering (50%)	1,451.8	264.7	152.4
Haulage to fill (or offsite) - Route 1	AP-42 Unpaved roads - Section 13.2.2	3.9E+00	1.1E+00	1.1E-01	kg-VKT-1	12,126.1	VKT	Watering (98%)	956.5	273.3	27.3
Haulage to fill (or offsite) - Route 2	AP-42 Unpaved roads - Section 13.2.2	3.9E+00	1.1E+00	1.1E-01	kg-VKT-1	9,135.3	VKT	Watering (98%)	720.6	205.9	20.6
Haulage to fill (or offsite) - Route 3	AP-42 Unpaved roads - Section 13.2.2	3.9E+00	1.1E+00	1.1E-01	kg-VKT-1	11,908.6	VKT	Watering (98%)	939.4	268.4	26.8
Wind erosion	AP-42 - Wind erosion of exposed areas - annual - Table 11.9-4	8.5E+02	4.3E+02	6.4E+01	kg-ha-1yr-1	52.3	ha	0	44,418.9	22,209.4	3,331.4
								TOTAL	58,070.1	26,061.7	3,863.6

Table F3 Emissions estimates – surrounding earthworks activities

Description	Emission Factor	Emission rate				Activity Rate	Units	Emission Controls	Controlled emission (kg.yr-1)		
		TSP	PM10	PM2.5	Units				TSP	PM10	PM2.5
C - Topsoil stripping	AP-42 - Topsoil removal by scraper - Table 11.9-4	2.9E-02	7.3E-03	1.1E-03	kg t-1	53,625	t	Watering (75%)	388.8	97.2	14.6
C - Topsoil unloading	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg t-1	53,625	t	0	2.8	1.3	0.2
C - Excavation of creeks and dams/sediment basin	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg t-1	5,090	t	0	0.3	0.1	0.0
C - Excavator - load to haul truck	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg t-1	425,536	t	Minimise drop height (30%)	15.7	7.4	1.1
C - Unload at fill location	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg t-1	607,329	t	Minimise drop height (30%)	22.4	10.6	1.6
C - Grading	AP-42 - Grading - Table 11.9-2	1.5E+00	4.4E-01	4.6E-02	kg VKT-1	11,040	VKT	Watering (50%)	8,235.3	2,410.4	255.3
H - Topsoil stripping	AP-42 - Topsoil removal by scraper - Table 11.9-4	2.9E-02	7.3E-03	1.1E-03	kg t-1	35,358	t	Watering (75%)	256.3	64.1	9.6
H - Topsoil unloading	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg t-1	35,358	t	0	1.9	0.9	0.1
H - Excavation of creeks and dams/sediment basin	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg t-1	8,251	t	0	0.4	0.2	0.0
H - Excavator - load to haul truck	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg t-1	351,914	t	Minimise drop height (30%)	13.0	6.1	0.9
H - Unload at fill location	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg t-1	745,454	t	Minimise drop height (30%)	27.5	13.0	2.0
H - Grading	AP-42 - Grading - Table 11.9-2	1.5E+00	4.4E-01	4.6E-02	kg VKT-1	11,040	VKT	Watering (50%)	8,235.3	2,410.4	255.3
J - Topsoil stripping	AP-42 - Topsoil removal by scraper - Table 11.9-4	2.9E-02	7.3E-03	1.1E-03	kg t-1	31,713	t	Watering (75%)	229.9	57.5	8.6
J - Topsoil unloading	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg t-1	31,713	t	0	1.7	0.8	0.1
J - Excavation of creeks and dams/sediment basin	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg t-1	16,910	t	0	0.9	0.4	0.1
J - Excavator - load to haul truck	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg t-1	1,383,855	t	Minimise drop height (30%)	51.1	24.2	3.7
J - Unload at fill location	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg t-1	681,123	t	Minimise drop height (30%)	25.1	11.9	1.8
J - Grading	AP-42 - Grading - Table 11.9-2	1.5E+00	4.4E-01	4.6E-02	kg VKT-1	7,360	VKT	Watering (50%)	5,490.2	1,606.9	170.2
K - Topsoil stripping	AP-42 - Topsoil removal by scraper - Table 11.9-4	2.9E-02	7.3E-03	1.1E-03	kg t-1	25,048	t	Watering (75%)	181.6	45.4	6.8
K - Topsoil unloading	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg t-1	25,048	t	0	1.3	0.6	0.1
K - Excavation of creeks and dams/sediment basin	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg t-1	12,120	t	0	0.6	0.3	0.0
K - Excavator - load to haul truck	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg t-1	795,357	t	Minimise drop height (30%)	29.4	13.9	2.1
K - Unload at fill location	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg t-1	861,107	t	Minimise drop height (30%)	31.8	15.0	2.3
K - Grading	AP-42 - Grading - Table 11.9-2	1.5E+00	4.4E-01	4.6E-02	kg VKT-1	4,416	VKT	Watering (50%)	3,294.1	964.2	102.1
L - Topsoil stripping	AP-42 - Topsoil removal by scraper - Table 11.9-4	2.9E-02	7.3E-03	1.1E-03	kg t-1	11,671	t	0	84.6	21.2	3.2
L - Topsoil unloading	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg t-1	11,671	t	Minimise drop height (30%)	0.6	0.3	0.0
L - Excavation of creeks and dams/sediment basin	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg t-1	-	t	Minimise drop height (30%)	-	-	-
L - Excavator - load to haul truck	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg t-1	16,971	t	Watering (50%)	0.6	0.3	0.0
L - Unload at fill location	AP-42 - Batch drop - Section 13.2.4.3	5.3E-05	2.5E-05	3.8E-06	kg t-1	199,200	t	Watering (75%)	7.4	3.5	0.5
L - Grading	AP-42 - Grading - Table 11.9-2	1.5E+00	4.4E-01	4.6E-02	kg VKT-1	6,309	VKT	0	4,705.9	1,377.4	145.9
C - Haulage to fill (or offsite)	AP-42 Unpaved roads - Section 13.2.2	3.9E+00	1.1E+00	1.1E-01	kg VKT-1	16,627	VKT	Watering (75%)	16,394.3	4,684.2	468.4
H - Haulage to fill (or offsite)	AP-42 Unpaved roads - Section 13.2.2	3.9E+00	1.1E+00	1.1E-01	kg VKT-1	6,992	VKT	Watering (75%)	6,893.8	1,969.7	197.0
J - Haulage to fill (or offsite)	AP-42 Unpaved roads - Section 13.2.2	3.9E+00	1.1E+00	1.1E-01	kg VKT-1	37,575	VKT	Watering (75%)	37,049.1	10,585.7	1,058.6
K - Haulage to fill (or offsite)	AP-42 Unpaved roads - Section 13.2.2	3.9E+00	1.1E+00	1.1E-01	kg VKT-1	20,542	VKT	Watering (75%)	20,254.9	5,787.3	578.7
L - Haulage to fill (or offsite)	AP-42 Unpaved roads - Section 13.2.2	3.9E+00	1.1E+00	1.1E-01	kg VKT-1	393	VKT	Watering (75%)	387.9	110.8	11.1
C - Wind erosion	AP-42 - Wind erosion of exposed areas - annual - Table 11.9-4	8.5E+02	4.3E+02	6.4E+01	kg ha-1 yr-1	39	ha	0	32,776.0	16,388.0	2,458.2
H - Wind erosion	AP-42 - Wind erosion of exposed areas - annual - Table 11.9-4	8.5E+02	4.3E+02	6.4E+01	kg ha-1 yr-1	20	ha	0	17,238.0	8,619.0	1,292.9
J - Wind erosion	AP-42 - Wind erosion of exposed areas - annual - Table 11.9-4	8.5E+02	4.3E+02	6.4E+01	kg ha-1 yr-1	30	ha	0	25,797.5	12,898.8	1,934.8
K - Wind erosion	AP-42 - Wind erosion of exposed areas - annual - Table 11.9-4	8.5E+02	4.3E+02	6.4E+01	kg ha-1 yr-1	63	ha	0	53,805.0	26,902.5	4,035.4
L - Wind erosion	AP-42 - Wind erosion of exposed areas - annual - Table 11.9-4	8.5E+02	4.3E+02	6.4E+01	kg ha-1 yr-1	10	ha	0	8,625.0	4,312.5	646.9
TOTAL									250,558.2	101,423.9	13,670.3

Note: Refer to Table 24 and Figure 16 of the main AQIA for site references ("A", "B", etc)

APPENDIX G

Cumulative Impacts – Maintenance Testing

The potential for cumulative air quality impacts to occur at surrounding sensitive receptor locations due to impacts associated with the Proposal and other surrounding data centres during regular generator maintenance testing has been considered within this AQIA in a quantitative manner, as required by the SEARs.

Thirteen data centres have been identified within a 5 km radius of the Proposal site (see Figure G1) and relevant documentation associated with each of those developments has been reviewed and adopted as outlined in Table G1 and Table G2.

The specific emissions parameters and exhaust characteristics for each data centre have been adopted as presented in Table G1. Data for some of the data centres was not available, and information retrieved from online searches was adopted (e.g. generator manufacturer, make and model). Table G3 provides the input data for dispersion modelling adopted.

Table G1 Information obtained for cumulative assessment

Details	Approved / operational	Proposed
Generator testing hours	Conditions of Consent	AQIA
Generators permitted to be tested at one time	Conditions of Consent AQIA	AQIA
Generator specifications (emission rates, flue heights, diameters etc.)	AQIA	AQIA

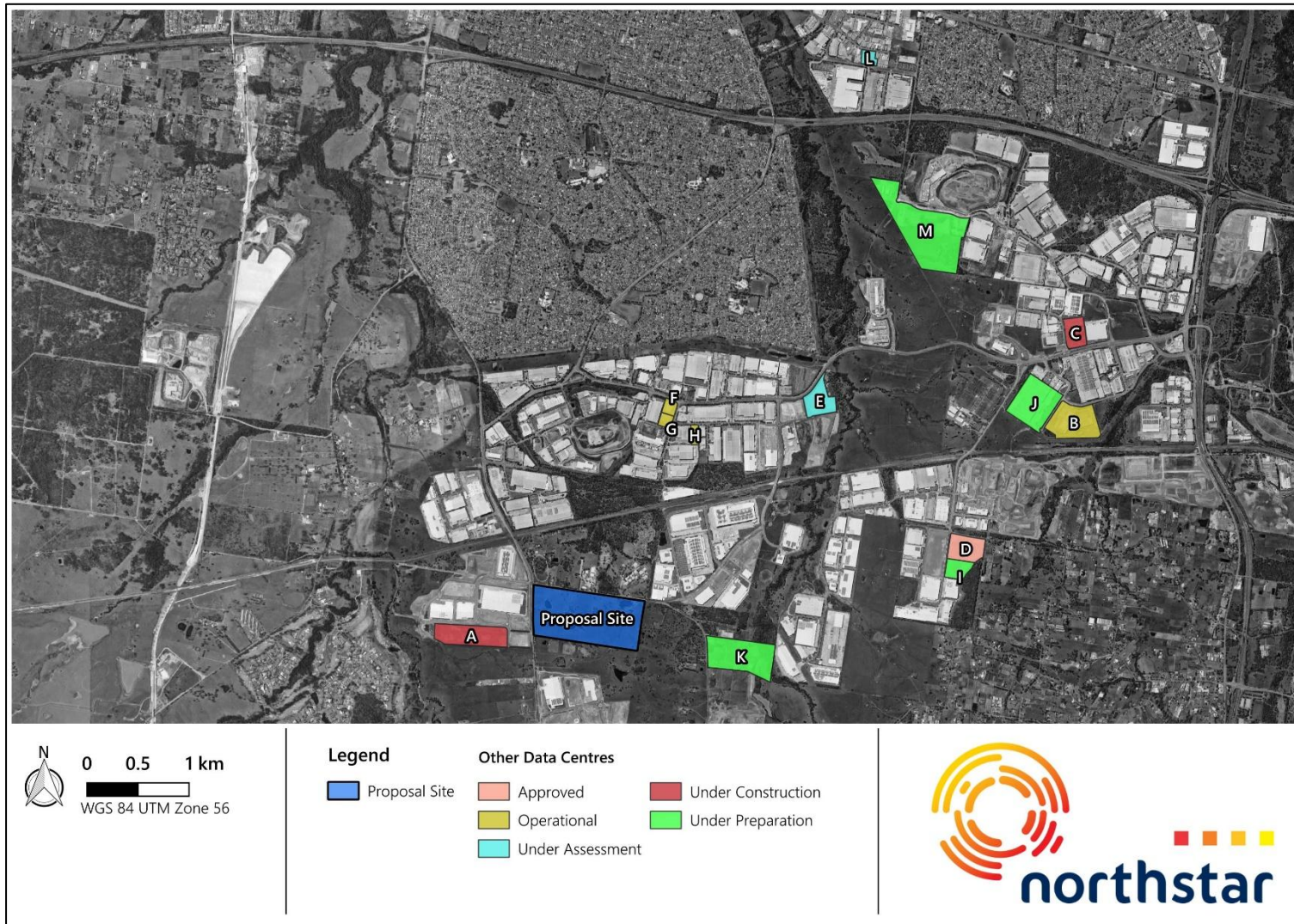
Table G2 Generator testing regimes for surrounding data centres

ID	Data centre	Suburb	No. of generators tested at once	Hours of testing	Consent
A	SYD05	Kemps Creek	1	7am to 6pm (Mon-Fri), 8am to 6pm (Sun and PH)	SSD-10101987
B	CDC	Eastern Creek	5	9am to 4pm (Mon to Fri)	SSD-10330
C	Project Echidna	Eastern Creek	3	7am to 6pm (Mon to Fri)	SSD-47320208
D ^(B)	NEXTDC S4	Horsley Park	2	7am to 6pm (Mon to Fri), 8am to 6pm (Sundays)	SSD-63741210
E ^(A)	STACK SYD01	Erskine Park	4	7am to 6pm (Mon to Fri)	SSD-82211208
F ^(A)	Digital Realty SYD10	Erskine Park	1	7am to 6pm (Mon to Fri)	-
G ^(A)	Digital Realty SYD11	Erskine Park	1	7am to 6pm (Mon to Fri)	-
H ^(A)	Digital Realty SYD14	Erskine Park	1	7am to 6pm (Mon to Fri)	-
I	NEXTDC S4 P2	Horsley Park	2	7am to 6pm (Mon to Fri)	TBD
J	Project Atlas	Eastern Creek	5	7am to 6pm (Mon to Fri)	SSD-101067971
K ^(A)	90 Aldington Road	Kemps Creek	1	7am to 6pm (Mon to Fri)	SSD-112059740
L ^(A)	Doma	Minchinbury	6	7am to 6pm (Mon to Fri)	-
M ^(A)	NEXTDC S7 ^(A)	Eastern Creek	12	7am to 6pm (Mon to Fri)	SSD-113934740

Notes: (A): No data available online – assumptions adopted

(B): Currently at Response to Submissions phase

Figure G1 Surrounding data centres considered in cumulative assessment



Source: Northstar

Table G3 Emission parameters for surrounding data centres – testing regime

Parameter	Units	A	B	C	D	E	F	G	H	I	J	K	L	M
Stack parameters														
Hour start	Hr	0700	0900	0700	0700	0700	0700	0700	0700	0700	0700	0700	0700	0700
Hour end	Hr	1800	1600	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800	1800
Number of active generators	no.	1	5	3	2	4	1	1	1	2	5	1	6	12
Stack height ^(f)	m AGL	20	6	25, 30, 13.2	41.3	33.4	13	13	13	41.3	26.2 / 34.8	13	22.1	41.3
Stack diameter	mm ID	0.5	0.54	0.65, 0.55, 0.4	0.6	0.6	0.5	0.5	0.5	0.6	0.7	0.5	0.7	0.6
Exit temperature	K	733.9	657.2	730.2, 768.2, 713.2	734.2	793.2	714.3	714.3	714.3	733.7	667.3	714.3	537.0	733.7
Exit velocity	m·s ⁻¹	59.8	34.4	33.5, 38.9, 35.8	19.2	43.4	35.8	35.8	35.8	40.7	22.3	35.8	7.0	40.7
Pollutant emission rates														
NO _x	g·s ⁻¹	6.3	6.7	6.1, 3.7, 6.5	7.9	13.9	7.7	7.7	7.7	7.9	13.9	7.7	1.6	7.9
PM (PM ₁₀ and PM _{2.5})	g·s ⁻¹	0.02	0.01	0.02, 0.04, 0.03	0.03	0.06	0.03	0.03	0.03	0.03	0.12	0.03	0.05	0.03

APPENDIX H

Schedule of Results

Order of results:

- Emergency scenario – 20 minute outage period
- Maintenance scenario – generators operating at no-load – 15 minutes per hour
- Maintenance scenario – generators operating at load – 60 minutes
- Additional information – Emergency scenario – 1 hour outage period, presented for information only.

Nitrogen dioxide (NO₂)

Maximum 1-hour concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.
Criterion			164
R1	1 211.4	8.2	1 219.6
R2	1 506.9	12.3	1 519.2
R3	1 301.5	12.3	1 313.8
R4	1 491.0	12.3	1 503.3
R5	777.8	12.3	790.1
R6	657.9	6.1	664.0
R7	431.0	6.1	437.2
R8	355.1	12.3	367.4
R9	582.6	12.3	594.9
R10	711.7	10.2	722.0
R11	538.7	10.2	548.9
R12	914.8	8.2	923.0
R13	880.0	8.2	888.2
R14	1 083.1	4.1	1 087.2
R15	497.5	4.1	501.6
R16	294.0	6.1	300.2
R17	306.1	2.0	308.1
R18	302.2	2.0	304.3
R19	302.6	2.0	304.6
R20	236.1	< 0.1	236.1
R21	228.0	< 0.1	228.0
R22	240.5	< 0.1	240.5
R23	244.3	2.0	246.4
R24	216.3	2.0	218.3
R25	222.2	2.0	224.2
R26	184.2	6.1	190.4
R27	164.4	4.1	168.5
R28	262.6	6.1	268.8
R29	281.6	2.0	283.7
R30	277.1	2.0	279.2

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R31	261.3	8.2	269.5
R32	234.8	6.1	241.0
R33	209.0	2.0	211.0
R34	216.8	2.0	218.8
R35	215.2	4.1	219.3
R36	284.3	2.0	286.4
R37	285.8	2.0	287.9
R38	298.3	10.2	308.5
R39	212.5	4.1	216.6
R40	670.0	34.9	704.9
R41	313.5	6.1	319.7
R42	475.8	30.8	506.6
R43	316.1	10.2	326.4
R44	307.1	12.3	319.4
R45	314.4	12.3	326.7
R46	338.8	10.2	349.1
R47	416.3	8.2	424.5
R48	607.2	10.2	617.5
R49	489.1	12.3	501.4
R50	316.2	8.2	324.4
R51	285.1	2.0	287.2
R52	343.8	12.3	356.1
R53	323.6	2.0	325.7
R54	239.3	6.1	245.4
R55	272.6	2.0	274.6
R56	303.1	2.0	305.2
R57	258.8	8.2	267.0
R58	244.6	6.1	250.8
R59	254.0	6.1	260.1
R60	248.9	6.1	255.0
R61	229.7	4.1	233.8
R62	309.8	10.2	320.1
R63	307.5	4.1	311.6
R64	238.6	10.2	248.8
R65	278.0	2.0	280.0

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R66	272.5	4.1	276.6
R67	221.0	2.0	223.1
R68	205.5	4.1	209.6
R69	182.0	4.1	186.1
R70	250.7	6.1	256.8
R71	303.0	24.6	327.6
R72	326.0	24.6	350.6
R73	353.6	10.2	363.9
R74	242.3	2.0	244.4
R75	231.5	2.0	233.6
R76	203.1	< 0.1	203.1
R77	287.4	10.2	297.7
R78	295.4	4.1	299.5
R79	239.2	4.1	243.3
R80	213.5	10.2	223.8
R81	277.7	6.1	283.9
R82	273.6	16.4	290.0
R83	291.9	4.1	296.0
R84	289.0	6.1	295.1
R85	310.4	4.1	314.5
R86	283.7	4.1	287.8
R87	275.7	10.2	286.0
R88	251.5	10.2	261.8
R89	233.5	10.2	243.8
R90	193.6	12.3	205.9
R91	256.4	10.2	266.7
R92	227.6	10.2	237.9
R93	232.6	12.3	244.9
R94	275.7	4.1	279.8
R95	236.4	4.1	240.5
R96	275.8	12.3	288.1
R97	221.4	12.3	233.7
R98	244.3	8.2	252.5
R99	287.6	10.2	297.9
R100	221.1	< 0.1	221.1

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R101	215.4	8.2	223.6
R102	234.5	4.1	238.6
R103	247.1	2.0	249.1
R104	193.0	6.1	199.2
R105	129.4	4.1	133.5
R106	183.7	4.1	187.8
R107	188.7	4.1	192.8
R108	286.4	2.0	288.5
R109	266.6	2.0	268.7
R110	229.2	< 0.1	229.2
R111	226.8	2.0	228.8
R112	265.9	2.0	267.9
R113	269.6	2.0	271.6
R114	185.4	4.1	189.5
R115	229.2	6.1	235.3
R116	135.4	10.2	145.7
R117	217.3	6.1	223.5
R118	247.5	6.1	253.7
R119	211.9	< 0.1	211.9
R120	289.9	2.0	291.9
R121	196.5	< 0.1	196.5
R122	222.3	< 0.1	222.3
R123	233.9	< 0.1	233.9
R124	212.1	< 0.1	212.1
R125	224.0	< 0.1	224.0
R126	222.6	< 0.1	222.6
R127	289.8	8.2	298.0
R128	432.4	12.3	444.7

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	10 235.7	29/04/2021 07:00	1 023.6	0.34	< 0.1	0.635	0.1	0.02	1 211.4	8.2	1 219.6
R2	12 451.4	02/10/2021 06:00	1 245.1	0.62	< 0.1	0.635	0.1	0.02	1 506.9	12.3	1 519.2
R3	10 470.2	02/10/2021 06:00	1 047.0	0.62	< 0.1	0.635	0.1	0.03	1 301.5	12.3	1 313.8
R4	12 194.8	02/10/2021 06:00	1 219.5	0.62	< 0.1	0.635	0.1	0.02	1 491.0	12.3	1 503.3
R5	5 663.7	02/10/2021 06:00	566.4	0.62	< 0.1	0.635	0.1	0.04	777.8	12.3	790.1
R6	4 677.2	03/10/2021 06:00	467.7	0.13	< 0.1	0.635	0.1	0.05	657.9	6.1	664.0
R7	2 772.4	03/10/2021 06:00	277.2	0.13	< 0.1	0.635	0.1	0.06	431.0	6.1	437.2
R8	2 191.7	25/09/2021 06:00	219.2	0.53	4.36	0.635	0.1	0.07	355.1	12.3	367.4
R9	4 315.0	04/05/2021 07:00	431.5	0.40	< 0.1	0.635	0.1	0.04	582.6	12.3	594.9
R10	5 740.0	27/09/2021 06:00	574.0	0.16	1.09	0.635	0.1	0.03	711.7	10.2	722.0
R11	4 476.6	27/09/2021 06:00	447.7	0.16	1.09	0.635	0.1	0.02	538.7	10.2	548.9
R12	8 631.7	19/08/2021 07:00	863.2	0.16	4.36	0.49	0.05	0.01	914.8	8.2	923.0
R13	8 219.7	19/08/2021 07:00	822.0	0.16	4.36	0.49	0.05	0.01	880.0	8.2	888.2
R14	10 225.3	20/08/2021 07:00	1 022.5	< 0.1	1.09	0.49	0.05	0.01	1 083.1	4.1	1 087.2
R15	4 395.4	20/08/2021 07:00	439.5	< 0.1	1.09	0.49	0.05	0.01	497.5	4.1	501.6
R16	877.0	12/11/2021 18:00	87.7	1.86	29.43	0.74	0.1	0.26	294.0	6.1	300.2
R17	736.5	15/11/2021 04:00	73.6	2.57	22.89	0.74	0.1	0.35	306.1	2.0	308.1
R18	733.0	15/11/2021 04:00	73.3	2.57	22.89	0.74	0.1	0.35	302.2	2.0	304.3
R19	1 176.4	13/02/2021 18:00	117.6	1.29	16.35	0.67	0.1	0.17	302.6	2.0	304.6
R20	803.1	07/05/2021 05:00	80.3	2.15	21.80	0.74	0.1	0.22	236.1	< 0.1	236.1
R21	749.5	07/05/2021 04:00	74.9	2.67	21.80	0.74	0.1	0.23	228.0	< 0.1	228.0
R22	714.1	05/05/2021 17:00	71.4	2.87	25.07	0.74	0.1	0.26	240.5	< 0.1	240.5
R23	795.7	13/02/2021 19:00	79.6	2.03	13.08	0.67	0.1	0.23	244.3	2.0	246.4
R24	690.2	13/02/2021 19:00	69.0	2.03	13.08	0.67	0.1	0.24	216.3	2.0	218.3
R25	623.8	21/09/2021 17:00	62.4	2.19	32.70	0.8	0.1	0.28	222.2	2.0	224.2
R26	575.1	02/02/2021 18:00	57.5	2.02	18.53	0.67	0.1	0.24	184.2	6.1	190.4
R27	535.5	28/07/2021 17:00	53.6	4.19	30.52	0.87	0.07	0.23	164.4	4.1	168.5
R28	851.0	30/10/2021 02:00	85.1	2.07	21.80	0.74	0.1	0.23	262.6	6.1	268.8
R29	894.6	14/09/2021 06:00	89.5	2.12	25.07	0.74	0.1	0.24	281.6	2.0	283.7
R30	875.4	14/09/2021 06:00	87.5	2.12	25.07	0.74	0.1	0.24	277.1	2.0	279.2
R31	1 284.3	17/02/2021 06:00	128.4	1.15	3.27	0.67	0.1	0.11	261.3	8.2	269.5
R32	868.3	02/02/2021 18:00	86.8	2.02	18.53	0.67	0.1	0.19	234.8	6.1	241.0

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	567.1	21/09/2021 17:00	56.7	2.19	32.70	0.8	0.1	0.30	209.0	2.0	211.0
R34	590.9	21/09/2021 17:00	59.1	2.19	32.70	0.8	0.1	0.30	216.8	2.0	218.8
R35	709.3	26/11/2021 19:00	70.9	3.53	19.62	0.635	0.1	0.23	215.2	4.1	219.3
R36	709.0	15/11/2021 04:00	70.9	2.57	22.89	0.74	0.1	0.33	284.3	2.0	286.4
R37	703.0	15/11/2021 04:00	70.3	2.57	22.89	0.74	0.1	0.34	285.8	2.0	287.9
R38	1 640.2	09/09/2021 07:00	164.0	0.36	< 0.1	0.635	0.1	0.09	298.3	10.2	308.5
R39	1 103.2	24/07/2021 18:00	110.3	5.09	26.16	0.83	0.07	0.10	212.5	4.1	216.6
R40	5 795.1	16/08/2021 07:00	579.5	0.22	1.09	0.49	0.05	0.02	670.0	34.9	704.9
R41	2 057.6	03/10/2021 06:00	205.8	0.13	< 0.1	0.635	0.1	0.06	313.5	6.1	319.7
R42	2 922.1	12/08/2021 07:00	292.2	0.91	12.54	0.74	0.07	0.07	475.8	30.8	506.6
R43	1 624.2	14/05/2021 07:00	162.4	0.61	< 0.1	0.635	0.1	0.11	316.1	10.2	326.4
R44	2 095.7	10/02/2021 18:00	209.6	2.15	15.26	0.67	0.1	0.05	307.1	12.3	319.4
R45	1 996.5	10/02/2021 18:00	199.7	2.15	15.26	0.67	0.1	0.06	314.4	12.3	326.7
R46	2 019.3	21/12/2021 23:00	201.9	2.45	37.61	0.74	0.1	0.08	338.8	10.2	349.1
R47	2 798.4	29/04/2021 07:00	279.8	0.34	< 0.1	0.635	0.1	0.05	416.3	8.2	424.5
R48	3 779.2	20/12/2021 05:00	377.9	0.77	37.61	0.74	0.1	0.07	607.2	10.2	617.5
R49	2 684.2	25/09/2021 06:00	268.4	0.53	4.36	0.635	0.1	0.09	489.1	12.3	501.4
R50	1 734.6	02/03/2021 06:00	173.5	0.83	2.18	0.635	0.1	0.09	316.2	8.2	324.4
R51	1 421.5	13/02/2021 18:00	142.2	1.29	16.35	0.67	0.1	0.11	285.1	2.0	287.2
R52	1 423.3	25/09/2021 06:00	142.3	0.53	4.36	0.635	0.1	0.16	343.8	12.3	356.1
R53	1 442.5	13/02/2021 18:00	144.2	1.29	16.35	0.67	0.1	0.14	323.6	2.0	325.7
R54	1 004.5	02/02/2021 18:00	100.5	2.02	18.53	0.67	0.1	0.15	239.3	6.1	245.4
R55	1 137.7	13/02/2021 18:00	113.8	1.29	16.35	0.67	0.1	0.16	272.6	2.0	274.6
R56	1 118.7	14/09/2021 06:00	111.9	2.12	25.07	0.74	0.1	0.19	303.1	2.0	305.2
R57	1 188.1	17/02/2021 06:00	118.8	1.15	3.27	0.67	0.1	0.13	258.8	8.2	267.0
R58	1 043.3	30/03/2021 17:00	104.3	2.34	23.98	0.74	0.1	0.15	244.6	6.1	250.8
R59	1 149.4	16/11/2021 18:00	114.9	2.27	27.25	0.74	0.1	0.13	254.0	6.1	260.1
R60	862.2	18/01/2021 18:00	86.2	2.27	49.05	0.81	0.15	0.21	248.9	6.1	255.0
R61	1 126.6	03/01/2021 06:00	112.7	< 0.1	2.18	0.67	0.1	0.12	229.7	4.1	233.8
R62	1 449.2	18/12/2021 05:00	144.9	1.03	37.61	0.74	0.1	0.13	309.8	10.2	320.1
R63	1 629.5	20/04/2021 07:00	163.0	< 0.1	< 0.1	0.635	0.1	0.10	307.5	4.1	311.6
R64	908.2	02/09/2021 17:00	90.8	1.59	34.88	0.8	0.1	0.18	238.6	10.2	248.8
R65	898.8	15/11/2021 04:00	89.9	2.57	22.89	0.74	0.1	0.23	278.0	2.0	280.0
R66	908.0	15/10/2021 18:00	90.8	2.97	26.16	0.74	0.1	0.22	272.5	4.1	276.6
R67	853.5	17/07/2021 04:00	85.4	2.95	31.61	0.87	0.07	0.18	221.0	2.0	223.1
R68	883.6	28/07/2021 17:00	88.4	4.19	30.52	0.87	0.07	0.15	205.5	4.1	209.6

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	799.4	20/04/2021 07:00	79.9	< 0.1	< 0.1	0.635	0.1	0.14	182.0	4.1	186.1
R70	1 233.0	09/04/2021 07:00	123.3	0.45	< 0.1	0.635	0.1	0.11	250.7	6.1	256.8
R71	1 879.0	07/10/2021 06:00	187.9	0.55	< 0.1	0.635	0.1	0.07	303.0	24.6	327.6
R72	1 913.2	07/10/2021 06:00	191.3	0.55	< 0.1	0.635	0.1	0.08	326.0	24.6	350.6
R73	2 938.4	16/06/2021 08:00	293.8	0.19	< 0.1	0.49	0.05	0.02	353.6	10.2	363.9
R74	1 045.3	15/11/2021 04:00	104.5	2.57	22.89	0.74	0.1	0.15	242.3	2.0	244.4
R75	787.1	13/11/2021 22:00	78.7	2.01	20.71	0.74	0.1	0.22	231.5	2.0	233.6
R76	642.3	05/10/2021 21:00	64.2	1.45	31.61	0.8	0.1	0.24	203.1	< 0.1	203.1
R77	1 066.4	02/12/2021 18:00	106.6	1.73	42.51	0.81	0.15	0.19	287.4	10.2	297.7
R78	1 489.6	03/01/2021 06:00	149.0	< 0.1	2.18	0.67	0.1	0.11	295.4	4.1	299.5
R79	1 112.7	03/01/2021 06:00	111.3	< 0.1	2.18	0.67	0.1	0.13	239.2	4.1	243.3
R80	764.2	19/12/2021 05:00	76.4	0.64	37.61	0.74	0.1	0.20	213.5	10.2	223.8
R81	1 242.5	19/02/2021 18:00	124.2	2.10	14.17	0.67	0.1	0.14	277.7	6.1	283.9
R82	1 226.3	14/12/2021 18:00	122.6	1.85	22.35	0.67	0.1	0.14	273.6	16.4	290.0
R83	1 124.4	28/03/2021 17:00	112.4	2.05	32.70	0.8	0.1	0.18	291.9	4.1	296.0
R84	1 204.0	16/11/2021 18:00	120.4	2.27	27.25	0.74	0.1	0.16	289.0	6.1	295.1
R85	1 419.8	03/01/2021 06:00	142.0	< 0.1	2.18	0.67	0.1	0.13	310.4	4.1	314.5
R86	1 386.0	01/05/2021 07:00	138.6	0.18	< 0.1	0.635	0.1	0.12	283.7	4.1	287.8
R87	868.1	02/12/2021 18:00	86.8	1.73	42.51	0.81	0.15	0.24	275.7	10.2	286.0
R88	1 101.1	05/02/2021 18:00	110.1	1.75	17.44	0.67	0.1	0.14	251.5	10.2	261.8
R89	979.2	05/02/2021 18:00	97.9	1.75	17.44	0.67	0.1	0.15	233.5	10.2	243.8
R90	649.5	27/09/2021 18:00	64.9	1.24	31.61	0.8	0.1	0.22	193.6	12.3	205.9
R91	750.5	02/12/2021 18:00	75.0	1.73	42.51	0.81	0.15	0.27	256.4	10.2	266.7
R92	905.3	05/02/2021 18:00	90.5	1.75	17.44	0.67	0.1	0.17	227.6	10.2	237.9
R93	997.9	03/02/2021 18:00	99.8	2.28	19.62	0.67	0.1	0.15	232.6	12.3	244.9
R94	1 146.1	03/01/2021 06:00	114.6	< 0.1	2.18	0.67	0.1	0.16	275.7	4.1	279.8
R95	925.3	03/01/2021 06:00	92.5	< 0.1	2.18	0.67	0.1	0.17	236.4	4.1	240.5
R96	1 051.3	25/09/2021 06:00	105.1	0.53	4.36	0.635	0.1	0.18	275.8	12.3	288.1
R97	812.8	25/09/2021 06:00	81.3	0.53	4.36	0.635	0.1	0.19	221.4	12.3	233.7
R98	873.8	02/03/2021 06:00	87.4	0.83	2.18	0.635	0.1	0.20	244.3	8.2	252.5
R99	1 013.6	16/12/2021 05:00	101.4	1.29	37.61	0.74	0.1	0.20	287.6	10.2	297.9
R100	860.2	02/01/2021 05:00	86.0	1.04	6.54	0.67	0.1	0.17	221.1	< 0.1	221.1
R101	740.2	02/03/2021 06:00	74.0	0.83	2.18	0.635	0.1	0.21	215.4	8.2	223.6
R102	877.3	10/03/2021 06:00	87.7	0.99	7.63	0.635	0.1	0.19	234.5	4.1	238.6
R103	784.4	14/03/2021 06:00	78.4	3.04	21.80	0.74	0.1	0.24	247.1	2.0	249.1
R104	616.9	02/02/2021 18:00	61.7	2.02	18.53	0.67	0.1	0.24	193.0	6.1	199.2

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	469.9	18/10/2021 06:00	47.0	0.40	1.09	0.635	0.1	0.19	129.4	4.1	133.5
R106	664.7	28/07/2021 17:00	66.5	4.19	30.52	0.87	0.07	0.20	183.7	4.1	187.8
R107	724.9	24/07/2021 19:00	72.5	2.50	28.34	0.83	0.07	0.18	188.7	4.1	192.8
R108	881.5	12/11/2021 19:00	88.1	2.25	27.25	0.74	0.1	0.25	286.4	2.0	288.5
R109	805.0	13/11/2021 23:00	80.5	1.87	25.07	0.74	0.1	0.26	266.6	2.0	268.7
R110	677.0	25/07/2021 17:00	67.7	3.06	32.70	0.87	0.07	0.27	229.2	< 0.1	229.2
R111	711.4	13/11/2021 01:00	71.1	3.42	21.80	0.74	0.1	0.24	226.8	2.0	228.8
R112	765.0	15/11/2021 03:00	76.5	2.50	22.89	0.74	0.1	0.28	265.9	2.0	267.9
R113	709.5	19/09/2021 18:00	70.9	2.00	32.70	0.8	0.1	0.31	269.6	2.0	271.6
R114	511.0	13/11/2021 00:00	51.1	3.36	21.80	0.74	0.1	0.29	185.4	4.1	189.5
R115	647.4	09/09/2021 21:00	64.7	1.64	35.97	0.8	0.1	0.28	229.2	6.1	235.3
R116	392.1	19/12/2021 20:00	39.2	2.07	37.61	0.74	0.1	0.27	135.4	10.2	145.7
R117	535.5	09/09/2021 22:00	53.6	0.59	34.88	0.8	0.1	0.34	217.3	6.1	223.5
R118	632.8	12/11/2021 18:00	63.3	1.86	29.43	0.74	0.1	0.32	247.5	6.1	253.7
R119	835.5	17/07/2021 03:00	83.6	3.78	31.61	0.87	0.07	0.17	211.9	< 0.1	211.9
R120	737.1	15/11/2021 04:00	73.7	2.57	22.89	0.74	0.1	0.33	289.9	2.0	291.9
R121	665.0	16/08/2021 23:00	66.5	3.02	33.79	0.87	0.07	0.22	196.5	< 0.1	196.5
R122	666.6	15/05/2021 19:00	66.7	2.02	27.25	0.74	0.1	0.26	222.3	< 0.1	222.3
R123	653.5	15/05/2021 18:00	65.3	2.38	27.25	0.74	0.1	0.29	233.9	< 0.1	233.9
R124	538.8	05/10/2021 19:00	53.9	2.48	32.70	0.8	0.1	0.33	212.1	< 0.1	212.1
R125	697.1	04/06/2021 17:00	69.7	1.52	25.07	0.83	0.07	0.25	224.0	< 0.1	224.0
R126	522.6	05/10/2021 20:00	52.3	2.56	31.61	0.8	0.1	0.36	222.6	< 0.1	222.6
R127	1 372.5	02/03/2021 06:00	137.3	0.83	2.18	0.635	0.1	0.12	289.8	8.2	298.0
R128	2 041.2	25/09/2021 06:00	204.1	0.53	4.36	0.635	0.1	0.12	432.4	12.3	444.7

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	48.3	11.1	59.4	04/05/2021	12.1	54.9	67.0
21/11/2021	42.0	6.6	48.6	19/01/2021	30.0	30.0	60.0
27/12/2021	41.7	11.2	52.9	27/01/2021	48.3	11.1	59.4
27/11/2021	39.4	16.4	55.8	27/11/2021	39.4	16.4	55.8
26/11/2021	38.9	6.4	45.3	05/03/2021	22.5	32.7	55.2
31/01/2021	36.9	17.5	54.4	31/01/2021	36.9	17.5	54.4
15/02/2021	36.9	12.6	49.5	02/03/2021	19.4	33.8	53.2
07/01/2021	35.8	11.0	46.8	27/12/2021	41.7	11.2	52.9
28/12/2021	35.6	10.1	45.7	29/04/2021	15.6	36.0	51.6
11/10/2021	34.6	7.5	42.1	04/12/2021	31.7	19.4	51.1

Highest incremental PM ₁₀ impact – Receptor R4				Highest cumulative PM ₁₀ impact – Receptor R9			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/08/2021	43.2	7.8	51.0	04/05/2021	8.4	54.9	63.3
27/05/2021	42.7	9.3	52.0	19/01/2021	18.0	30.0	48.0
25/08/2021	40.5	5.4	45.9	20/04/2021	< 0.1	46.2	46.2
14/05/2021	38.3	9.5	47.8	05/03/2021	10.9	32.7	43.6
05/07/2021	35.8	10.9	46.7	02/03/2021	8.6	33.8	42.4
18/07/2021	34.1	5.7	39.8	29/04/2021	5.2	36.0	41.2
16/01/2021	32.7	25.0	57.7	06/03/2021	12.3	25.7	38.0
06/08/2021	32.0	15.4	47.4	10/09/2021	2.0	35.5	37.5
04/06/2021	31.6	8.8	40.4	04/12/2021	18.0	19.4	37.4
10/12/2021	30.9	7.0	37.9	28/10/2021	0.4	36.6	37.0

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/05/2021	42.6	9.3	51.9	04/05/2021	8.0	54.9	62.9
05/08/2021	42.6	7.8	50.4	02/03/2021	16.5	33.8	50.3
25/08/2021	40.2	5.4	45.6	05/03/2021	16.4	32.7	49.1
05/07/2021	37.0	10.9	47.9	16/04/2021	17.8	29.9	47.7
14/05/2021	36.8	9.5	46.3	19/01/2021	17.4	30.0	47.4
19/06/2021	34.4	7.6	42.0	19/03/2021	33.3	13.8	47.1
16/01/2021	33.6	25.0	58.6	06/03/2021	20.9	25.7	46.6
10/12/2021	33.5	7.0	40.5	20/04/2021	< 0.1	46.2	46.2
04/06/2021	33.1	8.8	41.9	09/02/2021	25.9	19.8	45.7
06/08/2021	32.1	15.4	47.5	28/01/2021	27.6	16.0	43.6

Highest incremental PM ₁₀ impact – Receptor R3				Highest cumulative PM ₁₀ impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/05/2021	36.9	9.3	46.2	04/05/2021	7.5	54.9	62.4
19/06/2021	34.5	7.6	42.1	23/04/2021	28.5	29.9	58.4
05/08/2021	34.5	7.8	42.3	16/01/2021	29.5	25.0	54.5
25/08/2021	33.7	5.4	39.1	02/03/2021	13.8	33.8	47.6
05/07/2021	33.4	10.9	44.3	20/04/2021	< 0.1	46.2	46.2
29/05/2021	31.7	9.3	41.0	27/05/2021	36.9	9.3	46.2
10/12/2021	31.7	7.0	38.7	05/03/2021	12.7	32.7	45.4
04/06/2021	29.7	8.8	38.5	29/04/2021	9.2	36.0	45.2
16/01/2021	29.5	25.0	54.5	15/04/2021	19.2	25.3	44.5
28/05/2021	29.2	14.3	43.5	05/07/2021	33.4	10.9	44.3

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	33.3	13.8	47.1	04/05/2021	7.5	54.9	62.4
18/03/2021	28.9	9.1	38.0	23/04/2021	31.4	29.9	61.3
28/01/2021	27.6	16.0	43.6	16/01/2021	33.6	25.0	58.6
17/02/2021	26.7	14.1	40.8	27/05/2021	42.6	9.3	51.9
17/03/2021	26.2	13.5	39.7	05/08/2021	42.6	7.8	50.4
09/02/2021	25.9	19.8	45.7	05/07/2021	37.0	10.9	47.9
11/11/2021	24.1	14.5	38.6	06/08/2021	32.1	15.4	47.5
16/02/2021	23.8	9.9	33.7	15/04/2021	22.1	25.3	47.4
20/03/2021	23.4	9.9	33.3	02/03/2021	13.5	33.8	47.3
01/01/2021	22.2	12.1	34.3	15/01/2021	15.2	31.5	46.7

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/03/2021	33.2	5.9	39.1	04/05/2021	6.9	54.9	61.8
02/11/2021	24.5	19.1	43.6	23/04/2021	30.0	29.9	59.9
20/02/2021	23.8	11.4	35.2	16/01/2021	32.7	25.0	57.7
21/03/2021	23.2	12.3	35.5	27/05/2021	42.7	9.3	52.0
29/01/2021	23.0	8.2	31.2	05/08/2021	43.2	7.8	51.0
19/02/2021	21.9	13.4	35.3	14/05/2021	38.3	9.5	47.8
10/03/2021	20.9	21.1	42.0	06/08/2021	32.0	15.4	47.4
02/12/2021	20.7	15.0	35.7	05/07/2021	35.8	10.9	46.7
17/11/2021	19.9	21.5	41.4	15/01/2021	15.1	31.5	46.6
10/01/2021	19.0	10.2	29.2	15/04/2021	21.0	25.3	46.3

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R47			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
11/11/2021	29.9	14.5	44.4	04/05/2021	5.5	54.9	60.4
17/03/2021	28.3	13.5	41.8	20/04/2021	< 0.1	46.2	46.2
18/03/2021	26.3	9.1	35.4	29/04/2021	3.9	36.0	39.9
20/03/2021	23.7	9.9	33.6	19/01/2021	8.9	30.0	38.9
19/03/2021	23.0	13.8	36.8	02/03/2021	3.6	33.8	37.4
22/12/2021	22.0	15.1	37.1	05/03/2021	4.7	32.7	37.4
18/02/2021	20.6	13.9	34.5	28/10/2021	0.1	36.6	36.7
21/12/2021	20.6	15.9	36.6	10/09/2021	0.9	35.5	36.4
21/02/2021	20.0	9.1	29.1	27/04/2021	0.9	35.4	36.3
28/01/2021	20.0	16.0	36.0	18/01/2021	0.3	35.8	36.1

Highest incremental PM ₁₀ impact – Receptor R6				Highest cumulative PM ₁₀ impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
18/07/2021	27.8	5.7	33.5	04/05/2021	5.3	54.9	60.2
14/05/2021	26.4	9.5	35.9	23/04/2021	21.3	29.9	51.2
05/10/2021	25.1	14.0	39.1	20/04/2021	< 0.1	46.2	46.2
11/04/2021	22.5	9.5	32.0	16/01/2021	20.7	25.0	45.7
05/08/2021	22.2	7.8	30.0	02/03/2021	8.1	33.8	41.9
04/08/2021	21.6	5.6	27.2	29/04/2021	5.3	36.0	41.3
16/10/2021	18.8	7.1	25.9	05/03/2021	8.2	32.7	40.9
18/06/2021	17.7	7.0	24.7	27/04/2021	4.4	35.4	39.8
03/10/2021	17.4	7.7	25.1	15/01/2021	7.9	31.5	39.4
25/08/2021	16.9	5.4	22.3	18/01/2021	3.2	35.8	39.0

Highest incremental PM ₁₀ impact – Receptor R5				Highest cumulative PM ₁₀ impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/05/2021	27.3	9.3	36.6	04/05/2021	5.2	54.9	60.1
05/07/2021	24.4	10.9	35.3	27/04/2021	14.1	35.4	49.5
25/08/2021	23.2	5.4	28.6	03/12/2021	17.8	28.9	46.7
10/12/2021	22.4	7.0	29.4	20/04/2021	< 0.1	46.2	46.2
05/08/2021	22.3	7.8	30.1	10/09/2021	9.5	35.5	45.0
19/06/2021	22.1	7.6	29.7	11/11/2021	29.9	14.5	44.4
04/06/2021	21.6	8.8	30.4	05/04/2021	17.9	25.8	43.7
23/04/2021	21.3	29.9	51.2	02/03/2021	9.7	33.8	43.5
16/01/2021	20.7	25.0	45.7	16/04/2021	13.4	29.9	43.3
29/05/2021	20.4	9.3	29.7	06/03/2021	17.2	25.7	42.9

Highest incremental PM ₁₀ impact – Receptor R13				Highest cumulative PM ₁₀ impact – Receptor R48			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
03/11/2021	25.4	17.8	43.2	04/05/2021	4.4	54.9	59.3
05/02/2021	25.3	20.5	45.8	20/04/2021	< 0.1	46.2	46.2
17/12/2021	24.7	19.2	43.9	29/04/2021	5.1	36.0	41.1
13/01/2021	23.0	19.0	42.0	27/04/2021	3.6	35.4	39.0
11/01/2021	20.4	14.1	34.5	02/03/2021	5.1	33.8	38.9
08/10/2021	19.6	30.5	50.1	27/11/2021	21.8	16.4	38.2
18/12/2021	18.9	18.4	37.2	05/03/2021	5.5	32.7	38.2
19/08/2021	18.8	28.2	47.0	19/01/2021	7.6	30.0	37.6
04/02/2021	18.4	24.2	42.6	28/10/2021	< 0.1	36.6	36.7
30/12/2021	17.9	9.5	27.4	07/10/2021	5.9	30.5	36.4

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	48.3	7.0	55.3	27/01/2021	48.3	7.0	55.3
21/11/2021	42.0	1.9	43.9	04/05/2021	12.1	40.3	52.4
27/12/2021	41.7	2.0	43.7	27/11/2021	39.4	6.0	45.4
27/11/2021	39.4	6.0	45.4	31/01/2021	36.9	8.1	45.0
26/11/2021	38.9	1.9	40.8	21/11/2021	42.0	1.9	43.9
31/01/2021	36.9	8.1	45.0	19/01/2021	30.0	13.8	43.8
15/02/2021	36.9	4.7	41.6	27/12/2021	41.7	2.0	43.7
07/01/2021	35.8	2.7	38.5	15/02/2021	36.9	4.7	41.6
28/12/2021	35.6	1.2	36.8	26/11/2021	38.9	1.9	40.8
11/10/2021	34.6	3.5	38.1	04/12/2021	31.7	7.5	39.2

Highest incremental PM _{2.5} impact – Receptor R4				Highest cumulative PM _{2.5} impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/08/2021	43.2	4.7	47.9	23/04/2021	31.4	19.5	50.9
27/05/2021	42.7	2.4	45.1	04/05/2021	7.5	40.3	47.8
25/08/2021	40.5	2.9	43.4	05/08/2021	42.6	4.7	47.3
14/05/2021	38.3	3.8	42.1	27/05/2021	42.6	2.4	45.0
05/07/2021	35.8	6.2	42.0	05/07/2021	37.0	6.2	43.2
18/07/2021	34.1	1.6	35.7	25/08/2021	40.2	2.9	43.1
16/01/2021	32.7	9.4	42.1	16/01/2021	33.6	9.4	43.0
06/08/2021	32.0	6.2	38.2	14/05/2021	36.8	3.8	40.6
04/06/2021	31.6	5.7	37.3	04/06/2021	33.1	5.7	38.8
10/12/2021	30.9	2.7	33.6	06/08/2021	32.1	6.2	38.3

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/05/2021	42.6	2.4	45.0	23/04/2021	30.0	19.5	49.5
05/08/2021	42.6	4.7	47.3	05/08/2021	43.2	4.7	47.9
25/08/2021	40.2	2.9	43.1	04/05/2021	6.9	40.3	47.2
05/07/2021	37.0	6.2	43.2	27/05/2021	42.7	2.4	45.1
14/05/2021	36.8	3.8	40.6	25/08/2021	40.5	2.9	43.4
19/06/2021	34.4	2.4	36.8	16/01/2021	32.7	9.4	42.1
16/01/2021	33.6	9.4	43.0	14/05/2021	38.3	3.8	42.1
10/12/2021	33.5	2.7	36.2	05/07/2021	35.8	6.2	42.0
04/06/2021	33.1	5.7	38.8	06/08/2021	32.0	6.2	38.2
06/08/2021	32.1	6.2	38.3	04/06/2021	31.6	5.7	37.3

Highest incremental PM _{2.5} impact – Receptor R3				Highest cumulative PM _{2.5} impact – Receptor R9			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/05/2021	36.9	2.4	39.3	04/05/2021	8.4	40.3	48.7
19/06/2021	34.5	2.4	36.9	19/01/2021	18.0	13.8	31.8
05/08/2021	34.5	4.7	39.2	29/04/2021	5.2	21.8	27.0
25/08/2021	33.7	2.9	36.6	31/01/2021	18.4	8.1	26.5
05/07/2021	33.4	6.2	39.6	04/12/2021	18.0	7.5	25.5
29/05/2021	31.7	3.4	35.1	28/12/2021	23.9	1.2	25.1
10/12/2021	31.7	2.7	34.4	01/01/2021	22.2	1.7	23.9
04/06/2021	29.7	5.7	35.4	10/10/2021	6.1	16.9	23.0
16/01/2021	29.5	9.4	38.9	09/02/2021	14.2	8.3	22.5
28/05/2021	29.2	4.9	34.1	14/02/2021	14.8	7.5	22.3

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	33.3	2.9	36.2	04/05/2021	8.0	40.3	48.3
18/03/2021	28.9	2.5	31.4	19/03/2021	33.3	2.9	36.2
28/01/2021	27.6	8.3	35.9	28/01/2021	27.6	8.3	35.9
17/02/2021	26.7	4.8	31.5	09/02/2021	25.9	8.3	34.2
17/03/2021	26.2	3.3	29.5	17/02/2021	26.7	4.8	31.5
09/02/2021	25.9	8.3	34.2	18/03/2021	28.9	2.5	31.4
11/11/2021	24.1	3.6	27.7	19/01/2021	17.4	13.8	31.2
16/02/2021	23.8	5.7	29.5	16/02/2021	23.8	5.7	29.5
20/03/2021	23.4	1.5	24.9	17/03/2021	26.2	3.3	29.5
01/01/2021	22.2	1.7	23.9	20/11/2021	20.6	8.0	28.6

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/03/2021	33.2	2.4	35.6	23/04/2021	28.5	19.5	48.0
02/11/2021	24.5	3.5	28.0	04/05/2021	7.5	40.3	47.8
20/02/2021	23.8	2.0	25.8	05/07/2021	33.4	6.2	39.6
21/03/2021	23.2	4.9	28.1	27/05/2021	36.9	2.4	39.3
29/01/2021	23.0	4.3	27.3	05/08/2021	34.5	4.7	39.2
19/02/2021	21.9	2.9	24.8	16/01/2021	29.5	9.4	38.9
10/03/2021	20.9	4.9	25.8	19/06/2021	34.5	2.4	36.9
02/12/2021	20.7	3.9	24.6	25/08/2021	33.7	2.9	36.6
17/11/2021	19.9	4.5	24.4	04/06/2021	29.7	5.7	35.4
10/01/2021	19.0	2.7	21.7	29/05/2021	31.7	3.4	35.1

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R47			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
11/11/2021	29.9	3.6	33.5	04/05/2021	5.5	40.3	45.8
17/03/2021	28.3	3.3	31.6	29/04/2021	3.9	21.8	25.7
18/03/2021	26.3	2.5	28.8	27/01/2021	17.8	7.0	24.8
20/03/2021	23.7	1.5	25.2	31/01/2021	16.1	8.1	24.2
19/03/2021	23.0	2.9	25.9	19/01/2021	8.9	13.8	22.7
22/12/2021	22.0	4.4	26.4	21/11/2021	19.5	1.9	21.4
18/02/2021	20.6	3.9	24.5	04/12/2021	13.6	7.5	21.1
21/12/2021	20.6	3.7	24.3	10/10/2021	3.6	16.9	20.5
21/02/2021	20.0	1.2	21.2	23/04/2021	0.1	19.5	19.6
28/01/2021	20.0	8.3	28.3	20/08/2021	< 0.1	19.2	19.2

Highest incremental PM _{2.5} impact – Receptor R6				Highest cumulative PM _{2.5} impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
18/07/2021	27.8	1.6	29.4	04/05/2021	5.3	40.3	45.6
14/05/2021	26.4	3.8	30.2	23/04/2021	21.3	19.5	40.8
05/10/2021	25.1	3.8	28.9	05/07/2021	24.4	6.2	30.6
11/04/2021	22.5	3.8	26.3	16/01/2021	20.7	9.4	30.1
05/08/2021	22.2	4.7	26.9	27/05/2021	27.3	2.4	29.7
04/08/2021	21.6	1.8	23.4	27/06/2021	18.4	9.6	28.0
16/10/2021	18.8	1.9	20.7	04/06/2021	21.6	5.7	27.3
18/06/2021	17.7	1.4	19.1	29/04/2021	5.3	21.8	27.1
03/10/2021	17.4	3.8	21.2	05/08/2021	22.3	4.7	27.0
25/08/2021	16.9	2.9	19.8	25/08/2021	23.2	2.9	26.1

Highest incremental PM _{2.5} impact – Receptor R5				Highest cumulative PM _{2.5} impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/05/2021	27.3	2.4	29.7	04/05/2021	5.2	40.3	45.5
05/07/2021	24.4	6.2	30.6	11/11/2021	29.9	3.6	33.5
25/08/2021	23.2	2.9	26.1	17/03/2021	28.3	3.3	31.6
10/12/2021	22.4	2.7	25.1	18/03/2021	26.3	2.5	28.8
05/08/2021	22.3	4.7	27.0	28/01/2021	20.0	8.3	28.3
19/06/2021	22.1	2.4	24.5	05/04/2021	17.9	10.2	28.1
04/06/2021	21.6	5.7	27.3	22/12/2021	22.0	4.4	26.4
23/04/2021	21.3	19.5	40.8	09/02/2021	18.0	8.3	26.3
16/01/2021	20.7	9.4	30.1	19/03/2021	23.0	2.9	25.9
29/05/2021	20.4	3.4	23.8	26/02/2021	19.5	6.4	25.9

Highest incremental PM _{2.5} impact – Receptor R13				Highest cumulative PM _{2.5} impact – Receptor R48			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
03/11/2021	25.4	2.7	28.1	04/05/2021	4.4	40.3	44.7
05/02/2021	25.3	7.4	32.7	27/11/2021	21.8	6.0	27.8
17/12/2021	24.7	5.1	29.8	29/04/2021	5.1	21.8	26.9
13/01/2021	23.0	3.3	26.3	05/05/2021	18.9	7.8	26.7
11/01/2021	20.4	3.7	24.1	26/11/2021	21.5	1.9	23.4
08/10/2021	19.6	7.4	27.0	19/01/2021	7.6	13.8	21.4
18/12/2021	18.9	3.7	22.5	15/02/2021	16.2	4.7	20.9
19/08/2021	18.8	10.9	29.7	23/04/2021	0.9	19.5	20.4
04/02/2021	18.4	11.0	29.4	10/10/2021	2.7	16.9	19.6
30/12/2021	17.9	1.2	19.1	20/08/2021	< 0.1	19.2	19.2

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	48.3	48.3
R2	42.6	42.6
R3	36.9	36.9
R4	43.2	43.2
R5	27.3	27.3
R6	27.8	27.8
R7	24.9	24.9
R8	22.1	22.1
R9	23.9	23.9
R10	33.3	33.3
R11	29.9	29.9
R12	33.2	33.2
R13	25.4	25.4
R14	23.8	23.8
R15	19.8	19.8
R16	3.9	3.9
R17	3.7	3.7
R18	3.6	3.6
R19	7.4	7.4
R20	10.5	10.5
R21	9.5	9.5
R22	6.2	6.2
R23	4.5	4.5
R24	4.4	4.4
R25	4.3	4.3
R26	2.8	2.8
R27	2.3	2.3
R28	7.4	7.4
R29	6.3	6.3
R30	6.6	6.6
R31	6.9	6.9

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	4.1	4.1
R33	3.8	3.8
R34	3.9	3.9
R35	4.6	4.6
R36	3.7	3.7
R37	3.7	3.7
R38	9.4	9.4
R39	4.8	4.8
R40	13.1	13.1
R41	16.3	16.3
R42	16.7	16.7
R43	16.0	16.0
R44	24.4	24.4
R45	20.5	20.5
R46	12.3	12.3
R47	19.5	19.5
R48	21.8	21.8
R49	10.3	10.3
R50	15.8	15.8
R51	11.3	11.3
R52	8.5	8.5
R53	9.3	9.3
R54	5.3	5.3
R55	7.2	7.2
R56	8.3	8.3
R57	6.0	6.0
R58	7.4	7.4
R59	7.9	7.9
R60	5.6	5.6
R61	8.6	8.6
R62	4.3	4.3
R63	4.3	4.3
R64	3.5	3.5
R65	5.4	5.4
R66	4.6	4.6
R67	5.1	5.1

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	4.1	4.1
R69	2.8	2.8
R70	4.7	4.7
R71	11.6	11.6
R72	12.5	12.5
R73	15.7	15.7
R74	8.1	8.1
R75	5.2	5.2
R76	6.0	6.0
R77	4.7	4.7
R78	10.0	10.0
R79	7.3	7.3
R80	2.7	2.7
R81	6.6	6.6
R82	7.8	7.8
R83	4.9	4.9
R84	4.8	4.8
R85	7.4	7.4
R86	7.0	7.0
R87	3.6	3.6
R88	3.9	3.9
R89	3.3	3.3
R90	2.9	2.9
R91	3.2	3.2
R92	3.3	3.3
R93	5.7	5.7
R94	6.0	6.0
R95	5.2	5.2
R96	8.7	8.7
R97	5.1	5.1
R98	8.5	8.5
R99	7.1	7.1
R100	5.1	5.1
R101	6.3	6.3
R102	4.9	4.9
R103	5.2	5.2

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R104	2.9	2.9
R105	1.6	1.6
R106	2.8	2.8
R107	2.9	2.9
R108	3.8	3.8
R109	4.7	4.7
R110	4.1	4.1
R111	2.8	2.8
R112	4.5	4.5
R113	3.9	3.9
R114	1.3	1.3
R115	2.1	2.1
R116	1.6	1.6
R117	1.6	1.6
R118	3.1	3.1
R119	4.0	4.0
R120	3.7	3.7
R121	6.3	6.3
R122	6.9	6.9
R123	5.8	5.8
R124	3.8	3.8
R125	7.4	7.4
R126	3.5	3.5
R127	13.6	13.6
R128	12.5	12.5

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	3.6	0.5	4.1	2.7	0.4	3.1	0.6	< 0.1	0.6
R2	4.4	0.2	4.6	3.3	0.1	3.5	0.6	< 0.1	0.6
R3	3.7	0.2	3.9	2.8	0.1	2.9	0.5	< 0.1	0.5
R4	4.3	0.2	4.5	3.3	0.1	3.4	0.6	< 0.1	0.6
R5	2.0	0.2	2.2	1.5	0.1	1.6	0.4	< 0.1	0.4
R6	1.6	0.2	1.8	1.2	0.1	1.4	0.4	< 0.1	0.5
R7	1.0	0.8	1.8	0.7	0.6	1.4	0.3	< 0.1	0.3
R8	0.8	0.2	0.9	0.6	0.1	0.7	0.3	< 0.1	0.3
R9	1.5	0.5	2.0	1.2	0.4	1.5	0.4	< 0.1	0.4
R10	2.0	0.2	2.2	1.5	0.1	1.7	0.5	< 0.1	0.5
R11	1.6	0.2	1.7	1.2	0.1	1.3	0.5	< 0.1	0.5
R12	3.0	0.5	3.5	2.3	0.4	2.7	0.5	< 0.1	0.5
R13	2.9	0.5	3.4	2.2	0.4	2.6	0.5	0.2	0.7
R14	3.6	0.5	4.1	2.7	0.4	3.1	0.6	0.1	0.7
R15	1.5	0.5	2.0	1.2	0.4	1.5	0.3	< 0.1	0.3
R16	0.3	0.2	0.5	0.2	0.1	0.4	0.1	< 0.1	0.1
R17	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R18	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R19	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.1	< 0.1	0.2
R20	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.2	< 0.1	0.2
R21	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.2	< 0.1	0.2
R22	0.3	< 0.1	0.3	0.2	< 0.1	0.3	0.2	0.1	0.3
R23	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R24	0.2	< 0.1	0.2	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R25	0.2	< 0.1	0.2	0.2	< 0.1	0.2	0.1	< 0.1	0.2
R26	0.2	< 0.1	0.2	0.2	< 0.1	0.2	< 0.1	< 0.1	0.1
R27	0.2	< 0.1	0.2	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R28	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.2	0.1	0.3
R29	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.2	< 0.1	0.2
R30	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.2	< 0.1	0.2

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	0.5	< 0.1	0.5	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R32	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R33	0.2	< 0.1	0.2	0.2	< 0.1	0.2	0.1	< 0.1	0.2
R34	0.2	< 0.1	0.2	0.2	< 0.1	0.2	0.1	< 0.1	0.2
R35	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.2	< 0.1	0.2
R36	0.2	< 0.1	0.2	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R37	0.2	< 0.1	0.2	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R38	0.6	0.7	1.2	0.4	0.5	0.9	0.3	< 0.1	0.3
R39	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.1	< 0.1	0.1
R40	2.0	0.2	2.2	1.5	0.1	1.7	0.4	< 0.1	0.4
R41	0.9	0.7	1.5	0.7	0.5	1.2	0.4	< 0.1	0.4
R42	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.3	< 0.1	0.3
R43	0.6	0.3	0.9	0.4	0.2	0.7	0.3	< 0.1	0.3
R44	0.7	< 0.1	0.7	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R45	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R46	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R47	1.0	0.5	1.5	0.7	0.4	1.1	0.3	< 0.1	0.3
R48	1.3	0.2	1.5	1.0	0.1	1.1	0.4	< 0.1	0.4
R49	0.9	0.2	1.1	0.7	0.1	0.8	0.3	< 0.1	0.3
R50	0.6	0.3	0.9	0.5	0.2	0.7	0.3	< 0.1	0.3
R51	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R52	0.5	0.2	0.7	0.4	0.1	0.5	0.2	< 0.1	0.2
R53	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R54	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.1	< 0.1	0.1
R55	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R56	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.3
R57	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.1	< 0.1	0.1
R58	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R59	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R60	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.1	< 0.1	0.1
R61	0.4	0.2	0.6	0.3	0.1	0.4	0.2	< 0.1	0.2
R62	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.1	< 0.1	0.1
R63	0.6	0.3	0.9	0.4	0.2	0.7	0.2	< 0.1	0.2
R64	0.3	0.8	1.2	0.3	0.6	0.9	0.1	< 0.1	0.1
R65	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.2	< 0.1	0.2

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R67	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.2	< 0.1	0.2
R68	0.3	0.8	1.2	0.3	0.6	0.9	0.1	< 0.1	0.1
R69	0.3	0.3	0.6	0.2	0.2	0.5	< 0.1	< 0.1	< 0.1
R70	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.1	< 0.1	0.1
R71	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R72	0.7	0.3	1.0	0.5	0.2	0.8	0.2	0.2	0.4
R73	1.0	0.3	1.4	0.8	0.2	1.0	0.3	0.2	0.5
R74	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R75	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.2	< 0.1	0.2
R76	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R77	0.5	0.5	1.0	0.4	0.4	0.7	0.1	< 0.1	0.1
R78	0.5	0.2	0.7	0.4	0.1	0.5	0.2	< 0.1	0.2
R79	0.4	0.2	0.6	0.3	0.1	0.4	0.1	< 0.1	0.1
R80	0.3	< 0.1	0.3	0.2	< 0.1	0.2	< 0.1	0.4	0.5
R81	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.1	< 0.1	0.1
R82	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R83	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.1	0.2	0.3
R84	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.1	< 0.1	0.1
R85	0.5	0.2	0.7	0.4	0.1	0.5	0.2	< 0.1	0.2
R86	0.5	0.5	1.0	0.4	0.4	0.7	0.2	< 0.1	0.2
R87	0.3	0.8	1.2	0.3	0.6	0.9	0.1	< 0.1	0.1
R88	0.4	0.8	1.2	0.3	0.6	0.9	0.1	< 0.1	0.1
R89	0.4	0.8	1.2	0.3	0.6	0.9	0.1	< 0.1	0.1
R90	0.3	< 0.1	0.3	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.1
R91	0.3	0.8	1.1	0.2	0.6	0.8	0.1	< 0.1	0.1
R92	0.3	0.8	1.1	0.2	0.6	0.9	0.1	< 0.1	0.1
R93	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.1	< 0.1	0.1
R94	0.4	0.2	0.6	0.3	0.1	0.4	< 0.1	< 0.1	0.1
R95	0.3	0.2	0.5	0.2	0.1	0.4	< 0.1	< 0.1	< 0.1
R96	0.4	0.2	0.5	0.3	0.1	0.4	0.2	< 0.1	0.2
R97	0.3	0.2	0.5	0.2	0.1	0.3	0.1	< 0.1	0.2
R98	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.2	< 0.1	0.2
R99	0.4	0.2	0.5	0.3	0.1	0.4	0.2	0.1	0.3
R100	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.1	< 0.1	0.1

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	0.3	0.3	0.6	0.2	0.2	0.4	0.2	< 0.1	0.2
R102	0.3	0.2	0.5	0.2	0.1	0.4	0.1	< 0.1	0.2
R103	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.1	< 0.1	0.2
R104	0.2	< 0.1	0.2	0.2	< 0.1	0.2	< 0.1	< 0.1	0.1
R105	0.2	0.2	0.3	0.1	0.1	0.3	< 0.1	< 0.1	< 0.1
R106	0.2	< 0.1	0.2	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.1
R107	0.3	< 0.1	0.3	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.1
R108	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R109	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.2	< 0.1	0.2
R110	0.2	< 0.1	0.2	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R111	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R112	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R113	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R114	0.2	< 0.1	0.2	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R115	0.2	< 0.1	0.2	0.2	< 0.1	0.2	< 0.1	< 0.1	0.1
R116	0.1	< 0.1	0.1	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R117	0.2	< 0.1	0.2	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R118	0.2	0.2	0.4	0.2	0.1	0.3	< 0.1	< 0.1	< 0.1
R119	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.2	< 0.1	0.2
R120	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R121	0.2	< 0.1	0.2	0.2	< 0.1	0.2	0.1	< 0.1	0.2
R122	0.2	< 0.1	0.2	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R123	0.3	< 0.1	0.3	0.2	< 0.1	0.3	0.2	< 0.1	0.2
R124	0.2	< 0.1	0.2	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R125	0.2	0.2	0.4	0.2	0.1	0.3	0.1	0.1	0.3
R126	0.2	< 0.1	0.2	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R127	0.5	0.3	0.8	0.4	0.2	0.6	0.2	< 0.1	0.2
R128	0.7	0.2	0.9	0.5	0.1	0.7	0.3	< 0.1	0.3

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	3.4	2.9	6.3	0.6	0.2	0.9
R2	4.2	< 0.1	4.2	0.6	1.5	2.1
R3	3.5	< 0.1	3.5	0.5	1.5	2.0
R4	4.1	< 0.1	4.1	0.6	< 0.1	0.6
R5	1.9	< 0.1	1.9	0.4	1.5	1.9
R6	1.6	< 0.1	1.6	0.4	0.2	0.6
R7	0.9	2.9	3.8	0.3	1.5	1.9
R8	0.7	< 0.1	0.7	0.3	1.5	1.8
R9	1.4	2.9	4.3	0.3	0.2	0.6
R10	1.9	< 0.1	1.9	0.4	0.2	0.7
R11	1.5	< 0.1	1.5	0.4	< 0.1	0.4
R12	2.9	2.9	5.7	0.5	0.4	0.8
R13	2.8	2.9	5.6	0.3	1.9	2.3
R14	3.4	2.9	6.3	0.3	< 0.1	0.3
R15	1.5	2.9	4.3	0.3	0.6	0.9
R16	0.3	< 0.1	0.3	< 0.1	0.1	0.2
R17	0.2	< 0.1	0.2	< 0.1	1.1	1.1
R18	0.2	< 0.1	0.2	< 0.1	1.1	1.1
R19	0.4	< 0.1	0.4	0.1	0.2	0.4
R20	0.3	< 0.1	0.3	0.1	< 0.1	0.1
R21	0.3	< 0.1	0.3	0.1	< 0.1	0.1
R22	0.2	< 0.1	0.2	< 0.1	0.8	0.9
R23	0.3	< 0.1	0.3	< 0.1	0.2	0.3
R24	0.2	< 0.1	0.2	< 0.1	0.2	0.3
R25	0.2	< 0.1	0.2	< 0.1	0.2	0.3
R26	0.2	1.4	1.6	< 0.1	2.5	2.5
R27	0.2	2.9	3.0	< 0.1	0.6	0.6
R28	0.3	< 0.1	0.3	< 0.1	< 0.1	< 0.1
R29	0.3	< 0.1	0.3	< 0.1	< 0.1	< 0.1
R30	0.3	< 0.1	0.3	< 0.1	0.1	0.2

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	0.4	2.9	3.3	< 0.1	< 0.1	< 0.1
R32	0.3	1.4	1.7	< 0.1	< 0.1	< 0.1
R33	0.2	< 0.1	0.2	< 0.1	0.2	0.3
R34	0.2	< 0.1	0.2	< 0.1	0.2	0.3
R35	0.2	< 0.1	0.2	< 0.1	0.1	0.2
R36	0.2	< 0.1	0.2	< 0.1	1.1	1.1
R37	0.2	< 0.1	0.2	< 0.1	1.1	1.1
R38	0.5	2.9	3.4	0.1	0.4	0.5
R39	0.4	< 0.1	0.4	< 0.1	1.0	1.0
R40	1.9	< 0.1	1.9	0.2	0.6	0.8
R41	0.8	2.9	3.7	0.2	< 0.1	0.2
R42	1.0	< 0.1	1.0	0.2	< 0.1	0.2
R43	0.5	< 0.1	0.5	0.2	0.5	0.7
R44	0.7	< 0.1	0.7	0.3	< 0.1	0.3
R45	0.7	< 0.1	0.7	0.3	< 0.1	0.3
R46	0.7	< 0.1	0.7	0.2	< 0.1	0.2
R47	0.9	2.9	3.8	0.3	< 0.1	0.3
R48	1.3	2.9	4.1	0.3	< 0.1	0.3
R49	0.9	< 0.1	0.9	0.1	0.7	0.9
R50	0.6	2.9	3.4	0.2	< 0.1	0.2
R51	0.5	< 0.1	0.5	0.2	0.2	0.4
R52	0.5	< 0.1	0.5	0.1	0.7	0.8
R53	0.5	< 0.1	0.5	0.1	0.2	0.4
R54	0.3	1.4	1.8	< 0.1	< 0.1	< 0.1
R55	0.4	< 0.1	0.4	0.1	0.2	0.3
R56	0.4	< 0.1	0.4	0.1	0.1	0.2
R57	0.4	2.9	3.3	< 0.1	0.2	0.3
R58	0.4	< 0.1	0.4	0.1	0.2	0.4
R59	0.4	< 0.1	0.4	0.1	< 0.1	0.1
R60	0.4	< 0.1	0.4	< 0.1	0.4	0.4
R61	0.4	< 0.1	0.4	0.1	0.4	0.5
R62	0.5	2.9	3.3	< 0.1	1.2	1.3
R63	0.5	1.4	2.0	< 0.1	0.6	0.7
R64	0.3	2.9	3.2	< 0.1	1.3	1.4
R65	0.3	< 0.1	0.3	< 0.1	< 0.1	< 0.1

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	0.3	< 0.1	0.3	< 0.1	0.1	0.2
R67	0.3	< 0.1	0.3	< 0.1	0.4	0.4
R68	0.3	2.9	3.2	< 0.1	0.6	0.6
R69	0.3	1.4	1.7	< 0.1	0.6	0.6
R70	0.4	< 0.1	0.4	< 0.1	0.6	0.7
R71	0.6	< 0.1	0.6	0.2	0.1	0.3
R72	0.7	< 0.1	0.7	0.2	0.1	0.3
R73	1.0	< 0.1	1.0	0.2	8.2	8.4
R74	0.3	< 0.1	0.3	0.1	< 0.1	0.1
R75	0.3	< 0.1	0.3	< 0.1	< 0.1	< 0.1
R76	0.3	< 0.1	0.3	< 0.1	< 0.1	< 0.1
R77	0.5	2.9	3.3	< 0.1	0.4	0.4
R78	0.5	< 0.1	0.5	0.2	0.4	0.5
R79	0.4	< 0.1	0.4	0.1	0.4	0.5
R80	0.3	< 0.1	0.3	< 0.1	5.8	5.9
R81	0.4	< 0.1	0.4	< 0.1	< 0.1	< 0.1
R82	0.4	< 0.1	0.4	0.1	< 0.1	0.1
R83	0.4	< 0.1	0.4	< 0.1	0.1	0.2
R84	0.4	< 0.1	0.4	< 0.1	0.5	0.5
R85	0.5	< 0.1	0.5	0.1	0.4	0.5
R86	0.5	2.9	3.3	0.1	0.4	0.5
R87	0.3	2.9	3.2	< 0.1	1.2	1.2
R88	0.4	2.9	3.3	< 0.1	1.3	1.4
R89	0.4	2.9	3.2	< 0.1	1.3	1.4
R90	0.2	< 0.1	0.2	< 0.1	1.3	1.4
R91	0.3	2.9	3.1	< 0.1	1.2	1.2
R92	0.3	2.9	3.2	< 0.1	1.3	1.4
R93	0.3	1.4	1.8	< 0.1	0.4	0.5
R94	0.4	< 0.1	0.4	< 0.1	0.4	0.5
R95	0.3	< 0.1	0.3	< 0.1	0.4	0.4
R96	0.4	< 0.1	0.4	0.1	0.7	0.8
R97	0.3	< 0.1	0.3	< 0.1	0.8	0.9
R98	0.3	< 0.1	0.3	0.1	< 0.1	0.1
R99	0.3	2.9	3.2	< 0.1	0.8	0.9
R100	0.3	< 0.1	0.3	< 0.1	0.2	0.3

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	0.2	2.9	3.1	< 0.1	0.7	0.8
R102	0.3	2.9	3.2	< 0.1	0.2	0.3
R103	0.3	< 0.1	0.3	< 0.1	0.2	0.3
R104	0.2	1.4	1.6	< 0.1	2.5	2.5
R105	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.1
R106	0.2	2.9	3.1	< 0.1	0.6	0.6
R107	0.2	< 0.1	0.2	< 0.1	1.0	1.0
R108	0.3	< 0.1	0.3	< 0.1	0.4	0.4
R109	0.3	< 0.1	0.3	< 0.1	< 0.1	< 0.1
R110	0.2	< 0.1	0.2	< 0.1	0.4	0.4
R111	0.2	< 0.1	0.2	< 0.1	0.4	0.4
R112	0.3	< 0.1	0.3	< 0.1	1.1	1.1
R113	0.2	< 0.1	0.2	< 0.1	0.2	0.3
R114	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.1
R115	0.2	< 0.1	0.2	< 0.1	1.0	1.0
R116	0.1	5.7	5.9	< 0.1	1.8	1.8
R117	0.2	2.9	3.0	< 0.1	0.6	0.6
R118	0.2	< 0.1	0.2	< 0.1	0.1	0.2
R119	0.3	< 0.1	0.3	< 0.1	0.4	0.4
R120	0.2	< 0.1	0.2	< 0.1	1.1	1.1
R121	0.2	< 0.1	0.2	< 0.1	1.5	1.6
R122	0.2	< 0.1	0.2	< 0.1	0.5	0.6
R123	0.2	< 0.1	0.2	< 0.1	0.5	0.6
R124	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.1
R125	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.1
R126	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.1
R127	0.5	2.9	3.3	0.2	< 0.1	0.2
R128	0.7	< 0.1	0.7	0.2	0.7	0.9

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	1.19E-08	8.03E-04	2.89E-04	2.02E-04	8.15E-05
R2	1.04E-08	7.05E-04	2.54E-04	1.77E-04	7.16E-05
R3	9.37E-09	6.34E-04	2.28E-04	1.59E-04	6.44E-05
R4	8.83E-09	5.97E-04	2.15E-04	1.50E-04	6.07E-05
R5	7.74E-09	5.24E-04	1.88E-04	1.31E-04	5.32E-05
R6	6.24E-09	4.22E-04	1.52E-04	1.06E-04	4.28E-05
R7	5.47E-09	3.70E-04	1.33E-04	9.28E-05	3.75E-05
R8	5.58E-09	3.77E-04	1.36E-04	9.47E-05	3.83E-05
R9	6.70E-09	4.53E-04	1.63E-04	1.14E-04	4.60E-05
R10	8.13E-09	5.50E-04	1.98E-04	1.38E-04	5.59E-05
R11	8.24E-09	5.57E-04	2.01E-04	1.40E-04	5.66E-05
R12	9.34E-09	6.32E-04	2.27E-04	1.59E-04	6.42E-05
R13	8.49E-09	5.74E-04	2.07E-04	1.44E-04	5.83E-05
R14	8.67E-09	5.86E-04	2.11E-04	1.47E-04	5.95E-05
R15	6.31E-09	4.27E-04	1.54E-04	1.07E-04	4.33E-05
R16	2.03E-09	1.37E-04	4.95E-05	3.45E-05	1.40E-05
R17	1.61E-09	1.09E-04	3.92E-05	2.73E-05	1.11E-05
R18	1.59E-09	1.07E-04	3.86E-05	2.69E-05	1.09E-05
R19	2.70E-09	1.83E-04	6.57E-05	4.58E-05	1.85E-05
R20	2.62E-09	1.77E-04	6.38E-05	4.45E-05	1.80E-05
R21	2.36E-09	1.60E-04	5.75E-05	4.01E-05	1.62E-05
R22	2.19E-09	1.48E-04	5.32E-05	3.71E-05	1.50E-05
R23	1.94E-09	1.31E-04	4.72E-05	3.29E-05	1.33E-05
R24	1.86E-09	1.26E-04	4.53E-05	3.16E-05	1.28E-05
R25	1.92E-09	1.30E-04	4.68E-05	3.26E-05	1.32E-05
R26	1.58E-09	1.07E-04	3.85E-05	2.68E-05	1.09E-05
R27	1.06E-09	7.18E-05	2.58E-05	1.80E-05	7.29E-06
R28	2.52E-09	1.70E-04	6.13E-05	4.27E-05	1.73E-05
R29	2.56E-09	1.73E-04	6.24E-05	4.35E-05	1.76E-05
R30	2.39E-09	1.61E-04	5.81E-05	4.05E-05	1.64E-05
R31	3.00E-09	2.03E-04	7.31E-05	5.10E-05	2.06E-05
R32	2.10E-09	1.42E-04	5.12E-05	3.57E-05	1.44E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	1.78E-09	1.20E-04	4.33E-05	3.02E-05	1.22E-05
R34	1.83E-09	1.24E-04	4.45E-05	3.10E-05	1.26E-05
R35	2.12E-09	1.44E-04	5.17E-05	3.61E-05	1.46E-05
R36	1.57E-09	1.06E-04	3.82E-05	2.66E-05	1.08E-05
R37	1.58E-09	1.07E-04	3.83E-05	2.67E-05	1.08E-05
R38	4.56E-09	3.08E-04	1.11E-04	7.74E-05	3.13E-05
R39	2.79E-09	1.88E-04	6.78E-05	4.73E-05	1.91E-05
R40	6.52E-09	4.41E-04	1.59E-04	1.11E-04	4.48E-05
R41	5.26E-09	3.56E-04	1.28E-04	8.93E-05	3.61E-05
R42	4.76E-09	3.22E-04	1.16E-04	8.08E-05	3.27E-05
R43	3.95E-09	2.67E-04	9.62E-05	6.71E-05	2.71E-05
R44	6.04E-09	4.09E-04	1.47E-04	1.03E-04	4.15E-05
R45	5.33E-09	3.60E-04	1.30E-04	9.04E-05	3.66E-05
R46	4.64E-09	3.14E-04	1.13E-04	7.88E-05	3.19E-05
R47	5.74E-09	3.88E-04	1.40E-04	9.74E-05	3.94E-05
R48	6.64E-09	4.49E-04	1.62E-04	1.13E-04	4.56E-05
R49	4.84E-09	3.28E-04	1.18E-04	8.22E-05	3.33E-05
R50	4.40E-09	2.98E-04	1.07E-04	7.48E-05	3.02E-05
R51	3.49E-09	2.36E-04	8.49E-05	5.92E-05	2.40E-05
R52	2.92E-09	1.97E-04	7.10E-05	4.95E-05	2.00E-05
R53	3.16E-09	2.13E-04	7.68E-05	5.36E-05	2.17E-05
R54	2.56E-09	1.73E-04	6.22E-05	4.34E-05	1.76E-05
R55	3.01E-09	2.04E-04	7.34E-05	5.12E-05	2.07E-05
R56	3.00E-09	2.03E-04	7.29E-05	5.08E-05	2.06E-05
R57	2.71E-09	1.84E-04	6.61E-05	4.61E-05	1.86E-05
R58	2.89E-09	1.95E-04	7.03E-05	4.90E-05	1.98E-05
R59	3.15E-09	2.13E-04	7.67E-05	5.35E-05	2.17E-05
R60	2.86E-09	1.93E-04	6.96E-05	4.85E-05	1.96E-05
R61	2.95E-09	2.00E-04	7.19E-05	5.01E-05	2.03E-05
R62	3.00E-09	2.03E-04	7.31E-05	5.10E-05	2.06E-05
R63	2.83E-09	1.91E-04	6.88E-05	4.80E-05	1.94E-05
R64	2.42E-09	1.64E-04	5.90E-05	4.11E-05	1.66E-05
R65	2.56E-09	1.73E-04	6.23E-05	4.35E-05	1.76E-05
R66	2.55E-09	1.72E-04	6.21E-05	4.33E-05	1.75E-05
R67	2.41E-09	1.63E-04	5.87E-05	4.09E-05	1.66E-05
R68	1.66E-09	1.12E-04	4.03E-05	2.81E-05	1.14E-05
R69	1.92E-09	1.30E-04	4.67E-05	3.26E-05	1.32E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	2.34E-09	1.58E-04	5.70E-05	3.97E-05	1.61E-05
R71	3.65E-09	2.47E-04	8.88E-05	6.19E-05	2.51E-05
R72	4.03E-09	2.72E-04	9.80E-05	6.83E-05	2.77E-05
R73	4.83E-09	3.26E-04	1.18E-04	8.20E-05	3.32E-05
R74	3.00E-09	2.03E-04	7.29E-05	5.09E-05	2.06E-05
R75	2.22E-09	1.50E-04	5.41E-05	3.77E-05	1.53E-05
R76	2.15E-09	1.46E-04	5.25E-05	3.66E-05	1.48E-05
R77	3.03E-09	2.05E-04	7.37E-05	5.14E-05	2.08E-05
R78	2.81E-09	1.90E-04	6.85E-05	4.77E-05	1.93E-05
R79	2.72E-09	1.84E-04	6.63E-05	4.62E-05	1.87E-05
R80	1.92E-09	1.30E-04	4.67E-05	3.26E-05	1.32E-05
R81	2.59E-09	1.75E-04	6.30E-05	4.40E-05	1.78E-05
R82	2.92E-09	1.98E-04	7.11E-05	4.96E-05	2.01E-05
R83	3.10E-09	2.09E-04	7.54E-05	5.26E-05	2.13E-05
R84	2.99E-09	2.02E-04	7.28E-05	5.08E-05	2.05E-05
R85	2.60E-09	1.76E-04	6.32E-05	4.41E-05	1.78E-05
R86	2.70E-09	1.83E-04	6.58E-05	4.59E-05	1.86E-05
R87	2.55E-09	1.72E-04	6.21E-05	4.33E-05	1.75E-05
R88	2.76E-09	1.87E-04	6.72E-05	4.69E-05	1.90E-05
R89	2.53E-09	1.71E-04	6.16E-05	4.29E-05	1.74E-05
R90	2.03E-09	1.37E-04	4.94E-05	3.44E-05	1.39E-05
R91	2.29E-09	1.55E-04	5.58E-05	3.89E-05	1.57E-05
R92	2.27E-09	1.53E-04	5.52E-05	3.85E-05	1.56E-05
R93	2.68E-09	1.81E-04	6.52E-05	4.54E-05	1.84E-05
R94	2.20E-09	1.49E-04	5.35E-05	3.73E-05	1.51E-05
R95	2.12E-09	1.43E-04	5.15E-05	3.59E-05	1.45E-05
R96	2.62E-09	1.77E-04	6.39E-05	4.45E-05	1.80E-05
R97	2.17E-09	1.47E-04	5.28E-05	3.68E-05	1.49E-05
R98	2.45E-09	1.66E-04	5.96E-05	4.16E-05	1.68E-05
R99	2.45E-09	1.66E-04	5.96E-05	4.16E-05	1.68E-05
R100	2.55E-09	1.72E-04	6.21E-05	4.33E-05	1.75E-05
R101	2.06E-09	1.39E-04	5.02E-05	3.50E-05	1.42E-05
R102	2.24E-09	1.51E-04	5.44E-05	3.79E-05	1.54E-05
R103	2.03E-09	1.37E-04	4.94E-05	3.44E-05	1.39E-05
R104	1.64E-09	1.11E-04	3.98E-05	2.78E-05	1.12E-05
R105	1.10E-09	7.45E-05	2.68E-05	1.87E-05	7.56E-06
R106	1.55E-09	1.04E-04	3.76E-05	2.62E-05	1.06E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	1.77E-09	1.20E-04	4.31E-05	3.00E-05	1.22E-05
R108	2.20E-09	1.49E-04	5.36E-05	3.74E-05	1.51E-05
R109	2.13E-09	1.44E-04	5.19E-05	3.62E-05	1.46E-05
R110	1.74E-09	1.18E-04	4.24E-05	2.95E-05	1.20E-05
R111	2.03E-09	1.37E-04	4.94E-05	3.44E-05	1.39E-05
R112	1.88E-09	1.27E-04	4.57E-05	3.18E-05	1.29E-05
R113	2.00E-09	1.35E-04	4.88E-05	3.40E-05	1.38E-05
R114	1.36E-09	9.19E-05	3.31E-05	2.31E-05	9.33E-06
R115	1.32E-09	8.93E-05	3.22E-05	2.24E-05	9.07E-06
R116	9.45E-10	6.39E-05	2.30E-05	1.60E-05	6.49E-06
R117	1.10E-09	7.46E-05	2.68E-05	1.87E-05	7.57E-06
R118	1.58E-09	1.07E-04	3.84E-05	2.68E-05	1.08E-05
R119	2.35E-09	1.59E-04	5.72E-05	3.99E-05	1.61E-05
R120	1.72E-09	1.16E-04	4.19E-05	2.92E-05	1.18E-05
R121	2.09E-09	1.41E-04	5.09E-05	3.55E-05	1.44E-05
R122	2.11E-09	1.43E-04	5.13E-05	3.58E-05	1.45E-05
R123	2.16E-09	1.46E-04	5.27E-05	3.67E-05	1.49E-05
R124	1.50E-09	1.02E-04	3.66E-05	2.55E-05	1.03E-05
R125	2.05E-09	1.39E-04	4.99E-05	3.48E-05	1.41E-05
R126	1.23E-09	8.31E-05	2.99E-05	2.09E-05	8.44E-06
R127	3.36E-09	2.27E-04	8.17E-05	5.70E-05	2.31E-05
R128	3.40E-09	2.30E-04	8.28E-05	5.77E-05	2.34E-05
Max. at boundary	1.56E-08	1.06E-03	–	–	1.07E-04

Nitrogen dioxide (NO₂)

Maximum 1-hour concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.
Criterion			164
R1	2 422.7	8.2	2 430.9
R2	3 013.9	12.3	3 026.2
R3	2 603.0	12.3	2 615.3
R4	2 981.9	12.3	2 994.2
R5	1 555.7	12.3	1 568.0
R6	1 315.8	6.1	1 321.9
R7	862.0	6.1	868.2
R8	710.2	12.3	722.5
R9	1 165.1	12.3	1 177.4
R10	1 423.4	10.2	1 433.7
R11	1 077.3	10.2	1 087.6
R12	1 829.7	8.2	1 837.9
R13	1 759.9	8.2	1 768.1
R14	2 166.2	4.1	2 170.3
R15	995.0	4.1	999.1
R16	588.1	6.1	594.2
R17	612.2	2.0	614.2
R18	604.5	2.0	606.5
R19	605.1	2.0	607.2
R20	472.2	< 0.1	472.2
R21	456.0	< 0.1	456.0
R22	481.0	< 0.1	481.0
R23	488.6	2.0	490.7
R24	432.5	2.0	434.6
R25	444.4	2.0	446.4
R26	368.5	6.1	374.6
R27	328.7	4.1	332.8
R28	525.3	6.1	531.4
R29	563.2	2.0	565.3
R30	554.3	2.0	556.3

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R31	522.7	8.2	530.9
R32	469.6	6.1	475.8
R33	417.9	2.0	420.0
R34	433.5	2.0	435.6
R35	430.5	4.1	434.6
R36	568.6	2.0	570.7
R37	571.6	2.0	573.7
R38	596.5	10.2	606.8
R39	425.1	4.1	429.2
R40	1 340.0	34.9	1 374.9
R41	627.1	6.1	633.2
R42	951.7	30.8	982.4
R43	632.3	10.2	642.5
R44	614.2	12.3	626.5
R45	628.9	12.3	641.2
R46	677.7	10.2	687.9
R47	832.6	8.2	840.8
R48	1 214.5	10.2	1 224.7
R49	978.2	12.3	990.5
R50	632.4	8.2	640.6
R51	570.3	2.0	572.3
R52	687.6	12.3	699.9
R53	647.2	2.0	649.3
R54	478.5	6.1	484.7
R55	545.1	2.0	547.2
R56	606.2	2.0	608.3
R57	517.5	8.2	525.7
R58	489.2	6.1	495.4
R59	507.9	6.1	514.1
R60	497.7	6.1	503.9
R61	459.4	4.1	463.5
R62	619.7	10.2	629.9
R63	615.1	4.1	619.2
R64	477.2	10.2	487.4
R65	556.0	2.0	558.0

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R66	545.0	4.1	549.1
R67	442.0	2.0	444.1
R68	411.0	4.1	415.1
R69	364.0	4.1	368.1
R70	501.3	6.1	507.5
R71	605.9	24.6	630.5
R72	651.9	24.6	676.5
R73	707.2	10.2	717.5
R74	484.7	2.0	486.7
R75	463.1	2.0	465.1
R76	406.1	< 0.1	406.1
R77	574.8	10.2	585.1
R78	590.9	4.1	595.0
R79	478.5	4.1	482.6
R80	427.1	10.2	437.3
R81	555.5	6.1	561.6
R82	547.1	16.4	563.5
R83	583.8	4.1	587.9
R84	578.0	6.1	584.1
R85	620.9	4.1	625.0
R86	567.4	4.1	571.5
R87	551.4	10.2	561.7
R88	503.0	10.2	513.3
R89	467.1	10.2	477.3
R90	387.2	12.3	399.5
R91	512.9	10.2	523.1
R92	455.3	10.2	465.5
R93	465.1	12.3	477.4
R94	551.3	4.1	555.4
R95	472.7	4.1	476.8
R96	551.6	12.3	563.9
R97	442.8	12.3	455.1
R98	488.7	8.2	496.9
R99	575.2	10.2	585.5
R100	442.1	< 0.1	442.1

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R101	430.8	8.2	439.0
R102	469.1	4.1	473.2
R103	494.1	2.0	496.2
R104	386.1	6.1	392.2
R105	258.8	4.1	262.9
R106	367.4	4.1	371.5
R107	377.5	4.1	381.6
R108	572.9	2.0	574.9
R109	533.3	2.0	535.3
R110	458.4	< 0.1	458.4
R111	453.6	2.0	455.6
R112	531.8	2.0	533.8
R113	539.1	2.0	541.2
R114	370.7	4.1	374.8
R115	458.4	6.1	464.5
R116	270.8	10.2	281.1
R117	434.6	6.1	440.8
R118	495.1	6.1	501.2
R119	423.8	< 0.1	423.8
R120	579.7	2.0	581.8
R121	393.1	< 0.1	393.1
R122	444.7	< 0.1	444.7
R123	467.8	< 0.1	467.8
R124	424.2	< 0.1	424.2
R125	448.0	< 0.1	448.0
R126	445.2	< 0.1	445.2
R127	579.6	8.2	587.8
R128	864.8	12.3	877.1

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	20 471.5	29/04/2021 07:00	2 047.1	0.34	< 0.1	0.635	0.1	0.02	2 422.7	8.2	2 430.9
R2	24 902.8	02/10/2021 06:00	2 490.3	0.62	< 0.1	0.635	0.1	0.02	3 013.9	12.3	3 026.2
R3	20 940.5	02/10/2021 06:00	2 094.0	0.62	< 0.1	0.635	0.1	0.03	2 603.0	12.3	2 615.3
R4	24 389.6	02/10/2021 06:00	2 439.0	0.62	< 0.1	0.635	0.1	0.02	2 981.9	12.3	2 994.2
R5	11 327.5	02/10/2021 06:00	1 132.7	0.62	< 0.1	0.635	0.1	0.04	1 555.7	12.3	1 568.0
R6	9 354.3	03/10/2021 06:00	935.4	0.13	< 0.1	0.635	0.1	0.05	1 315.8	6.1	1 321.9
R7	5 544.8	03/10/2021 06:00	554.5	0.13	< 0.1	0.635	0.1	0.06	862.0	6.1	868.2
R8	4 383.5	25/09/2021 06:00	438.3	0.53	4.36	0.635	0.1	0.07	710.2	12.3	722.5
R9	8 629.9	04/05/2021 07:00	863.0	0.40	< 0.1	0.635	0.1	0.04	1 165.1	12.3	1 177.4
R10	11 479.9	27/09/2021 06:00	1 148.0	0.16	1.09	0.635	0.1	0.03	1 423.4	10.2	1 433.7
R11	8 953.2	27/09/2021 06:00	895.3	0.16	1.09	0.635	0.1	0.02	1 077.3	10.2	1 087.6
R12	17 263.4	19/08/2021 07:00	1 726.3	0.16	4.36	0.49	0.05	0.01	1 829.7	8.2	1 837.9
R13	16 439.4	19/08/2021 07:00	1 643.9	0.16	4.36	0.49	0.05	0.01	1 759.9	8.2	1 768.1
R14	20 450.6	20/08/2021 07:00	2 045.1	< 0.1	1.09	0.49	0.05	0.01	2 166.2	4.1	2 170.3
R15	8 790.8	20/08/2021 07:00	879.1	< 0.1	1.09	0.49	0.05	0.01	995.0	4.1	999.1
R16	1 753.9	12/11/2021 18:00	175.4	1.86	29.43	0.74	0.1	0.26	588.1	6.1	594.2
R17	1 473.0	15/11/2021 04:00	147.3	2.57	22.89	0.74	0.1	0.35	612.2	2.0	614.2
R18	1 466.0	15/11/2021 04:00	146.6	2.57	22.89	0.74	0.1	0.35	604.5	2.0	606.5
R19	2 352.8	13/02/2021 18:00	235.3	1.29	16.35	0.67	0.1	0.17	605.1	2.0	607.2
R20	1 606.2	07/05/2021 05:00	160.6	2.15	21.80	0.74	0.1	0.22	472.2	< 0.1	472.2
R21	1 498.9	07/05/2021 04:00	149.9	2.67	21.80	0.74	0.1	0.23	456.0	< 0.1	456.0
R22	1 428.1	05/05/2021 17:00	142.8	2.87	25.07	0.74	0.1	0.26	481.0	< 0.1	481.0
R23	1 591.5	13/02/2021 19:00	159.1	2.03	13.08	0.67	0.1	0.23	488.6	2.0	490.7
R24	1 380.4	13/02/2021 19:00	138.0	2.03	13.08	0.67	0.1	0.24	432.5	2.0	434.6
R25	1 247.7	21/09/2021 17:00	124.8	2.19	32.70	0.8	0.1	0.28	444.4	2.0	446.4
R26	1 150.3	02/02/2021 18:00	115.0	2.02	18.53	0.67	0.1	0.24	368.5	6.1	374.6
R27	1 071.1	28/07/2021 17:00	107.1	4.19	30.52	0.87	0.07	0.23	328.7	4.1	332.8
R28	1 702.1	30/10/2021 02:00	170.2	2.07	21.80	0.74	0.1	0.23	525.3	6.1	531.4
R29	1 789.2	14/09/2021 06:00	178.9	2.12	25.07	0.74	0.1	0.24	563.2	2.0	565.3
R30	1 750.7	14/09/2021 06:00	175.1	2.12	25.07	0.74	0.1	0.24	554.3	2.0	556.3
R31	2 568.7	17/02/2021 06:00	256.9	1.15	3.27	0.67	0.1	0.11	522.7	8.2	530.9
R32	1 736.5	02/02/2021 18:00	173.7	2.02	18.53	0.67	0.1	0.19	469.6	6.1	475.8

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	1 134.2	21/09/2021 17:00	113.4	2.19	32.70	0.8	0.1	0.30	417.9	2.0	420.0
R34	1 181.7	21/09/2021 17:00	118.2	2.19	32.70	0.8	0.1	0.30	433.5	2.0	435.6
R35	1 418.5	26/11/2021 19:00	141.9	3.53	19.62	0.635	0.1	0.23	430.5	4.1	434.6
R36	1 418.0	15/11/2021 04:00	141.8	2.57	22.89	0.74	0.1	0.33	568.6	2.0	570.7
R37	1 406.0	15/11/2021 04:00	140.6	2.57	22.89	0.74	0.1	0.34	571.6	2.0	573.7
R38	3 280.3	09/09/2021 07:00	328.0	0.36	< 0.1	0.635	0.1	0.09	596.5	10.2	606.8
R39	2 206.5	24/07/2021 18:00	220.6	5.09	26.16	0.83	0.07	0.10	425.1	4.1	429.2
R40	11 590.2	16/08/2021 07:00	1 159.0	0.22	1.09	0.49	0.05	0.02	1 340.0	34.9	1 374.9
R41	4 115.1	03/10/2021 06:00	411.5	0.13	< 0.1	0.635	0.1	0.06	627.1	6.1	633.2
R42	5 844.2	12/08/2021 07:00	584.4	0.91	12.54	0.74	0.07	0.07	951.7	30.8	982.4
R43	3 248.5	14/05/2021 07:00	324.9	0.61	< 0.1	0.635	0.1	0.11	632.3	10.2	642.5
R44	4 191.4	10/02/2021 18:00	419.1	2.15	15.26	0.67	0.1	0.05	614.2	12.3	626.5
R45	3 993.0	10/02/2021 18:00	399.3	2.15	15.26	0.67	0.1	0.06	628.9	12.3	641.2
R46	4 038.6	21/12/2021 23:00	403.9	2.45	37.61	0.74	0.1	0.08	677.7	10.2	687.9
R47	5 596.7	29/04/2021 07:00	559.7	0.34	< 0.1	0.635	0.1	0.05	832.6	8.2	840.8
R48	7 558.3	20/12/2021 05:00	755.8	0.77	37.61	0.74	0.1	0.07	1 214.5	10.2	1 224.7
R49	5 368.5	25/09/2021 06:00	536.8	0.53	4.36	0.635	0.1	0.09	978.2	12.3	990.5
R50	3 469.2	02/03/2021 06:00	346.9	0.83	2.18	0.635	0.1	0.09	632.4	8.2	640.6
R51	2 843.0	13/02/2021 18:00	284.3	1.29	16.35	0.67	0.1	0.11	570.3	2.0	572.3
R52	2 846.6	25/09/2021 06:00	284.7	0.53	4.36	0.635	0.1	0.16	687.6	12.3	699.9
R53	2 884.9	13/02/2021 18:00	288.5	1.29	16.35	0.67	0.1	0.14	647.2	2.0	649.3
R54	2 009.1	02/02/2021 18:00	200.9	2.02	18.53	0.67	0.1	0.15	478.5	6.1	484.7
R55	2 275.3	13/02/2021 18:00	227.5	1.29	16.35	0.67	0.1	0.16	545.1	2.0	547.2
R56	2 237.5	14/09/2021 06:00	223.7	2.12	25.07	0.74	0.1	0.19	606.2	2.0	608.3
R57	2 376.2	17/02/2021 06:00	237.6	1.15	3.27	0.67	0.1	0.13	517.5	8.2	525.7
R58	2 086.6	30/03/2021 17:00	208.7	2.34	23.98	0.74	0.1	0.15	489.2	6.1	495.4
R59	2 298.7	16/11/2021 18:00	229.9	2.27	27.25	0.74	0.1	0.13	507.9	6.1	514.1
R60	1 724.3	18/01/2021 18:00	172.4	2.27	49.05	0.81	0.15	0.21	497.7	6.1	503.9
R61	2 253.2	03/01/2021 06:00	225.3	< 0.1	2.18	0.67	0.1	0.12	459.4	4.1	463.5
R62	2 898.3	18/12/2021 05:00	289.8	1.03	37.61	0.74	0.1	0.13	619.7	10.2	629.9
R63	3 259.0	20/04/2021 07:00	325.9	< 0.1	< 0.1	0.635	0.1	0.10	615.1	4.1	619.2
R64	1 816.5	02/09/2021 17:00	181.6	1.59	34.88	0.8	0.1	0.18	477.2	10.2	487.4
R65	1 797.6	15/11/2021 04:00	179.8	2.57	22.89	0.74	0.1	0.23	556.0	2.0	558.0
R66	1 816.0	15/10/2021 18:00	181.6	2.97	26.16	0.74	0.1	0.22	545.0	4.1	549.1
R67	1 707.1	17/07/2021 04:00	170.7	2.95	31.61	0.87	0.07	0.18	442.0	2.0	444.1
R68	1 767.2	28/07/2021 17:00	176.7	4.19	30.52	0.87	0.07	0.15	411.0	4.1	415.1

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	1 598.9	20/04/2021 07:00	159.9	< 0.1	< 0.1	0.635	0.1	0.14	364.0	4.1	368.1
R70	2 466.0	09/04/2021 07:00	246.6	0.45	< 0.1	0.635	0.1	0.11	501.3	6.1	507.5
R71	3 757.9	07/10/2021 06:00	375.8	0.55	< 0.1	0.635	0.1	0.07	605.9	24.6	630.5
R72	3 826.3	07/10/2021 06:00	382.6	0.55	< 0.1	0.635	0.1	0.08	651.9	24.6	676.5
R73	5 876.8	16/06/2021 08:00	587.7	0.19	< 0.1	0.49	0.05	0.02	707.2	10.2	717.5
R74	2 090.6	15/11/2021 04:00	209.1	2.57	22.89	0.74	0.1	0.15	484.7	2.0	486.7
R75	1 574.2	13/11/2021 22:00	157.4	2.01	20.71	0.74	0.1	0.22	463.1	2.0	465.1
R76	1 284.5	05/10/2021 21:00	128.5	1.45	31.61	0.8	0.1	0.24	406.1	< 0.1	406.1
R77	2 132.9	02/12/2021 18:00	213.3	1.73	42.51	0.81	0.15	0.19	574.8	10.2	585.1
R78	2 979.2	03/01/2021 06:00	297.9	< 0.1	2.18	0.67	0.1	0.11	590.9	4.1	595.0
R79	2 225.3	03/01/2021 06:00	222.5	< 0.1	2.18	0.67	0.1	0.13	478.5	4.1	482.6
R80	1 528.4	19/12/2021 05:00	152.8	0.64	37.61	0.74	0.1	0.20	427.1	10.2	437.3
R81	2 484.9	19/02/2021 18:00	248.5	2.10	14.17	0.67	0.1	0.14	555.5	6.1	561.6
R82	2 452.6	14/12/2021 18:00	245.3	1.85	22.35	0.67	0.1	0.14	547.1	16.4	563.5
R83	2 248.9	28/03/2021 17:00	224.9	2.05	32.70	0.8	0.1	0.18	583.8	4.1	587.9
R84	2 408.1	16/11/2021 18:00	240.8	2.27	27.25	0.74	0.1	0.16	578.0	6.1	584.1
R85	2 839.6	03/01/2021 06:00	284.0	< 0.1	2.18	0.67	0.1	0.13	620.9	4.1	625.0
R86	2 772.1	01/05/2021 07:00	277.2	0.18	< 0.1	0.635	0.1	0.12	567.4	4.1	571.5
R87	1 736.3	02/12/2021 18:00	173.6	1.73	42.51	0.81	0.15	0.24	551.4	10.2	561.7
R88	2 202.3	05/02/2021 18:00	220.2	1.75	17.44	0.67	0.1	0.14	503.0	10.2	513.3
R89	1 958.5	05/02/2021 18:00	195.8	1.75	17.44	0.67	0.1	0.15	467.1	10.2	477.3
R90	1 299.0	27/09/2021 18:00	129.9	1.24	31.61	0.8	0.1	0.22	387.2	12.3	399.5
R91	1 501.0	02/12/2021 18:00	150.1	1.73	42.51	0.81	0.15	0.27	512.9	10.2	523.1
R92	1 810.6	05/02/2021 18:00	181.1	1.75	17.44	0.67	0.1	0.17	455.3	10.2	465.5
R93	1 995.8	03/02/2021 18:00	199.6	2.28	19.62	0.67	0.1	0.15	465.1	12.3	477.4
R94	2 292.1	03/01/2021 06:00	229.2	< 0.1	2.18	0.67	0.1	0.16	551.3	4.1	555.4
R95	1 850.5	03/01/2021 06:00	185.1	< 0.1	2.18	0.67	0.1	0.17	472.7	4.1	476.8
R96	2 102.7	25/09/2021 06:00	210.3	0.53	4.36	0.635	0.1	0.18	551.6	12.3	563.9
R97	1 625.5	25/09/2021 06:00	162.6	0.53	4.36	0.635	0.1	0.19	442.8	12.3	455.1
R98	1 747.6	02/03/2021 06:00	174.8	0.83	2.18	0.635	0.1	0.20	488.7	8.2	496.9
R99	2 027.1	16/12/2021 05:00	202.7	1.29	37.61	0.74	0.1	0.20	575.2	10.2	585.5
R100	1 720.3	02/01/2021 05:00	172.0	1.04	6.54	0.67	0.1	0.17	442.1	< 0.1	442.1
R101	1 480.4	02/03/2021 06:00	148.0	0.83	2.18	0.635	0.1	0.21	430.8	8.2	439.0
R102	1 754.6	10/03/2021 06:00	175.5	0.99	7.63	0.635	0.1	0.19	469.1	4.1	473.2
R103	1 568.9	14/03/2021 06:00	156.9	3.04	21.80	0.74	0.1	0.24	494.1	2.0	496.2
R104	1 233.7	02/02/2021 18:00	123.4	2.02	18.53	0.67	0.1	0.24	386.1	6.1	392.2

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	939.9	18/10/2021 06:00	94.0	0.40	1.09	0.635	0.1	0.19	258.8	4.1	262.9
R106	1 329.4	28/07/2021 17:00	132.9	4.19	30.52	0.87	0.07	0.20	367.4	4.1	371.5
R107	1 449.7	24/07/2021 19:00	145.0	2.50	28.34	0.83	0.07	0.18	377.5	4.1	381.6
R108	1 762.9	12/11/2021 19:00	176.3	2.25	27.25	0.74	0.1	0.25	572.9	2.0	574.9
R109	1 610.0	13/11/2021 23:00	161.0	1.87	25.07	0.74	0.1	0.26	533.3	2.0	535.3
R110	1 354.0	25/07/2021 17:00	135.4	3.06	32.70	0.87	0.07	0.27	458.4	< 0.1	458.4
R111	1 422.8	13/11/2021 01:00	142.3	3.42	21.80	0.74	0.1	0.24	453.6	2.0	455.6
R112	1 530.0	15/11/2021 03:00	153.0	2.50	22.89	0.74	0.1	0.28	531.8	2.0	533.8
R113	1 418.9	19/09/2021 18:00	141.9	2.00	32.70	0.8	0.1	0.31	539.1	2.0	541.2
R114	1 022.0	13/11/2021 00:00	102.2	3.36	21.80	0.74	0.1	0.29	370.7	4.1	374.8
R115	1 294.7	09/09/2021 21:00	129.5	1.64	35.97	0.8	0.1	0.28	458.4	6.1	464.5
R116	784.2	19/12/2021 20:00	78.4	2.07	37.61	0.74	0.1	0.27	270.8	10.2	281.1
R117	1 071.1	09/09/2021 22:00	107.1	0.59	34.88	0.8	0.1	0.34	434.6	6.1	440.8
R118	1 265.6	12/11/2021 18:00	126.6	1.86	29.43	0.74	0.1	0.32	495.1	6.1	501.2
R119	1 671.0	17/07/2021 03:00	167.1	3.78	31.61	0.87	0.07	0.17	423.8	< 0.1	423.8
R120	1 474.2	15/11/2021 04:00	147.4	2.57	22.89	0.74	0.1	0.33	579.7	2.0	581.8
R121	1 329.9	16/08/2021 23:00	133.0	3.02	33.79	0.87	0.07	0.22	393.1	< 0.1	393.1
R122	1 333.1	15/05/2021 19:00	133.3	2.02	27.25	0.74	0.1	0.26	444.7	< 0.1	444.7
R123	1 306.9	15/05/2021 18:00	130.7	2.38	27.25	0.74	0.1	0.29	467.8	< 0.1	467.8
R124	1 077.5	05/10/2021 19:00	107.8	2.48	32.70	0.8	0.1	0.33	424.2	< 0.1	424.2
R125	1 394.1	04/06/2021 17:00	139.4	1.52	25.07	0.83	0.07	0.25	448.0	< 0.1	448.0
R126	1 045.2	05/10/2021 20:00	104.5	2.56	31.61	0.8	0.1	0.36	445.2	< 0.1	445.2
R127	2 745.0	02/03/2021 06:00	274.5	0.83	2.18	0.635	0.1	0.12	579.6	8.2	587.8
R128	4 082.5	25/09/2021 06:00	408.2	0.53	4.36	0.635	0.1	0.12	864.8	12.3	877.1

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	96.6	11.1	107.7	27/01/2021	96.6	11.1	107.7
21/11/2021	83.9	6.6	90.5	27/11/2021	78.8	16.4	95.2
27/12/2021	83.4	11.2	94.6	27/12/2021	83.4	11.2	94.6
27/11/2021	78.8	16.4	95.2	31/01/2021	73.8	17.5	91.3
26/11/2021	77.9	6.4	84.3	21/11/2021	83.9	6.6	90.5
31/01/2021	73.8	17.5	91.3	19/01/2021	59.9	30.0	89.9
15/02/2021	73.7	12.6	86.3	15/02/2021	73.7	12.6	86.3
07/01/2021	71.5	11.0	82.5	26/11/2021	77.9	6.4	84.3
28/12/2021	71.2	10.1	81.3	04/12/2021	63.4	19.4	82.8
11/10/2021	69.2	7.5	76.7	07/01/2021	71.5	11.0	82.5

Highest incremental PM ₁₀ impact – Receptor R4				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/08/2021	86.4	7.8	94.2	27/05/2021	85.3	9.3	94.6
27/05/2021	85.3	9.3	94.6	05/08/2021	86.4	7.8	94.2
25/08/2021	81.1	5.4	86.5	16/01/2021	65.4	25.0	90.4
14/05/2021	76.6	9.5	86.1	23/04/2021	60.0	29.9	89.9
05/07/2021	71.5	10.9	82.4	25/08/2021	81.1	5.4	86.5
18/07/2021	68.2	5.7	73.9	14/05/2021	76.6	9.5	86.1
16/01/2021	65.4	25.0	90.4	05/07/2021	71.5	10.9	82.4
06/08/2021	63.9	15.4	79.3	06/08/2021	63.9	15.4	79.3
04/06/2021	63.3	8.8	72.1	18/07/2021	68.2	5.7	73.9
10/12/2021	61.8	7.0	68.8	04/06/2021	63.3	8.8	72.1

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/05/2021	85.3	9.3	94.6	27/05/2021	85.3	9.3	94.6
05/08/2021	85.2	7.8	93.0	05/08/2021	85.2	7.8	93.0
25/08/2021	80.3	5.4	85.7	23/04/2021	62.9	29.9	92.8
05/07/2021	73.9	10.9	84.8	16/01/2021	67.2	25.0	92.2
14/05/2021	73.6	9.5	83.1	25/08/2021	80.3	5.4	85.7
19/06/2021	68.8	7.6	76.4	05/07/2021	73.9	10.9	84.8
16/01/2021	67.2	25.0	92.2	14/05/2021	73.6	9.5	83.1
10/12/2021	67.1	7.0	74.1	06/08/2021	64.2	15.4	79.6
04/06/2021	66.1	8.8	74.9	19/06/2021	68.8	7.6	76.4
06/08/2021	64.2	15.4	79.6	28/05/2021	60.8	14.3	75.1

Highest incremental PM ₁₀ impact – Receptor R3				Highest cumulative PM ₁₀ impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/05/2021	73.8	9.3	83.1	23/04/2021	57.0	29.9	86.9
19/06/2021	69.1	7.6	76.7	16/01/2021	59.0	25.0	84.0
05/08/2021	69.0	7.8	76.8	27/05/2021	73.8	9.3	83.1
25/08/2021	67.4	5.4	72.8	05/07/2021	66.8	10.9	77.7
05/07/2021	66.8	10.9	77.7	05/08/2021	69.0	7.8	76.8
29/05/2021	63.4	9.3	72.7	19/06/2021	69.1	7.6	76.7
10/12/2021	63.4	7.0	70.4	25/08/2021	67.4	5.4	72.8
04/06/2021	59.3	8.8	68.1	28/05/2021	58.5	14.3	72.8
16/01/2021	59.0	25.0	84.0	29/05/2021	63.4	9.3	72.7
28/05/2021	58.5	14.3	72.8	10/12/2021	63.4	7.0	70.4

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	66.6	13.8	80.4	19/03/2021	66.6	13.8	80.4
18/03/2021	57.8	9.1	66.9	09/02/2021	51.8	19.8	71.6
28/01/2021	55.2	16.0	71.2	28/01/2021	55.2	16.0	71.2
17/02/2021	53.4	14.1	67.5	04/05/2021	16.0	54.9	70.9
17/03/2021	52.3	13.5	65.8	17/02/2021	53.4	14.1	67.5
09/02/2021	51.8	19.8	71.6	06/03/2021	41.7	25.7	67.4
11/11/2021	48.2	14.5	62.7	18/03/2021	57.8	9.1	66.9
16/02/2021	47.6	9.9	57.5	02/03/2021	32.9	33.8	66.7
20/03/2021	46.9	9.9	56.8	17/03/2021	52.3	13.5	65.8
01/01/2021	44.4	12.1	56.5	05/03/2021	32.8	32.7	65.5

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R14			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/03/2021	66.5	5.9	72.4	12/02/2021	47.2	32.0	79.2
02/11/2021	48.9	19.1	68.0	20/08/2021	41.8	34.1	75.9
20/02/2021	47.7	11.4	59.1	20/04/2021	23.4	46.2	69.6
21/03/2021	46.4	12.3	58.7	08/03/2021	39.8	25.5	65.3
29/01/2021	46.1	8.2	54.3	19/12/2021	47.7	17.6	65.2
19/02/2021	43.8	13.4	57.2	26/01/2021	39.5	23.9	63.4
10/03/2021	41.9	21.1	63.0	23/08/2021	37.7	25.4	63.1
02/12/2021	41.4	15.0	56.4	28/10/2021	26.3	36.6	62.9
17/11/2021	39.8	21.5	61.3	27/07/2021	45.7	16.6	62.3
10/01/2021	38.0	10.2	48.2	19/08/2021	32.6	28.2	60.8

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
11/11/2021	59.8	14.5	74.3	11/11/2021	59.8	14.5	74.3
17/03/2021	56.6	13.5	70.1	17/03/2021	56.6	13.5	70.1
18/03/2021	52.6	9.1	61.7	04/05/2021	10.3	54.9	65.2
20/03/2021	47.4	9.9	57.3	03/12/2021	35.5	28.9	64.4
19/03/2021	46.1	13.8	59.9	27/04/2021	28.2	35.4	63.6
22/12/2021	43.9	15.1	59.0	18/03/2021	52.6	9.1	61.7
18/02/2021	41.3	13.9	55.2	05/04/2021	35.9	25.8	61.7
21/12/2021	41.3	15.9	57.2	26/02/2021	39.0	22.5	61.5
21/02/2021	40.0	9.1	49.1	06/03/2021	34.3	25.7	60.0
28/01/2021	40.0	16.0	56.0	14/12/2021	38.3	21.6	59.9

Highest incremental PM ₁₀ impact – Receptor R6				Highest cumulative PM ₁₀ impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
18/07/2021	55.6	5.7	61.3	23/04/2021	42.6	29.9	72.5
14/05/2021	52.7	9.5	62.2	16/01/2021	41.4	25.0	66.4
05/10/2021	50.1	14.0	64.1	04/05/2021	10.6	54.9	65.5
11/04/2021	44.9	9.5	54.4	27/05/2021	54.6	9.3	63.9
05/08/2021	44.4	7.8	52.2	05/07/2021	48.8	10.9	59.7
04/08/2021	43.1	5.6	48.7	06/08/2021	39.2	15.4	54.6
16/10/2021	37.6	7.1	44.7	28/05/2021	40.1	14.3	54.4
18/06/2021	35.3	7.0	42.3	05/08/2021	44.6	7.8	52.4
03/10/2021	34.9	7.7	42.6	15/04/2021	26.9	25.3	52.2
25/08/2021	33.8	5.4	39.2	04/06/2021	43.2	8.8	52.0

Highest incremental PM ₁₀ impact – Receptor R5				Highest cumulative PM ₁₀ impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/05/2021	54.6	9.3	63.9	22/03/2021	66.5	5.9	72.4
05/07/2021	48.8	10.9	59.7	02/11/2021	48.9	19.1	68.0
25/08/2021	46.4	5.4	51.8	30/11/2021	37.8	26.0	63.8
10/12/2021	44.8	7.0	51.8	10/03/2021	41.9	21.1	63.0
05/08/2021	44.6	7.8	52.4	17/11/2021	39.8	21.5	61.3
19/06/2021	44.3	7.6	51.9	10/02/2021	35.7	23.8	59.5
04/06/2021	43.2	8.8	52.0	20/02/2021	47.7	11.4	59.1
23/04/2021	42.6	29.9	72.5	04/05/2021	3.9	54.9	58.8
16/01/2021	41.4	25.0	66.4	21/03/2021	46.4	12.3	58.7
29/05/2021	40.8	9.3	50.1	23/01/2021	29.0	29.5	58.5

Highest incremental PM ₁₀ impact – Receptor R13				Highest cumulative PM ₁₀ impact – Receptor R9			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
03/11/2021	50.7	17.8	68.5	04/05/2021	16.8	54.9	71.7
05/02/2021	50.5	20.5	71.0	19/01/2021	35.9	30.0	65.9
17/12/2021	49.4	19.2	68.5	28/12/2021	47.8	10.1	57.9
13/01/2021	46.0	19.0	65.0	01/01/2021	44.5	12.1	56.6
11/01/2021	40.7	14.1	54.8	04/12/2021	36.0	19.4	55.4
08/10/2021	39.2	30.5	69.7	05/03/2021	21.7	32.7	54.4
18/12/2021	37.7	18.4	56.1	31/01/2021	36.7	17.5	54.2
19/08/2021	37.6	28.2	65.8	22/11/2021	34.5	18.0	52.5
04/02/2021	36.7	24.2	60.9	08/01/2021	37.6	13.7	51.3
30/12/2021	35.9	9.5	45.4	02/03/2021	17.2	33.8	51.0

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	96.6	7.0	103.6	27/01/2021	96.6	7.0	103.6
21/11/2021	83.9	1.9	85.8	21/11/2021	83.9	1.9	85.8
27/12/2021	83.4	2.0	85.4	27/12/2021	83.4	2.0	85.4
27/11/2021	78.8	6.0	84.8	27/11/2021	78.8	6.0	84.8
26/11/2021	77.9	1.9	79.8	31/01/2021	73.8	8.1	81.9
31/01/2021	73.8	8.1	81.9	26/11/2021	77.9	1.9	79.8
15/02/2021	73.7	4.7	78.4	15/02/2021	73.7	4.7	78.4
07/01/2021	71.5	2.7	74.2	07/01/2021	71.5	2.7	74.2
28/12/2021	71.2	1.2	72.4	19/01/2021	59.9	13.8	73.7
11/10/2021	69.2	3.5	72.7	11/10/2021	69.2	3.5	72.7

Highest incremental PM _{2.5} impact – Receptor R4				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/08/2021	86.4	4.7	91.1	05/08/2021	86.4	4.7	91.1
27/05/2021	85.3	2.4	87.7	27/05/2021	85.3	2.4	87.7
25/08/2021	81.1	2.9	84.0	25/08/2021	81.1	2.9	84.0
14/05/2021	76.6	3.8	80.4	14/05/2021	76.6	3.8	80.4
05/07/2021	71.5	6.2	77.7	23/04/2021	60.0	19.5	79.5
18/07/2021	68.2	1.6	69.8	05/07/2021	71.5	6.2	77.7
16/01/2021	65.4	9.4	74.8	16/01/2021	65.4	9.4	74.8
06/08/2021	63.9	6.2	70.1	06/08/2021	63.9	6.2	70.1
04/06/2021	63.3	5.7	69.0	18/07/2021	68.2	1.6	69.8
10/12/2021	61.8	2.7	64.5	04/06/2021	63.3	5.7	69.0

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/05/2021	85.3	2.4	87.7	05/08/2021	85.2	4.7	89.9
05/08/2021	85.2	4.7	89.9	27/05/2021	85.3	2.4	87.7
25/08/2021	80.3	2.9	83.2	25/08/2021	80.3	2.9	83.2
05/07/2021	73.9	6.2	80.1	23/04/2021	62.9	19.5	82.4
14/05/2021	73.6	3.8	77.4	05/07/2021	73.9	6.2	80.1
19/06/2021	68.8	2.4	71.2	14/05/2021	73.6	3.8	77.4
16/01/2021	67.2	9.4	76.6	16/01/2021	67.2	9.4	76.6
10/12/2021	67.1	2.7	69.8	04/06/2021	66.1	5.7	71.8
04/06/2021	66.1	5.7	71.8	19/06/2021	68.8	2.4	71.2
06/08/2021	64.2	6.2	70.4	06/08/2021	64.2	6.2	70.4

Highest incremental PM _{2.5} impact – Receptor R3				Highest cumulative PM _{2.5} impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/05/2021	73.8	2.4	76.2	23/04/2021	57.0	19.5	76.5
19/06/2021	69.1	2.4	71.5	27/05/2021	73.8	2.4	76.2
05/08/2021	69.0	4.7	73.7	05/08/2021	69.0	4.7	73.7
25/08/2021	67.4	2.9	70.3	05/07/2021	66.8	6.2	73.0
05/07/2021	66.8	6.2	73.0	19/06/2021	69.1	2.4	71.5
29/05/2021	63.4	3.4	66.8	25/08/2021	67.4	2.9	70.3
10/12/2021	63.4	2.7	66.1	16/01/2021	59.0	9.4	68.4
04/06/2021	59.3	5.7	65.0	29/05/2021	63.4	3.4	66.8
16/01/2021	59.0	9.4	68.4	10/12/2021	63.4	2.7	66.1
28/05/2021	58.5	4.9	63.4	04/06/2021	59.3	5.7	65.0

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	66.6	2.9	69.5	19/03/2021	66.6	2.9	69.5
18/03/2021	57.8	2.5	60.3	28/01/2021	55.2	8.3	63.5
28/01/2021	55.2	8.3	63.5	18/03/2021	57.8	2.5	60.3
17/02/2021	53.4	4.8	58.2	09/02/2021	51.8	8.3	60.1
17/03/2021	52.3	3.3	55.6	17/02/2021	53.4	4.8	58.2
09/02/2021	51.8	8.3	60.1	04/05/2021	16.0	40.3	56.3
11/11/2021	48.2	3.6	51.8	17/03/2021	52.3	3.3	55.6
16/02/2021	47.6	5.7	53.3	16/02/2021	47.6	5.7	53.3
20/03/2021	46.9	1.5	48.4	11/11/2021	48.2	3.6	51.8
01/01/2021	44.4	1.7	46.1	26/12/2021	43.7	5.8	49.5

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/03/2021	66.5	2.4	68.9	22/03/2021	66.5	2.4	68.9
02/11/2021	48.9	3.5	52.4	02/11/2021	48.9	3.5	52.4
20/02/2021	47.7	2.0	49.7	21/03/2021	46.4	4.9	51.3
21/03/2021	46.4	4.9	51.3	29/01/2021	46.1	4.3	50.4
29/01/2021	46.1	4.3	50.4	20/02/2021	47.7	2.0	49.7
19/02/2021	43.8	2.9	46.8	19/02/2021	43.8	2.9	46.8
10/03/2021	41.9	4.9	46.8	10/03/2021	41.9	4.9	46.8
02/12/2021	41.4	3.9	45.3	02/12/2021	41.4	3.9	45.3
17/11/2021	39.8	4.5	44.3	30/11/2021	37.8	6.7	44.5
10/01/2021	38.0	2.7	40.7	17/11/2021	39.8	4.5	44.3

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
11/11/2021	59.8	3.6	63.4	11/11/2021	59.8	3.6	63.4
17/03/2021	56.6	3.3	59.9	17/03/2021	56.6	3.3	59.9
18/03/2021	52.6	2.5	55.1	18/03/2021	52.6	2.5	55.1
20/03/2021	47.4	1.5	48.9	04/05/2021	10.3	40.3	50.6
19/03/2021	46.1	2.9	49.0	19/03/2021	46.1	2.9	49.0
22/12/2021	43.9	4.4	48.3	20/03/2021	47.4	1.5	48.9
18/02/2021	41.3	3.9	45.1	22/12/2021	43.9	4.4	48.3
21/12/2021	41.3	3.7	44.9	28/01/2021	40.0	8.3	48.3
21/02/2021	40.0	1.2	41.2	05/04/2021	35.9	10.2	46.1
28/01/2021	40.0	8.3	48.3	26/02/2021	39.0	6.4	45.4

Highest incremental PM _{2.5} impact – Receptor R6				Highest cumulative PM _{2.5} impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
18/07/2021	55.6	1.6	57.2	23/04/2021	42.6	19.5	62.1
14/05/2021	52.7	3.8	56.5	27/05/2021	54.6	2.4	57.0
05/10/2021	50.1	3.8	53.9	05/07/2021	48.8	6.2	55.0
11/04/2021	44.9	3.8	48.7	04/05/2021	10.6	40.3	50.9
05/08/2021	44.4	4.7	49.1	16/01/2021	41.4	9.4	50.8
04/08/2021	43.1	1.8	44.9	05/08/2021	44.6	4.7	49.3
16/10/2021	37.6	1.9	39.5	25/08/2021	46.4	2.9	49.3
18/06/2021	35.3	1.4	36.7	04/06/2021	43.2	5.7	48.9
03/10/2021	34.9	3.8	38.7	10/12/2021	44.8	2.7	47.5
25/08/2021	33.8	2.9	36.7	19/06/2021	44.3	2.4	46.7

Highest incremental PM _{2.5} impact – Receptor R5				Highest cumulative PM _{2.5} impact – Receptor R14			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/05/2021	54.6	2.4	57.0	20/08/2021	41.8	19.2	61.0
05/07/2021	48.8	6.2	55.0	12/02/2021	47.2	11.0	58.2
25/08/2021	46.4	2.9	49.3	23/08/2021	37.7	14.7	52.4
10/12/2021	44.8	2.7	47.5	27/07/2021	45.7	5.3	51.0
05/08/2021	44.6	4.7	49.3	19/12/2021	47.7	2.2	49.9
19/06/2021	44.3	2.4	46.7	26/01/2021	39.5	9.3	48.8
04/06/2021	43.2	5.7	48.9	04/09/2021	43.5	5.3	48.8
23/04/2021	42.6	19.5	62.1	11/08/2021	42.4	5.3	47.7
16/01/2021	41.4	9.4	50.8	08/03/2021	39.8	6.1	45.9
29/05/2021	40.8	3.4	44.2	08/06/2021	38.0	6.6	44.6

Highest incremental PM _{2.5} impact – Receptor R13				Highest cumulative PM _{2.5} impact – Receptor R13			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
03/11/2021	50.7	2.7	53.4	05/02/2021	50.5	7.4	57.9
05/02/2021	50.5	7.4	57.9	17/12/2021	49.4	5.1	54.5
17/12/2021	49.4	5.1	54.5	03/11/2021	50.7	2.7	53.4
13/01/2021	46.0	3.3	49.3	13/01/2021	46.0	3.3	49.3
11/01/2021	40.7	3.7	44.4	19/08/2021	37.6	10.9	48.5
08/10/2021	39.2	7.4	46.6	04/02/2021	36.7	11.0	47.7
18/12/2021	37.7	3.7	41.4	08/10/2021	39.2	7.4	46.6
19/08/2021	37.6	10.9	48.5	11/01/2021	40.7	3.7	44.4
04/02/2021	36.7	11.0	47.7	12/01/2021	33.9	8.3	42.2
30/12/2021	35.9	1.2	37.1	04/05/2021	1.5	40.3	41.8

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	96.6	96.6
R2	85.3	85.3
R3	73.8	73.8
R4	86.4	86.4
R5	54.6	54.6
R6	55.6	55.6
R7	49.7	49.7
R8	44.1	44.1
R9	47.8	47.8
R10	66.6	66.6
R11	59.8	59.8
R12	66.5	66.5
R13	50.7	50.7
R14	47.7	47.7
R15	39.7	39.7
R16	7.8	7.8
R17	7.3	7.3
R18	7.2	7.2
R19	14.8	14.8
R20	21.0	21.0
R21	19.1	19.1
R22	12.3	12.3
R23	9.1	9.1
R24	8.7	8.7
R25	8.5	8.5
R26	5.5	5.5
R27	4.6	4.6
R28	14.8	14.8
R29	12.6	12.6
R30	13.2	13.2
R31	13.9	13.9

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	8.3	8.3
R33	7.5	7.5
R34	7.9	7.9
R35	9.1	9.1
R36	7.3	7.3
R37	7.3	7.3
R38	18.7	18.7
R39	9.7	9.7
R40	26.3	26.3
R41	32.6	32.6
R42	33.5	33.5
R43	31.9	31.9
R44	48.9	48.9
R45	41.0	41.0
R46	24.7	24.7
R47	38.9	38.9
R48	43.7	43.7
R49	20.5	20.5
R50	31.6	31.6
R51	22.5	22.5
R52	16.9	16.9
R53	18.6	18.6
R54	10.5	10.5
R55	14.4	14.4
R56	16.5	16.5
R57	12.1	12.1
R58	14.7	14.7
R59	15.8	15.8
R60	11.3	11.3
R61	17.1	17.1
R62	8.7	8.7
R63	8.6	8.6
R64	7.0	7.0
R65	10.8	10.8
R66	9.2	9.2
R67	10.2	10.2

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	8.2	8.2
R69	5.5	5.5
R70	9.5	9.5
R71	23.2	23.2
R72	25.1	25.1
R73	31.5	31.5
R74	16.2	16.2
R75	10.4	10.4
R76	12.0	12.0
R77	9.5	9.5
R78	20.1	20.1
R79	14.6	14.6
R80	5.4	5.4
R81	13.2	13.2
R82	15.6	15.6
R83	9.8	9.8
R84	9.6	9.6
R85	14.8	14.8
R86	13.9	13.9
R87	7.1	7.1
R88	7.8	7.8
R89	6.7	6.7
R90	5.8	5.8
R91	6.4	6.4
R92	6.6	6.6
R93	11.5	11.5
R94	12.1	12.1
R95	10.4	10.4
R96	17.4	17.4
R97	10.3	10.3
R98	16.9	16.9
R99	14.3	14.3
R100	10.2	10.2
R101	12.6	12.6
R102	9.8	9.8
R103	10.3	10.3

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R104	5.8	5.8
R105	3.2	3.2
R106	5.6	5.6
R107	5.8	5.8
R108	7.6	7.6
R109	9.3	9.3
R110	8.2	8.2
R111	5.5	5.5
R112	9.0	9.0
R113	7.8	7.8
R114	2.6	2.6
R115	4.2	4.2
R116	3.3	3.3
R117	3.2	3.2
R118	6.1	6.1
R119	8.0	8.0
R120	7.5	7.5
R121	12.6	12.6
R122	13.8	13.8
R123	11.5	11.5
R124	7.7	7.7
R125	14.9	14.9
R126	7.0	7.0
R127	27.3	27.3
R128	25.0	25.0

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	7.2	0.5	7.7	5.5	0.4	5.8	1.3	< 0.1	1.3
R2	8.8	0.2	8.9	6.7	0.1	6.8	1.1	< 0.1	1.2
R3	7.4	0.2	7.5	5.6	0.1	5.7	1.0	< 0.1	1.0
R4	8.6	0.2	8.8	6.5	0.1	6.6	1.1	< 0.1	1.2
R5	4.0	0.2	4.2	3.0	0.1	3.2	0.8	< 0.1	0.8
R6	3.3	0.2	3.5	2.5	0.1	2.6	0.8	< 0.1	0.9
R7	2.0	0.8	2.8	1.5	0.6	2.1	0.7	< 0.1	0.7
R8	1.5	0.2	1.7	1.2	0.1	1.3	0.6	< 0.1	0.6
R9	3.0	0.5	3.5	2.3	0.4	2.7	0.8	< 0.1	0.8
R10	4.0	0.2	4.2	3.1	0.1	3.2	1.0	< 0.1	1.0
R11	3.2	0.2	3.3	2.4	0.1	2.5	1.1	< 0.1	1.1
R12	6.1	0.5	6.6	4.6	0.4	5.0	1.0	< 0.1	1.0
R13	5.8	0.5	6.3	4.4	0.4	4.8	1.1	0.2	1.2
R14	7.2	0.5	7.7	5.5	0.4	5.8	1.2	0.1	1.4
R15	3.1	0.5	3.6	2.3	0.4	2.7	0.6	< 0.1	0.6
R16	0.6	0.2	0.8	0.5	0.1	0.6	0.2	< 0.1	0.2
R17	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R18	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R19	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R20	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.4	< 0.1	0.4
R21	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.3	< 0.1	0.4
R22	0.5	< 0.1	0.6	0.4	< 0.1	0.4	0.3	0.1	0.4
R23	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.2	< 0.1	0.3
R24	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R25	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.3
R26	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R27	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.1	< 0.1	0.1
R28	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.4	0.1	0.5
R29	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.4	< 0.1	0.4
R30	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.3	< 0.1	0.3

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.3	< 0.1	0.3
R32	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R33	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.3
R34	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.3
R35	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R36	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R37	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R38	1.2	0.7	1.8	0.9	0.5	1.4	0.5	< 0.1	0.5
R39	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R40	4.1	0.2	4.3	3.1	0.1	3.2	0.7	< 0.1	0.7
R41	1.7	0.7	2.4	1.3	0.5	1.8	0.7	< 0.1	0.7
R42	2.1	< 0.1	2.1	1.6	< 0.1	1.6	0.5	< 0.1	0.6
R43	1.1	0.3	1.5	0.9	0.2	1.1	0.5	< 0.1	0.6
R44	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R45	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.6	< 0.1	0.6
R46	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.5	< 0.1	0.5
R47	2.0	0.5	2.5	1.5	0.4	1.9	0.6	< 0.1	0.6
R48	2.7	0.2	2.8	2.0	0.1	2.1	0.8	< 0.1	0.8
R49	1.9	0.2	2.1	1.4	0.1	1.6	0.5	< 0.1	0.5
R50	1.2	0.3	1.6	0.9	0.2	1.2	0.5	< 0.1	0.5
R51	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R52	1.0	0.2	1.2	0.8	0.1	0.9	0.4	< 0.1	0.4
R53	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R54	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R55	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R56	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.4	< 0.1	0.5
R57	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R58	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R59	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R60	0.7	< 0.1	0.7	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R61	0.8	0.2	1.0	0.6	0.1	0.7	0.3	< 0.1	0.3
R62	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.3	< 0.1	0.3
R63	1.1	0.3	1.5	0.9	0.2	1.1	0.3	< 0.1	0.3
R64	0.7	0.8	1.5	0.5	0.6	1.2	0.2	< 0.1	0.2
R65	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.3	< 0.1	0.3

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R67	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.4	< 0.1	0.4
R68	0.7	0.8	1.5	0.5	0.6	1.1	0.2	< 0.1	0.2
R69	0.6	0.3	0.9	0.4	0.2	0.7	0.2	< 0.1	0.2
R70	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.3	< 0.1	0.3
R71	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.3	< 0.1	0.3
R72	1.4	0.3	1.7	1.1	0.2	1.3	0.4	0.2	0.6
R73	2.1	0.3	2.4	1.6	0.2	1.8	0.6	0.2	0.8
R74	0.7	< 0.1	0.7	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R75	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R76	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.3
R77	1.0	0.5	1.5	0.7	0.4	1.1	0.3	< 0.1	0.3
R78	1.1	0.2	1.2	0.8	0.1	0.9	0.3	< 0.1	0.4
R79	0.8	0.2	0.9	0.6	0.1	0.7	0.3	< 0.1	0.3
R80	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	0.4	0.5
R81	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.3	< 0.1	0.3
R82	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.4	< 0.1	0.4
R83	0.9	< 0.1	0.9	0.6	< 0.1	0.6	0.3	0.2	0.4
R84	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R85	1.0	0.2	1.2	0.8	0.1	0.9	0.3	< 0.1	0.3
R86	1.0	0.5	1.5	0.7	0.4	1.1	0.3	< 0.1	0.3
R87	0.7	0.8	1.5	0.5	0.6	1.1	0.3	< 0.1	0.3
R88	0.8	0.8	1.6	0.6	0.6	1.2	0.3	< 0.1	0.3
R89	0.8	0.8	1.6	0.6	0.6	1.2	0.2	< 0.1	0.2
R90	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R91	0.6	0.8	1.4	0.4	0.6	1.1	0.2	< 0.1	0.2
R92	0.6	0.8	1.5	0.5	0.6	1.1	0.2	< 0.1	0.2
R93	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R94	0.8	0.2	1.0	0.6	0.1	0.7	0.2	< 0.1	0.2
R95	0.7	0.2	0.8	0.5	0.1	0.6	0.2	< 0.1	0.2
R96	0.7	0.2	0.9	0.6	0.1	0.7	0.4	< 0.1	0.4
R97	0.6	0.2	0.7	0.4	0.1	0.6	0.3	< 0.1	0.3
R98	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.4	< 0.1	0.4
R99	0.7	0.2	0.9	0.5	0.1	0.7	0.3	0.1	0.4
R100	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.3	< 0.1	0.3

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	0.5	0.3	0.9	0.4	0.2	0.6	0.3	< 0.1	0.3
R102	0.6	0.2	0.8	0.5	0.1	0.6	0.2	< 0.1	0.3
R103	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.2	< 0.1	0.3
R104	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R105	0.3	0.2	0.5	0.3	0.1	0.4	0.1	< 0.1	0.1
R106	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R107	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R108	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R109	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R110	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R111	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R112	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R113	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R114	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.1	< 0.1	0.1
R115	0.5	< 0.1	0.5	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R116	0.3	< 0.1	0.3	0.2	< 0.1	0.2	< 0.1	< 0.1	0.1
R117	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.1	< 0.1	0.1
R118	0.4	0.2	0.6	0.3	0.1	0.5	0.2	< 0.1	0.2
R119	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R120	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R121	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R122	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R123	0.5	< 0.1	0.6	0.4	< 0.1	0.4	0.3	< 0.1	0.4
R124	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R125	0.5	0.2	0.7	0.4	0.1	0.5	0.3	0.1	0.4
R126	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R127	1.0	0.3	1.3	0.7	0.2	1.0	0.5	< 0.1	0.5
R128	1.4	0.2	1.6	1.1	0.1	1.2	0.5	< 0.1	0.5

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	6.8	2.9	9.7	1.3	0.2	1.5
R2	8.3	< 0.1	8.3	1.1	1.5	2.7
R3	7.0	< 0.1	7.0	1.0	1.5	2.5
R4	8.2	< 0.1	8.2	1.1	< 0.1	1.1
R5	3.8	< 0.1	3.8	0.7	1.5	2.3
R6	3.1	< 0.1	3.1	0.8	0.2	1.0
R7	1.9	2.9	4.7	0.7	1.5	2.2
R8	1.5	< 0.1	1.5	0.6	1.5	2.1
R9	2.9	2.9	5.7	0.6	0.2	0.9
R10	3.8	< 0.1	3.8	0.9	0.2	1.1
R11	3.0	< 0.1	3.0	0.8	< 0.1	0.8
R12	5.8	2.9	8.6	0.9	0.4	1.3
R13	5.5	2.9	8.4	0.7	1.9	2.6
R14	6.8	2.9	9.7	0.6	< 0.1	0.6
R15	2.9	2.9	5.8	0.5	0.6	1.1
R16	0.6	< 0.1	0.6	0.1	0.1	0.2
R17	0.5	< 0.1	0.5	< 0.1	1.1	1.2
R18	0.5	< 0.1	0.5	< 0.1	1.1	1.2
R19	0.8	< 0.1	0.8	0.2	0.2	0.5
R20	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R21	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R22	0.5	< 0.1	0.5	0.2	0.8	1.0
R23	0.5	< 0.1	0.5	0.1	0.2	0.4
R24	0.5	< 0.1	0.5	0.1	0.2	0.4
R25	0.4	< 0.1	0.4	0.1	0.2	0.4
R26	0.4	1.4	1.8	< 0.1	2.5	2.6
R27	0.4	2.9	3.2	< 0.1	0.6	0.7
R28	0.6	< 0.1	0.6	0.2	< 0.1	0.2
R29	0.6	< 0.1	0.6	0.2	< 0.1	0.2
R30	0.6	< 0.1	0.6	0.2	0.1	0.3

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	0.9	2.9	3.7	0.2	< 0.1	0.2
R32	0.6	1.4	2.0	0.1	< 0.1	0.1
R33	0.4	< 0.1	0.4	0.1	0.2	0.4
R34	0.4	< 0.1	0.4	0.1	0.2	0.4
R35	0.5	< 0.1	0.5	0.1	0.1	0.3
R36	0.5	< 0.1	0.5	< 0.1	1.1	1.2
R37	0.5	< 0.1	0.5	< 0.1	1.1	1.2
R38	1.1	2.9	4.0	0.2	0.4	0.6
R39	0.7	< 0.1	0.7	0.1	1.0	1.1
R40	3.9	< 0.1	3.9	0.3	0.6	0.9
R41	1.6	2.9	4.5	0.5	< 0.1	0.5
R42	2.0	< 0.1	2.0	0.4	< 0.1	0.4
R43	1.1	< 0.1	1.1	0.4	0.5	0.9
R44	1.4	< 0.1	1.4	0.7	< 0.1	0.7
R45	1.3	< 0.1	1.3	0.6	< 0.1	0.6
R46	1.4	< 0.1	1.4	0.3	< 0.1	0.3
R47	1.9	2.9	4.7	0.5	< 0.1	0.5
R48	2.5	2.9	5.4	0.6	< 0.1	0.6
R49	1.8	< 0.1	1.8	0.3	0.7	1.0
R50	1.2	2.9	4.0	0.4	< 0.1	0.4
R51	1.0	< 0.1	1.0	0.3	0.2	0.6
R52	1.0	< 0.1	1.0	0.2	0.7	0.9
R53	1.0	< 0.1	1.0	0.3	0.2	0.5
R54	0.7	1.4	2.1	0.1	< 0.1	0.1
R55	0.8	< 0.1	0.8	0.2	0.2	0.5
R56	0.8	< 0.1	0.8	0.2	0.1	0.4
R57	0.8	2.9	3.7	0.2	0.2	0.4
R58	0.7	< 0.1	0.7	0.2	0.2	0.5
R59	0.8	< 0.1	0.8	0.2	< 0.1	0.2
R60	0.7	< 0.1	0.7	0.2	0.4	0.5
R61	0.8	< 0.1	0.8	0.3	0.4	0.6
R62	1.0	2.9	3.8	0.1	1.2	1.3
R63	1.1	1.4	2.5	0.1	0.6	0.7
R64	0.7	2.9	3.5	0.1	1.3	1.4
R65	0.6	< 0.1	0.6	0.1	< 0.1	0.1

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	0.6	< 0.1	0.6	0.1	0.1	0.2
R67	0.6	< 0.1	0.6	0.2	0.4	0.5
R68	0.7	2.9	3.5	0.1	0.6	0.7
R69	0.5	1.4	2.0	< 0.1	0.6	0.7
R70	0.8	< 0.1	0.8	0.1	0.6	0.7
R71	1.3	< 0.1	1.3	0.3	0.1	0.4
R72	1.3	< 0.1	1.3	0.3	0.1	0.4
R73	2.0	< 0.1	2.0	0.4	8.2	8.6
R74	0.7	< 0.1	0.7	0.2	< 0.1	0.2
R75	0.5	< 0.1	0.5	0.1	< 0.1	0.1
R76	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R77	0.9	2.9	3.8	0.1	0.4	0.5
R78	1.0	< 0.1	1.0	0.3	0.4	0.7
R79	0.7	< 0.1	0.7	0.2	0.4	0.6
R80	0.5	< 0.1	0.5	< 0.1	5.8	5.9
R81	0.8	< 0.1	0.8	0.2	< 0.1	0.2
R82	0.8	< 0.1	0.8	0.3	< 0.1	0.3
R83	0.8	< 0.1	0.8	0.1	0.1	0.2
R84	0.8	< 0.1	0.8	0.1	0.5	0.6
R85	1.0	< 0.1	1.0	0.2	0.4	0.6
R86	0.9	2.9	3.8	0.2	0.4	0.6
R87	0.6	2.9	3.5	0.1	1.2	1.3
R88	0.8	2.9	3.6	0.1	1.3	1.4
R89	0.7	2.9	3.6	< 0.1	1.3	1.4
R90	0.5	< 0.1	0.5	< 0.1	1.3	1.4
R91	0.6	2.9	3.4	< 0.1	1.2	1.3
R92	0.6	2.9	3.5	< 0.1	1.3	1.4
R93	0.7	1.4	2.1	0.2	0.4	0.5
R94	0.8	< 0.1	0.8	0.2	0.4	0.6
R95	0.6	< 0.1	0.6	0.2	0.4	0.5
R96	0.7	< 0.1	0.7	0.2	0.7	0.9
R97	0.5	< 0.1	0.5	0.1	0.8	1.0
R98	0.6	< 0.1	0.6	0.2	< 0.1	0.2
R99	0.7	2.9	3.5	0.2	0.8	1.0
R100	0.6	< 0.1	0.6	0.1	0.2	0.4

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	0.5	2.9	3.4	0.2	0.7	0.9
R102	0.6	2.9	3.4	0.1	0.2	0.4
R103	0.5	< 0.1	0.5	0.2	0.2	0.4
R104	0.4	1.4	1.8	< 0.1	2.5	2.6
R105	0.3	< 0.1	0.3	< 0.1	< 0.1	< 0.1
R106	0.5	2.9	3.3	< 0.1	0.6	0.7
R107	0.5	< 0.1	0.5	< 0.1	1.0	1.0
R108	0.6	< 0.1	0.6	< 0.1	0.4	0.5
R109	0.5	< 0.1	0.5	0.1	< 0.1	0.1
R110	0.5	< 0.1	0.5	0.1	0.4	0.5
R111	0.5	< 0.1	0.5	< 0.1	0.4	0.4
R112	0.5	< 0.1	0.5	0.1	1.1	1.2
R113	0.5	< 0.1	0.5	< 0.1	0.2	0.3
R114	0.3	< 0.1	0.3	< 0.1	< 0.1	< 0.1
R115	0.4	< 0.1	0.4	< 0.1	1.0	1.0
R116	0.3	5.7	6.0	< 0.1	1.8	1.8
R117	0.4	2.9	3.2	< 0.1	0.6	0.6
R118	0.4	< 0.1	0.4	< 0.1	0.1	0.2
R119	0.6	< 0.1	0.6	0.1	0.4	0.5
R120	0.5	< 0.1	0.5	< 0.1	1.1	1.2
R121	0.4	< 0.1	0.4	0.2	1.5	1.7
R122	0.5	< 0.1	0.5	0.2	0.5	0.7
R123	0.5	< 0.1	0.5	0.2	0.5	0.6
R124	0.4	< 0.1	0.4	< 0.1	< 0.1	< 0.1
R125	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R126	0.3	< 0.1	0.3	< 0.1	< 0.1	< 0.1
R127	0.9	2.9	3.8	0.4	< 0.1	0.4
R128	1.4	< 0.1	1.4	0.3	0.7	1.0

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	2.37E-08	1.61E-03	5.78E-04	4.03E-04	1.63E-04
R2	2.09E-08	1.41E-03	5.08E-04	3.54E-04	1.43E-04
R3	1.87E-08	1.27E-03	4.56E-04	3.18E-04	1.29E-04
R4	1.77E-08	1.19E-03	4.30E-04	3.00E-04	1.21E-04
R5	1.55E-08	1.05E-03	3.77E-04	2.63E-04	1.06E-04
R6	1.25E-08	8.44E-04	3.04E-04	2.12E-04	8.57E-05
R7	1.09E-08	7.39E-04	2.66E-04	1.86E-04	7.51E-05
R8	1.12E-08	7.54E-04	2.71E-04	1.89E-04	7.66E-05
R9	1.34E-08	9.06E-04	3.26E-04	2.27E-04	9.20E-05
R10	1.63E-08	1.10E-03	3.96E-04	2.76E-04	1.12E-04
R11	1.65E-08	1.11E-03	4.01E-04	2.80E-04	1.13E-04
R12	1.87E-08	1.26E-03	4.55E-04	3.17E-04	1.28E-04
R13	1.70E-08	1.15E-03	4.13E-04	2.88E-04	1.17E-04
R14	1.73E-08	1.17E-03	4.22E-04	2.94E-04	1.19E-04
R15	1.26E-08	8.53E-04	3.07E-04	2.14E-04	8.67E-05
R16	4.07E-09	2.75E-04	9.90E-05	6.90E-05	2.79E-05
R17	3.22E-09	2.18E-04	7.84E-05	5.47E-05	2.21E-05
R18	3.17E-09	2.14E-04	7.72E-05	5.38E-05	2.18E-05
R19	5.40E-09	3.65E-04	1.31E-04	9.17E-05	3.71E-05
R20	5.24E-09	3.55E-04	1.28E-04	8.90E-05	3.60E-05
R21	4.72E-09	3.19E-04	1.15E-04	8.02E-05	3.24E-05
R22	4.38E-09	2.96E-04	1.06E-04	7.43E-05	3.01E-05
R23	3.87E-09	2.62E-04	9.43E-05	6.58E-05	2.66E-05
R24	3.73E-09	2.52E-04	9.07E-05	6.32E-05	2.56E-05
R25	3.84E-09	2.60E-04	9.35E-05	6.52E-05	2.64E-05
R26	3.16E-09	2.14E-04	7.70E-05	5.37E-05	2.17E-05
R27	2.12E-09	1.44E-04	5.17E-05	3.60E-05	1.46E-05
R28	5.04E-09	3.41E-04	1.23E-04	8.55E-05	3.46E-05
R29	5.13E-09	3.47E-04	1.25E-04	8.70E-05	3.52E-05
R30	4.77E-09	3.23E-04	1.16E-04	8.10E-05	3.28E-05
R31	6.00E-09	4.06E-04	1.46E-04	1.02E-04	4.12E-05
R32	4.21E-09	2.84E-04	1.02E-04	7.14E-05	2.89E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	3.56E-09	2.41E-04	8.67E-05	6.05E-05	2.45E-05
R34	3.65E-09	2.47E-04	8.90E-05	6.20E-05	2.51E-05
R35	4.25E-09	2.87E-04	1.03E-04	7.21E-05	2.92E-05
R36	3.14E-09	2.12E-04	7.63E-05	5.32E-05	2.15E-05
R37	3.15E-09	2.13E-04	7.67E-05	5.35E-05	2.16E-05
R38	9.12E-09	6.17E-04	2.22E-04	1.55E-04	6.26E-05
R39	5.57E-09	3.77E-04	1.36E-04	9.46E-05	3.83E-05
R40	1.30E-08	8.82E-04	3.17E-04	2.21E-04	8.95E-05
R41	1.05E-08	7.12E-04	2.56E-04	1.79E-04	7.23E-05
R42	9.52E-09	6.44E-04	2.32E-04	1.62E-04	6.54E-05
R43	7.91E-09	5.35E-04	1.92E-04	1.34E-04	5.43E-05
R44	1.21E-08	8.17E-04	2.94E-04	2.05E-04	8.30E-05
R45	1.07E-08	7.20E-04	2.59E-04	1.81E-04	7.32E-05
R46	9.28E-09	6.28E-04	2.26E-04	1.58E-04	6.38E-05
R47	1.15E-08	7.76E-04	2.79E-04	1.95E-04	7.88E-05
R48	1.33E-08	8.98E-04	3.23E-04	2.25E-04	9.12E-05
R49	9.69E-09	6.55E-04	2.36E-04	1.64E-04	6.65E-05
R50	8.81E-09	5.96E-04	2.14E-04	1.50E-04	6.05E-05
R51	6.98E-09	4.72E-04	1.70E-04	1.18E-04	4.79E-05
R52	5.83E-09	3.95E-04	1.42E-04	9.90E-05	4.01E-05
R53	6.31E-09	4.27E-04	1.54E-04	1.07E-04	4.34E-05
R54	5.11E-09	3.46E-04	1.24E-04	8.68E-05	3.51E-05
R55	6.03E-09	4.08E-04	1.47E-04	1.02E-04	4.14E-05
R56	5.99E-09	4.05E-04	1.46E-04	1.02E-04	4.11E-05
R57	5.43E-09	3.67E-04	1.32E-04	9.22E-05	3.73E-05
R58	5.78E-09	3.91E-04	1.41E-04	9.81E-05	3.97E-05
R59	6.30E-09	4.26E-04	1.53E-04	1.07E-04	4.33E-05
R60	5.72E-09	3.87E-04	1.39E-04	9.71E-05	3.93E-05
R61	5.91E-09	3.99E-04	1.44E-04	1.00E-04	4.06E-05
R62	6.00E-09	4.06E-04	1.46E-04	1.02E-04	4.12E-05
R63	5.66E-09	3.82E-04	1.38E-04	9.60E-05	3.89E-05
R64	4.85E-09	3.28E-04	1.18E-04	8.23E-05	3.33E-05
R65	5.12E-09	3.46E-04	1.25E-04	8.69E-05	3.52E-05
R66	5.10E-09	3.45E-04	1.24E-04	8.66E-05	3.50E-05
R67	4.82E-09	3.26E-04	1.17E-04	8.19E-05	3.31E-05
R68	3.31E-09	2.24E-04	8.07E-05	5.63E-05	2.28E-05
R69	3.84E-09	2.60E-04	9.35E-05	6.52E-05	2.64E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	4.68E-09	3.17E-04	1.14E-04	7.95E-05	3.22E-05
R71	7.30E-09	4.93E-04	1.78E-04	1.24E-04	5.01E-05
R72	8.05E-09	5.45E-04	1.96E-04	1.37E-04	5.53E-05
R73	9.66E-09	6.53E-04	2.35E-04	1.64E-04	6.63E-05
R74	5.99E-09	4.05E-04	1.46E-04	1.02E-04	4.12E-05
R75	4.45E-09	3.01E-04	1.08E-04	7.55E-05	3.05E-05
R76	4.31E-09	2.91E-04	1.05E-04	7.32E-05	2.96E-05
R77	6.05E-09	4.09E-04	1.47E-04	1.03E-04	4.16E-05
R78	5.62E-09	3.80E-04	1.37E-04	9.55E-05	3.86E-05
R79	5.44E-09	3.68E-04	1.33E-04	9.24E-05	3.74E-05
R80	3.84E-09	2.60E-04	9.34E-05	6.52E-05	2.64E-05
R81	5.18E-09	3.50E-04	1.26E-04	8.79E-05	3.56E-05
R82	5.84E-09	3.95E-04	1.42E-04	9.92E-05	4.01E-05
R83	6.19E-09	4.19E-04	1.51E-04	1.05E-04	4.25E-05
R84	5.98E-09	4.04E-04	1.46E-04	1.02E-04	4.11E-05
R85	5.20E-09	3.51E-04	1.26E-04	8.82E-05	3.57E-05
R86	5.40E-09	3.65E-04	1.32E-04	9.17E-05	3.71E-05
R87	5.10E-09	3.45E-04	1.24E-04	8.66E-05	3.50E-05
R88	5.52E-09	3.73E-04	1.34E-04	9.37E-05	3.79E-05
R89	5.06E-09	3.42E-04	1.23E-04	8.59E-05	3.47E-05
R90	4.06E-09	2.74E-04	9.88E-05	6.89E-05	2.79E-05
R91	4.58E-09	3.10E-04	1.12E-04	7.78E-05	3.15E-05
R92	4.54E-09	3.07E-04	1.10E-04	7.70E-05	3.12E-05
R93	5.35E-09	3.62E-04	1.30E-04	9.09E-05	3.68E-05
R94	4.40E-09	2.97E-04	1.07E-04	7.46E-05	3.02E-05
R95	4.23E-09	2.86E-04	1.03E-04	7.19E-05	2.91E-05
R96	5.25E-09	3.55E-04	1.28E-04	8.91E-05	3.60E-05
R97	4.34E-09	2.94E-04	1.06E-04	7.37E-05	2.98E-05
R98	4.90E-09	3.31E-04	1.19E-04	8.32E-05	3.37E-05
R99	4.90E-09	3.31E-04	1.19E-04	8.32E-05	3.37E-05
R100	5.10E-09	3.45E-04	1.24E-04	8.66E-05	3.50E-05
R101	4.12E-09	2.79E-04	1.00E-04	7.00E-05	2.83E-05
R102	4.47E-09	3.02E-04	1.09E-04	7.59E-05	3.07E-05
R103	4.06E-09	2.74E-04	9.87E-05	6.89E-05	2.79E-05
R104	3.27E-09	2.21E-04	7.96E-05	5.55E-05	2.25E-05
R105	2.20E-09	1.49E-04	5.36E-05	3.74E-05	1.51E-05
R106	3.09E-09	2.09E-04	7.52E-05	5.25E-05	2.12E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	3.54E-09	2.39E-04	8.61E-05	6.01E-05	2.43E-05
R108	4.40E-09	2.98E-04	1.07E-04	7.47E-05	3.02E-05
R109	4.26E-09	2.88E-04	1.04E-04	7.23E-05	2.93E-05
R110	3.48E-09	2.35E-04	8.47E-05	5.91E-05	2.39E-05
R111	4.06E-09	2.74E-04	9.87E-05	6.88E-05	2.79E-05
R112	3.75E-09	2.54E-04	9.13E-05	6.37E-05	2.58E-05
R113	4.01E-09	2.71E-04	9.75E-05	6.80E-05	2.75E-05
R114	2.72E-09	1.84E-04	6.62E-05	4.61E-05	1.87E-05
R115	2.64E-09	1.79E-04	6.43E-05	4.48E-05	1.81E-05
R116	1.89E-09	1.28E-04	4.60E-05	3.21E-05	1.30E-05
R117	2.21E-09	1.49E-04	5.37E-05	3.74E-05	1.51E-05
R118	3.16E-09	2.14E-04	7.69E-05	5.36E-05	2.17E-05
R119	4.70E-09	3.18E-04	1.14E-04	7.97E-05	3.23E-05
R120	3.44E-09	2.33E-04	8.38E-05	5.84E-05	2.36E-05
R121	4.18E-09	2.83E-04	1.02E-04	7.10E-05	2.87E-05
R122	4.22E-09	2.85E-04	1.03E-04	7.16E-05	2.90E-05
R123	4.33E-09	2.93E-04	1.05E-04	7.34E-05	2.97E-05
R124	3.01E-09	2.03E-04	7.32E-05	5.10E-05	2.07E-05
R125	4.10E-09	2.77E-04	9.98E-05	6.96E-05	2.82E-05
R126	2.46E-09	1.66E-04	5.99E-05	4.17E-05	1.69E-05
R127	6.71E-09	4.54E-04	1.63E-04	1.14E-04	4.61E-05
R128	6.80E-09	4.60E-04	1.66E-04	1.15E-04	4.67E-05
Max. at boundary	3.13E-08	2.11E-03	–	–	2.15E-04

Nitrogen dioxide (NO₂)

Maximum 1-hour concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.
Criterion			164
R1	1 479.0	8.2	1 487.2
R2	1 646.0	12.3	1 658.3
R3	1 476.5	12.3	1 488.8
R4	1 673.9	12.3	1 686.2
R5	1 144.9	12.3	1 157.2
R6	1 706.7	12.3	1 719.0
R7	862.4	12.3	874.7
R8	981.1	12.3	993.4
R9	854.8	10.2	865.0
R10	1 076.6	10.2	1 086.9
R11	828.1	10.2	838.4
R12	1 266.4	8.2	1 274.6
R13	1 318.7	8.2	1 326.9
R14	1 575.5	4.1	1 579.6
R15	823.7	10.2	833.9
R16	513.9	6.1	520.1
R17	593.8	2.0	595.8
R18	578.9	2.0	580.9
R19	461.3	2.0	463.3
R20	472.7	2.0	474.8
R21	490.8	2.0	492.8
R22	417.7	8.2	425.9
R23	410.4	2.0	412.5
R24	388.6	2.0	390.6
R25	370.0	10.2	380.3
R26	335.9	10.2	346.1
R27	254.2	4.1	258.3
R28	421.8	8.2	430.0
R29	462.4	< 0.1	462.4
R30	501.9	2.0	504.0

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R31	409.2	10.2	419.4
R32	418.2	6.1	424.3
R33	361.3	8.2	369.5
R34	365.1	8.2	373.3
R35	366.3	2.0	368.3
R36	549.9	2.0	552.0
R37	557.3	2.0	559.3
R38	615.8	10.2	626.0
R39	392.1	28.7	420.8
R40	934.3	34.9	969.1
R41	956.7	12.3	969.0
R42	942.6	6.1	948.8
R43	655.7	10.2	666.0
R44	576.0	6.1	582.1
R45	582.4	12.3	594.7
R46	464.6	10.2	474.9
R47	538.7	8.2	546.9
R48	760.5	10.2	770.7
R49	958.7	12.3	971.0
R50	519.8	4.1	523.9
R51	459.6	< 0.1	459.6
R52	658.0	12.3	670.3
R53	472.6	2.0	474.7
R54	435.1	6.1	441.2
R55	491.0	2.0	493.1
R56	514.7	< 0.1	514.7
R57	394.5	8.2	402.7
R58	449.2	6.1	455.4
R59	533.1	6.1	539.3
R60	456.8	6.1	463.0
R61	423.1	12.3	435.4
R62	489.9	10.2	500.2
R63	469.1	6.1	475.3
R64	342.5	9.2	351.8
R65	503.8	2.0	505.9

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R66	521.3	4.1	525.4
R67	399.0	2.0	401.0
R68	295.2	4.1	299.3
R69	327.1	6.1	333.3
R70	390.6	4.1	394.7
R71	411.2	10.2	421.4
R72	636.5	10.2	646.8
R73	739.2	10.2	749.4
R74	443.7	12.3	456.0
R75	417.0	2.0	419.1
R76	409.9	< 0.1	409.9
R77	549.5	4.1	553.6
R78	561.6	4.1	565.7
R79	424.9	12.3	437.2
R80	366.5	10.2	376.7
R81	522.7	6.1	528.9
R82	493.2	16.4	509.6
R83	596.4	22.6	618.9
R84	471.7	6.1	477.9
R85	608.4	4.1	612.5
R86	579.1	4.1	583.2
R87	475.2	10.2	485.5
R88	419.1	12.3	431.4
R89	400.4	12.3	412.7
R90	356.1	8.2	364.3
R91	447.8	10.2	458.0
R92	391.9	8.2	400.1
R93	435.4	12.3	447.7
R94	508.4	4.1	512.5
R95	434.7	4.1	438.8
R96	515.1	8.2	523.3
R97	516.6	12.3	528.9
R98	390.6	8.2	398.8
R99	532.7	10.2	542.9
R100	391.8	6.1	398.0

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R101	436.2	8.2	444.4
R102	431.3	4.1	435.4
R103	409.0	2.0	411.0
R104	346.4	6.1	352.5
R105	253.2	4.1	257.3
R106	327.4	10.2	337.6
R107	347.5	6.1	353.7
R108	516.5	2.0	518.5
R109	506.2	2.0	508.2
R110	455.3	< 0.1	455.3
R111	410.7	2.0	412.7
R112	507.3	2.0	509.4
R113	535.5	2.0	537.6
R114	316.8	4.1	320.9
R115	384.1	6.1	390.3
R116	273.7	10.2	283.9
R117	344.7	6.1	350.9
R118	439.2	6.1	445.3
R119	386.3	2.0	388.4
R120	555.0	2.0	557.1
R121	387.2	12.3	399.5
R122	408.2	10.2	418.4
R123	450.4	< 0.1	450.4
R124	347.7	< 0.1	347.7
R125	410.2	< 0.1	410.2
R126	417.3	< 0.1	417.3
R127	498.8	2.0	500.8
R128	674.9	12.3	687.2

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	12 109.3	29/04/2021 07:00	1 210.9	0.34	< 0.1	0.635	0.1	0.02	1 479.0	8.2	1 487.2
R2	14 022.1	02/10/2021 06:00	1 402.2	0.62	< 0.1	0.635	0.1	0.02	1 646.0	12.3	1 658.3
R3	12 216.2	02/10/2021 06:00	1 221.6	0.62	< 0.1	0.635	0.1	0.02	1 476.5	12.3	1 488.8
R4	14 178.8	02/10/2021 06:00	1 417.9	0.62	< 0.1	0.635	0.1	0.02	1 673.9	12.3	1 686.2
R5	8 595.9	02/10/2021 06:00	859.6	0.62	< 0.1	0.635	0.1	0.04	1 144.9	12.3	1 157.2
R6	12 738.5	02/10/2021 06:00	1 273.8	0.62	< 0.1	0.635	0.1	0.04	1 706.7	12.3	1 719.0
R7	5 750.7	02/10/2021 06:00	575.1	0.62	< 0.1	0.635	0.1	0.06	862.4	12.3	874.7
R8	6 246.4	25/09/2021 06:00	624.6	0.53	4.36	0.635	0.1	0.06	981.1	12.3	993.4
R9	6 107.0	27/09/2021 06:00	610.7	0.16	1.09	0.635	0.1	0.04	854.8	10.2	865.0
R10	8 235.5	27/09/2021 06:00	823.5	0.16	1.09	0.635	0.1	0.03	1 076.6	10.2	1 086.9
R11	6 452.9	27/09/2021 06:00	645.3	0.16	1.09	0.635	0.1	0.03	828.1	10.2	838.4
R12	11 588.0	19/08/2021 07:00	1 158.8	0.16	4.36	0.49	0.05	0.01	1 266.4	8.2	1 274.6
R13	12 011.8	19/08/2021 07:00	1 201.2	0.16	4.36	0.49	0.05	0.01	1 318.7	8.2	1 326.9
R14	14 948.6	20/08/2021 07:00	1 494.9	< 0.1	1.09	0.49	0.05	0.01	1 575.5	4.1	1 579.6
R15	7 290.9	16/06/2021 08:00	729.1	0.19	< 0.1	0.49	0.05	0.01	823.7	10.2	833.9
R16	1 564.4	12/11/2021 18:00	156.4	1.86	29.43	0.74	0.1	0.25	513.9	6.1	520.1
R17	1 447.9	15/11/2021 04:00	144.8	2.57	22.89	0.74	0.1	0.34	593.8	2.0	595.8
R18	1 423.1	15/11/2021 04:00	142.3	2.57	22.89	0.74	0.1	0.34	578.9	2.0	580.9
R19	1 594.0	21/09/2021 17:00	159.4	2.19	32.70	0.8	0.1	0.21	461.3	2.0	463.3
R20	1 622.0	14/09/2021 06:00	162.2	2.12	25.07	0.74	0.1	0.21	472.7	2.0	474.8
R21	1 626.3	14/09/2021 06:00	162.6	2.12	25.07	0.74	0.1	0.22	490.8	2.0	492.8
R22	1 244.1	20/05/2021 17:00	124.4	1.16	22.89	0.74	0.1	0.26	417.7	8.2	425.9
R23	1 179.0	21/09/2021 17:00	117.9	2.19	32.70	0.8	0.1	0.28	410.4	2.0	412.5
R24	1 237.5	13/02/2021 19:00	123.8	2.03	13.08	0.67	0.1	0.24	388.6	2.0	390.6
R25	1 093.2	22/12/2021 01:00	109.3	1.13	37.61	0.74	0.1	0.26	370.0	10.2	380.3
R26	971.2	22/12/2021 00:00	97.1	1.77	37.61	0.74	0.1	0.27	335.9	10.2	346.1
R27	865.6	28/07/2021 19:00	86.6	3.25	28.34	0.83	0.07	0.22	254.2	4.1	258.3
R28	1 372.0	20/05/2021 17:00	137.2	1.16	22.89	0.74	0.1	0.23	421.8	8.2	430.0
R29	1 634.6	14/03/2021 17:00	163.5	1.83	15.26	0.635	0.1	0.20	462.4	< 0.1	462.4
R30	1 594.9	14/09/2021 06:00	159.5	2.12	25.07	0.74	0.1	0.24	501.9	2.0	504.0
R31	1 865.4	21/12/2021 23:00	186.5	2.45	37.61	0.74	0.1	0.13	409.2	10.2	419.4
R32	1 531.9	02/02/2021 18:00	153.2	2.02	18.53	0.67	0.1	0.19	418.2	6.1	424.3

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	1 149.2	24/05/2021 01:00	114.9	0.90	5.45	0.635	0.1	0.24	361.3	8.2	369.5
R34	1 166.0	24/05/2021 01:00	116.6	0.90	5.45	0.635	0.1	0.24	365.1	8.2	373.3
R35	1 085.3	21/11/2021 05:00	108.5	1.53	20.71	0.74	0.1	0.26	366.3	2.0	368.3
R36	1 391.2	15/11/2021 04:00	139.1	2.57	22.89	0.74	0.1	0.33	549.9	2.0	552.0
R37	1 390.0	15/11/2021 04:00	139.0	2.57	22.89	0.74	0.1	0.33	557.3	2.0	559.3
R38	3 534.5	09/09/2021 07:00	353.4	0.36	< 0.1	0.635	0.1	0.08	615.8	10.2	626.0
R39	2 039.4	10/09/2021 03:00	203.9	2.44	17.44	0.635	0.1	0.10	392.1	28.7	420.8
R40	8 219.7	16/08/2021 07:00	822.0	0.22	1.09	0.49	0.05	0.02	934.3	34.9	969.1
R41	6 611.4	02/10/2021 06:00	661.1	0.62	< 0.1	0.635	0.1	0.05	956.7	12.3	969.0
R42	5 589.3	03/10/2021 06:00	558.9	0.13	< 0.1	0.635	0.1	0.08	942.6	6.1	948.8
R43	3 473.5	14/05/2021 07:00	347.3	0.61	< 0.1	0.635	0.1	0.10	655.7	10.2	666.0
R44	3 388.5	17/10/2021 17:00	338.8	2.47	43.60	0.85	0.1	0.08	576.0	6.1	582.1
R45	3 509.5	10/02/2021 18:00	351.0	2.15	15.26	0.67	0.1	0.07	582.4	12.3	594.7
R46	2 666.9	21/12/2021 23:00	266.7	2.45	37.61	0.74	0.1	0.08	464.6	10.2	474.9
R47	3 535.6	29/04/2021 07:00	353.6	0.34	< 0.1	0.635	0.1	0.06	538.7	8.2	546.9
R48	4 715.7	20/12/2021 05:00	471.6	0.77	37.61	0.74	0.1	0.07	760.5	10.2	770.7
R49	5 384.2	25/09/2021 06:00	538.4	0.53	4.36	0.635	0.1	0.09	958.7	12.3	971.0
R50	2 818.7	26/02/2021 06:00	281.9	0.56	< 0.1	0.67	0.1	0.09	519.8	4.1	523.9
R51	2 268.6	02/01/2021 05:00	226.9	1.04	6.54	0.67	0.1	0.11	459.6	< 0.1	459.6
R52	2 763.6	25/09/2021 06:00	276.4	0.53	4.36	0.635	0.1	0.15	658.0	12.3	670.3
R53	1 889.9	21/09/2021 17:00	189.0	2.19	32.70	0.8	0.1	0.17	472.6	2.0	474.7
R54	1 806.2	02/02/2021 18:00	180.6	2.02	18.53	0.67	0.1	0.16	435.1	6.1	441.2
R55	1 834.2	21/09/2021 17:00	183.4	2.19	32.70	0.8	0.1	0.19	491.0	2.0	493.1
R56	2 100.2	14/03/2021 17:00	210.0	1.83	15.26	0.635	0.1	0.16	514.7	< 0.1	514.7
R57	1 776.6	17/02/2021 06:00	177.7	1.15	3.27	0.67	0.1	0.14	394.5	8.2	402.7
R58	1 868.6	30/03/2021 17:00	186.9	2.34	23.98	0.74	0.1	0.16	449.2	6.1	455.4
R59	2 333.6	16/11/2021 18:00	233.4	2.27	27.25	0.74	0.1	0.14	533.1	6.1	539.3
R60	1 517.6	18/01/2021 18:00	151.8	2.27	49.05	0.81	0.15	0.22	456.8	6.1	463.0
R61	2 001.4	03/02/2021 18:00	200.1	2.28	19.62	0.67	0.1	0.12	423.1	12.3	435.4
R62	2 219.3	18/12/2021 05:00	221.9	1.03	37.61	0.74	0.1	0.13	489.9	10.2	500.2
R63	2 523.5	09/04/2021 07:00	252.3	0.45	< 0.1	0.635	0.1	0.10	469.1	6.1	475.3
R64	1 337.5	15/12/2021 22:00	133.8	0.56	37.61	0.74	0.1	0.17	342.5	9.2	351.8
R65	1 667.5	15/11/2021 04:00	166.8	2.57	22.89	0.74	0.1	0.22	503.8	2.0	505.9
R66	1 780.4	15/10/2021 18:00	178.0	2.97	26.16	0.74	0.1	0.21	521.3	4.1	525.4
R67	1 579.5	17/07/2021 04:00	157.9	2.95	31.61	0.87	0.07	0.17	399.0	2.0	401.0
R68	1 328.3	28/07/2021 19:00	132.8	3.25	28.34	0.83	0.07	0.14	295.2	4.1	299.3

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	1 453.0	09/04/2021 07:00	145.3	0.45	< 0.1	0.635	0.1	0.14	327.1	6.1	333.3
R70	1 940.4	14/04/2021 07:00	194.0	< 0.1	< 0.1	0.635	0.1	0.11	390.6	4.1	394.7
R71	3 299.0	16/06/2021 08:00	329.9	0.19	< 0.1	0.49	0.05	0.03	411.2	10.2	421.4
R72	3 647.9	12/02/2021 06:00	364.8	0.23	< 0.1	0.67	0.1	0.08	636.5	10.2	646.8
R73	4 735.0	12/02/2021 06:00	473.5	0.23	< 0.1	0.67	0.1	0.06	739.2	10.2	749.4
R74	2 219.3	04/08/2021 07:00	221.9	1.88	25.07	0.83	0.07	0.11	443.7	12.3	456.0
R75	1 452.4	13/11/2021 22:00	145.2	2.01	20.71	0.74	0.1	0.21	417.0	2.0	419.1
R76	1 326.9	05/10/2021 20:00	132.7	2.56	31.61	0.8	0.1	0.23	409.9	< 0.1	409.9
R77	2 764.1	01/05/2021 07:00	276.4	0.18	< 0.1	0.635	0.1	0.11	549.5	4.1	553.6
R78	2 730.4	03/01/2021 06:00	273.0	< 0.1	2.18	0.67	0.1	0.12	561.6	4.1	565.7
R79	1 911.0	03/02/2021 18:00	191.1	2.28	19.62	0.67	0.1	0.14	424.9	12.3	437.2
R80	1 289.5	19/12/2021 05:00	128.9	0.64	37.61	0.74	0.1	0.20	366.5	10.2	376.7
R81	2 263.5	19/02/2021 18:00	226.4	2.10	14.17	0.67	0.1	0.15	522.7	6.1	528.9
R82	2 140.2	14/12/2021 18:00	214.0	1.85	22.35	0.67	0.1	0.14	493.2	16.4	509.6
R83	2 225.7	01/09/2021 17:00	222.6	1.60	33.79	0.8	0.1	0.19	596.4	22.6	618.9
R84	1 905.0	16/11/2021 18:00	190.5	2.27	27.25	0.74	0.1	0.16	471.7	6.1	477.9
R85	2 697.1	03/01/2021 06:00	269.7	< 0.1	2.18	0.67	0.1	0.14	608.4	4.1	612.5
R86	2 664.5	03/01/2021 06:00	266.5	< 0.1	2.18	0.67	0.1	0.13	579.1	4.1	583.2
R87	1 450.3	02/12/2021 18:00	145.0	1.73	42.51	0.81	0.15	0.25	475.2	10.2	485.5
R88	1 014.8	12/01/2021 18:00	101.5	2.08	65.40	0.88	0.2	0.35	419.1	12.3	431.4
R89	924.1	12/01/2021 18:00	92.4	2.08	65.40	0.88	0.2	0.37	400.4	12.3	412.7
R90	1 171.7	08/10/2021 17:00	117.2	2.19	38.15	0.8	0.1	0.23	356.1	8.2	364.3
R91	1 274.7	02/12/2021 18:00	127.5	1.73	42.51	0.81	0.15	0.28	447.8	10.2	458.0
R92	1 365.2	08/10/2021 17:00	136.5	2.19	38.15	0.8	0.1	0.21	391.9	8.2	400.1
R93	1 813.3	03/02/2021 18:00	181.3	2.28	19.62	0.67	0.1	0.16	435.4	12.3	447.7
R94	2 055.6	03/01/2021 06:00	205.6	< 0.1	2.18	0.67	0.1	0.16	508.4	4.1	512.5
R95	1 659.2	03/01/2021 06:00	165.9	< 0.1	2.18	0.67	0.1	0.18	434.7	4.1	438.8
R96	1 985.5	02/03/2021 06:00	198.6	0.83	2.18	0.635	0.1	0.18	515.1	8.2	523.3
R97	1 921.5	25/09/2021 06:00	192.2	0.53	4.36	0.635	0.1	0.19	516.6	12.3	528.9
R98	1 408.5	02/03/2021 06:00	140.9	0.83	2.18	0.635	0.1	0.20	390.6	8.2	398.8
R99	1 882.8	16/12/2021 05:00	188.3	1.29	37.61	0.74	0.1	0.20	532.7	10.2	542.9
R100	1 511.8	02/02/2021 18:00	151.2	2.02	18.53	0.67	0.1	0.18	391.8	6.1	398.0
R101	1 512.5	02/03/2021 06:00	151.2	0.83	2.18	0.635	0.1	0.21	436.2	8.2	444.4
R102	1 609.3	10/03/2021 06:00	160.9	0.99	7.63	0.635	0.1	0.19	431.3	4.1	435.4
R103	1 224.9	21/09/2021 17:00	122.5	2.19	32.70	0.8	0.1	0.26	409.0	2.0	411.0
R104	1 098.9	02/02/2021 18:00	109.9	2.02	18.53	0.67	0.1	0.24	346.4	6.1	352.5

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	929.1	18/10/2021 06:00	92.9	0.40	1.09	0.635	0.1	0.19	253.2	4.1	257.3
R106	1 094.5	19/12/2021 20:00	109.5	2.07	37.61	0.74	0.1	0.22	327.4	10.2	337.6
R107	1 144.2	09/09/2021 20:00	114.4	2.59	38.15	0.8	0.1	0.23	347.5	6.1	353.7
R108	1 623.6	12/11/2021 19:00	162.4	2.25	27.25	0.74	0.1	0.24	516.5	2.0	518.5
R109	1 559.1	13/11/2021 22:00	155.9	2.01	20.71	0.74	0.1	0.25	506.2	2.0	508.2
R110	1 368.7	25/07/2021 17:00	136.9	3.06	32.70	0.87	0.07	0.26	455.3	< 0.1	455.3
R111	1 314.5	13/11/2021 01:00	131.4	3.42	21.80	0.74	0.1	0.24	410.7	2.0	412.7
R112	1 487.7	15/11/2021 03:00	148.8	2.50	22.89	0.74	0.1	0.27	507.3	2.0	509.4
R113	1 434.6	19/09/2021 18:00	143.5	2.00	32.70	0.8	0.1	0.30	535.5	2.0	537.6
R114	886.9	25/03/2021 00:00	88.7	1.07	20.71	0.74	0.1	0.29	316.8	4.1	320.9
R115	1 101.7	09/09/2021 22:00	110.2	0.59	34.88	0.8	0.1	0.28	384.1	6.1	390.3
R116	801.3	19/12/2021 20:00	80.1	2.07	37.61	0.74	0.1	0.27	273.7	10.2	283.9
R117	859.5	09/09/2021 22:00	85.9	0.59	34.88	0.8	0.1	0.33	344.7	6.1	350.9
R118	1 139.9	12/11/2021 18:00	114.0	1.86	29.43	0.74	0.1	0.32	439.2	6.1	445.3
R119	1 422.7	13/11/2021 01:00	142.3	3.42	21.80	0.74	0.1	0.19	386.3	2.0	388.4
R120	1 432.8	15/11/2021 04:00	143.3	2.57	22.89	0.74	0.1	0.32	555.0	2.0	557.1
R121	1 341.9	15/04/2021 07:00	134.2	0.12	< 0.1	0.635	0.1	0.21	387.2	12.3	399.5
R122	1 380.3	14/05/2021 07:00	138.0	0.61	< 0.1	0.635	0.1	0.22	408.2	10.2	418.4
R123	1 277.3	15/05/2021 18:00	127.7	2.38	27.25	0.74	0.1	0.28	450.4	< 0.1	450.4
R124	896.4	05/10/2021 18:00	89.6	3.80	32.70	0.8	0.1	0.32	347.7	< 0.1	347.7
R125	1 145.4	15/05/2021 21:00	114.5	1.71	26.16	0.74	0.1	0.29	410.2	< 0.1	410.2
R126	992.6	05/10/2021 20:00	99.3	2.56	31.61	0.8	0.1	0.36	417.3	< 0.1	417.3
R127	2 199.4	14/09/2021 06:00	219.9	2.12	25.07	0.74	0.1	0.14	498.8	2.0	500.8
R128	3 237.9	25/09/2021 06:00	323.8	0.53	4.36	0.635	0.1	0.12	674.9	12.3	687.2

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R6				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/08/2021	55.9	7.8	63.7	04/05/2021	19.6	54.9	74.5
14/05/2021	54.5	9.5	64.0	02/03/2021	32.7	33.8	66.5
27/05/2021	53.9	9.3	63.2	05/03/2021	33.6	32.7	66.3
25/08/2021	49.7	5.4	55.1	25/09/2021	36.0	27.9	63.9
18/07/2021	49.1	5.7	54.8	23/04/2021	33.7	29.9	63.6
05/07/2021	47.5	10.9	58.4	17/08/2021	41.6	19.9	61.5
06/08/2021	44.4	15.4	59.8	19/01/2021	29.8	30.0	59.8
04/06/2021	42.9	8.8	51.7	16/01/2021	34.4	25.0	59.4
23/04/2021	39.8	29.9	69.7	29/04/2021	22.1	36.0	58.1
16/01/2021	38.3	25.0	63.3	27/01/2021	45.1	11.1	56.2

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/03/2021	50.2	5.9	56.1	04/05/2021	19.4	54.9	74.3
21/03/2021	42.7	12.3	55.0	05/03/2021	31.7	32.7	64.4
19/02/2021	41.4	13.4	54.8	23/04/2021	34.1	29.9	64.0
29/01/2021	37.5	8.2	45.7	02/03/2021	30.0	33.8	63.8
02/11/2021	34.5	19.1	53.6	25/09/2021	35.2	27.9	63.1
10/03/2021	33.8	21.1	54.9	17/08/2021	41.9	19.9	61.8
20/02/2021	32.6	11.4	44.0	16/01/2021	34.2	25.0	59.2
02/12/2021	29.7	15.0	44.7	19/01/2021	29.2	30.0	59.2
10/02/2021	29.4	23.8	53.2	27/11/2021	42.2	16.4	58.6
24/12/2021	27.2	13.5	40.7	29/04/2021	21.9	36.0	57.9

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	49.4	11.1	60.5	04/05/2021	19.1	54.9	74.0
28/12/2021	46.0	10.1	56.1	02/03/2021	29.0	33.8	62.8
27/12/2021	45.3	11.2	56.5	05/03/2021	29.4	32.7	62.1
08/01/2021	44.8	13.7	58.5	23/04/2021	30.9	29.9	60.8
21/11/2021	44.4	6.6	51.0	25/09/2021	32.2	27.9	60.1
17/02/2021	43.9	14.1	58.0	17/08/2021	38.2	19.9	58.1
26/12/2021	43.5	14.9	58.4	29/04/2021	21.7	36.0	57.7
26/11/2021	43.1	6.4	49.5	27/11/2021	39.6	16.4	56.0
22/11/2021	42.8	18.0	60.8	19/01/2021	25.7	30.0	55.7
07/01/2021	42.5	11.0	53.5	16/01/2021	30.6	25.0	55.6

Highest incremental PM ₁₀ impact – Receptor R41				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/10/2021	48.8	14.0	62.8	04/05/2021	17.8	54.9	72.7
04/08/2021	40.5	5.6	46.1	19/01/2021	39.1	30.0	69.1
16/10/2021	35.7	7.1	42.8	05/03/2021	33.0	32.7	65.7
18/07/2021	33.7	5.7	39.4	02/03/2021	31.1	33.8	64.9
26/06/2021	29.7	10.0	39.7	06/03/2021	39.1	25.7	64.8
16/05/2021	28.7	7.9	36.6	16/12/2021	42.4	20.0	62.4
14/05/2021	28.5	9.5	38.0	22/11/2021	42.8	18.0	60.8
15/11/2021	28.4	9.9	38.3	27/01/2021	49.4	11.1	60.5
03/10/2021	27.6	7.7	35.3	25/09/2021	31.3	27.9	59.2
02/10/2021	27.3	8.0	35.3	04/12/2021	39.4	19.4	58.8

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	47.5	13.8	61.3	23/04/2021	39.8	29.9	69.7
18/03/2021	45.4	9.1	54.5	04/05/2021	9.7	54.9	64.6
17/03/2021	44.7	13.5	58.2	14/05/2021	54.5	9.5	64.0
11/11/2021	40.9	14.5	55.4	05/08/2021	55.9	7.8	63.7
28/01/2021	40.6	16.0	56.6	16/01/2021	38.3	25.0	63.3
17/02/2021	37.9	14.1	52.0	27/05/2021	53.9	9.3	63.2
09/02/2021	36.2	19.8	56.0	06/08/2021	44.4	15.4	59.8
20/03/2021	35.4	9.9	45.3	05/07/2021	47.5	10.9	58.4
22/12/2021	33.7	15.1	48.8	25/08/2021	49.7	5.4	55.1
18/02/2021	31.8	13.9	45.7	18/07/2021	49.1	5.7	54.8

Highest incremental PM ₁₀ impact – Receptor R4				Highest cumulative PM ₁₀ impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	45.6	11.1	56.7	04/05/2021	13.9	54.9	68.8
05/08/2021	43.4	7.8	51.2	23/04/2021	27.0	29.9	56.9
27/05/2021	42.9	9.3	52.2	02/03/2021	22.7	33.8	56.5
27/11/2021	42.2	16.4	58.6	05/03/2021	22.0	32.7	54.7
17/08/2021	41.9	19.9	61.8	25/09/2021	24.5	27.9	52.4
25/08/2021	40.7	5.4	46.1	28/05/2021	37.6	14.3	51.9
26/11/2021	40.7	6.4	47.1	29/04/2021	15.3	36.0	51.3
15/02/2021	40.7	12.6	53.3	16/01/2021	24.5	25.0	49.5
28/05/2021	39.3	14.3	53.6	17/08/2021	29.0	19.9	48.9
11/12/2021	39.3	8.1	47.4	29/05/2021	38.1	9.3	47.4

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R9			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	45.1	11.1	56.2	04/05/2021	11.4	54.9	66.3
27/05/2021	42.7	9.3	52.0	19/01/2021	23.1	30.0	53.1
05/08/2021	42.7	7.8	50.5	05/03/2021	17.4	32.7	50.1
17/08/2021	41.6	19.9	61.5	02/03/2021	15.9	33.8	49.7
25/08/2021	40.2	5.4	45.6	06/03/2021	23.4	25.7	49.1
28/05/2021	37.9	14.3	52.2	09/02/2021	28.6	19.8	48.4
15/02/2021	37.9	12.6	50.5	22/11/2021	29.6	18.0	47.6
11/12/2021	37.8	8.1	45.9	19/03/2021	32.6	13.8	46.4
05/07/2021	37.6	10.9	48.5	20/04/2021	< 0.1	46.2	46.2
21/11/2021	37.6	6.6	44.2	16/04/2021	15.9	29.9	45.8

Highest incremental PM ₁₀ impact – Receptor R3				Highest cumulative PM ₁₀ impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	43.3	11.1	54.4	04/05/2021	9.9	54.9	64.8
11/12/2021	40.2	8.1	48.3	19/03/2021	47.5	13.8	61.3
27/11/2021	39.6	16.4	56.0	17/03/2021	44.7	13.5	58.2
15/02/2021	39.3	12.6	51.9	06/03/2021	31.2	25.7	56.9
28/05/2021	38.7	14.3	53.0	28/01/2021	40.6	16.0	56.6
17/08/2021	38.2	19.9	58.1	09/02/2021	36.2	19.8	56.0
14/03/2021	38.0	7.4	45.4	11/11/2021	40.9	14.5	55.4
29/05/2021	37.9	9.3	47.2	16/04/2021	25.2	29.9	55.1
13/09/2021	37.6	14.8	52.4	18/03/2021	45.4	9.1	54.5
26/11/2021	37.5	6.4	43.9	02/03/2021	20.4	33.8	54.2

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R14			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
11/11/2021	42.2	14.5	56.7	19/08/2021	36.0	28.2	64.2
17/03/2021	39.6	13.5	53.1	28/10/2021	27.6	36.6	64.2
21/03/2021	36.2	12.3	48.5	20/08/2021	28.8	34.1	62.9
20/03/2021	35.8	9.9	45.7	12/02/2021	30.8	32.0	62.8
18/03/2021	35.2	9.1	44.3	25/01/2021	28.1	33.5	61.6
18/02/2021	32.8	13.9	46.7	02/09/2021	22.4	36.0	58.4
12/10/2021	32.1	8.9	41.0	22/08/2021	26.4	32.0	58.4
21/12/2021	31.4	15.9	47.3	20/04/2021	12.1	46.2	58.3
21/10/2021	30.7	16.5	47.2	04/05/2021	1.7	54.9	56.6
21/02/2021	30.5	9.1	39.6	08/10/2021	23.2	30.5	53.7

Highest incremental PM ₁₀ impact – Receptor R44				Highest cumulative PM ₁₀ impact – Receptor R47			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	41.0	12.3	53.3	04/05/2021	9.1	54.9	64.0
19/02/2021	24.2	13.4	37.6	19/01/2021	17.9	30.0	47.9
09/11/2021	18.4	13.4	31.8	20/04/2021	< 0.1	46.2	46.2
10/03/2021	16.6	21.1	37.7	05/03/2021	10.7	32.7	43.4
28/02/2021	16.4	21.6	38.0	02/03/2021	8.6	33.8	42.4
29/01/2021	16.4	8.2	24.6	29/04/2021	5.0	36.0	41.0
10/02/2021	16.2	23.8	40.0	04/12/2021	19.9	19.4	39.3
06/04/2021	15.1	22.4	37.5	06/03/2021	13.6	25.7	39.3
24/12/2021	14.7	13.5	28.2	31/01/2021	21.1	17.5	38.6
17/01/2021	14.6	25.5	40.1	22/11/2021	19.7	18.0	37.7

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R6				Highest cumulative PM _{2.5} impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/08/2021	55.9	4.7	60.6	05/08/2021	55.9	4.7	60.6
14/05/2021	54.5	3.8	58.3	23/04/2021	39.8	19.5	59.3
27/05/2021	53.9	2.4	56.3	14/05/2021	54.5	3.8	58.3
25/08/2021	49.7	2.9	52.6	27/05/2021	53.9	2.4	56.3
18/07/2021	49.1	1.6	50.7	05/07/2021	47.5	6.2	53.7
05/07/2021	47.5	6.2	53.7	25/08/2021	49.7	2.9	52.6
06/08/2021	44.4	6.2	50.6	18/07/2021	49.1	1.6	50.7
04/06/2021	42.9	5.7	48.6	06/08/2021	44.4	6.2	50.6
23/04/2021	39.8	19.5	59.3	04/05/2021	9.7	40.3	50.0
16/01/2021	38.3	9.4	47.7	04/06/2021	42.9	5.7	48.6

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/03/2021	50.2	2.4	52.6	04/05/2021	19.6	40.3	59.9
21/03/2021	42.7	4.9	47.6	23/04/2021	33.7	19.5	53.2
19/02/2021	41.4	2.9	44.4	27/01/2021	45.1	7.0	52.1
29/01/2021	37.5	4.3	41.8	05/08/2021	42.7	4.7	47.4
02/11/2021	34.5	3.5	38.0	17/08/2021	41.6	4.5	46.1
10/03/2021	33.8	4.9	38.7	27/05/2021	42.7	2.4	45.1
20/02/2021	32.6	2.0	34.6	29/04/2021	22.1	21.8	43.9
02/12/2021	29.7	3.9	33.6	05/07/2021	37.6	6.2	43.8
10/02/2021	29.4	6.4	35.8	16/01/2021	34.4	9.4	43.8
24/12/2021	27.2	5.9	33.1	19/01/2021	29.8	13.8	43.6

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	49.4	7.0	56.4	04/05/2021	19.4	40.3	59.7
28/12/2021	46.0	1.2	47.2	23/04/2021	34.1	19.5	53.6
27/12/2021	45.3	2.0	47.3	27/01/2021	45.6	7.0	52.6
08/01/2021	44.8	2.8	47.6	27/11/2021	42.2	6.0	48.2
21/11/2021	44.4	1.9	46.3	05/08/2021	43.4	4.7	48.1
17/02/2021	43.9	4.8	48.7	17/08/2021	41.9	4.5	46.4
26/12/2021	43.5	5.8	49.3	15/02/2021	40.7	4.7	45.4
26/11/2021	43.1	1.9	45.0	27/05/2021	42.9	2.4	45.3
22/11/2021	42.8	4.4	47.2	28/05/2021	39.3	4.9	44.2
07/01/2021	42.5	2.7	45.2	29/04/2021	21.9	21.8	43.7

Highest incremental PM _{2.5} impact – Receptor R41				Highest cumulative PM _{2.5} impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/10/2021	48.8	3.8	52.6	04/05/2021	19.1	40.3	59.4
04/08/2021	40.5	1.8	42.3	23/04/2021	30.9	19.5	50.4
16/10/2021	35.7	1.9	37.6	27/01/2021	43.3	7.0	50.3
18/07/2021	33.7	1.6	35.3	27/11/2021	39.6	6.0	45.6
26/06/2021	29.7	5.8	35.5	15/02/2021	39.3	4.7	44.0
16/05/2021	28.7	3.1	31.8	28/05/2021	38.7	4.9	43.6
14/05/2021	28.5	3.8	32.3	29/04/2021	21.7	21.8	43.5
15/11/2021	28.4	2.4	30.8	17/08/2021	38.2	4.5	42.7
03/10/2021	27.6	3.8	31.4	11/12/2021	40.2	2.1	42.3
02/10/2021	27.3	2.9	30.2	14/03/2021	38.0	4.0	42.0

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	47.5	2.9	50.4	04/05/2021	17.8	40.3	58.1
18/03/2021	45.4	2.5	47.9	27/01/2021	49.4	7.0	56.4
17/03/2021	44.7	3.3	48.0	19/01/2021	39.1	13.8	52.9
11/11/2021	40.9	3.6	44.5	26/12/2021	43.5	5.8	49.3
28/01/2021	40.6	8.3	48.9	16/12/2021	42.4	6.6	49.0
17/02/2021	37.9	4.8	42.6	17/02/2021	43.9	4.8	48.7
09/02/2021	36.2	8.3	44.5	31/01/2021	40.3	8.1	48.4
20/03/2021	35.4	1.5	36.9	28/01/2021	39.4	8.3	47.7
22/12/2021	33.7	4.4	38.1	08/01/2021	44.8	2.8	47.6
18/02/2021	31.8	3.9	35.6	27/12/2021	45.3	2.0	47.3

Highest incremental PM _{2.5} impact – Receptor R4				Highest cumulative PM _{2.5} impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	45.6	7.0	52.6	04/05/2021	13.9	40.3	54.2
05/08/2021	43.4	4.7	48.1	23/04/2021	27.0	19.5	46.5
27/05/2021	42.9	2.4	45.3	05/05/2021	35.5	7.8	43.3
27/11/2021	42.2	6.0	48.2	28/05/2021	37.6	4.9	42.5
17/08/2021	41.9	4.5	46.4	29/05/2021	38.1	3.4	41.5
25/08/2021	40.7	2.9	43.6	10/07/2021	37.4	4.1	41.5
26/11/2021	40.7	1.9	42.6	14/09/2021	37.2	2.3	39.5
15/02/2021	40.7	4.7	45.4	11/12/2021	36.7	2.1	38.8
28/05/2021	39.3	4.9	44.2	20/06/2021	36.9	1.2	38.1
11/12/2021	39.3	2.1	41.4	30/05/2021	35.4	2.3	37.7

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	45.1	7.0	52.1	05/10/2021	48.8	3.8	52.6
27/05/2021	42.7	2.4	45.1	04/05/2021	3.2	40.3	43.5
05/08/2021	42.7	4.7	47.4	04/08/2021	40.5	1.8	42.3
17/08/2021	41.6	4.5	46.1	16/10/2021	35.7	1.9	37.6
25/08/2021	40.2	2.9	43.1	15/08/2021	21.1	16.1	37.2
28/05/2021	37.9	4.9	42.8	26/06/2021	29.7	5.8	35.5
15/02/2021	37.9	4.7	42.6	18/07/2021	33.7	1.6	35.3
11/12/2021	37.8	2.1	39.9	14/05/2021	28.5	3.8	32.3
05/07/2021	37.6	6.2	43.8	16/05/2021	28.7	3.1	31.8
21/11/2021	37.6	1.9	39.5	22/04/2021	18.3	13.4	31.7

Highest incremental PM _{2.5} impact – Receptor R3				Highest cumulative PM _{2.5} impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	43.3	7.0	50.3	22/03/2021	50.2	2.4	52.6
11/12/2021	40.2	2.1	42.3	21/03/2021	42.7	4.9	47.6
27/11/2021	39.6	6.0	45.6	19/02/2021	41.4	2.9	44.4
15/02/2021	39.3	4.7	44.0	04/05/2021	2.5	40.3	42.8
28/05/2021	38.7	4.9	43.6	29/01/2021	37.5	4.3	41.8
17/08/2021	38.2	4.5	42.7	10/03/2021	33.8	4.9	38.7
14/03/2021	38.0	4.0	42.0	02/11/2021	34.5	3.5	38.0
29/05/2021	37.9	3.4	41.3	10/02/2021	29.4	6.4	35.8
13/09/2021	37.6	3.2	40.8	30/04/2021	21.8	13.7	35.5
26/11/2021	37.5	1.9	39.4	20/02/2021	32.6	2.0	34.6

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R9			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
11/11/2021	42.2	3.6	45.8	04/05/2021	11.4	40.3	51.7
17/03/2021	39.6	3.3	42.9	09/02/2021	28.6	8.3	36.9
21/03/2021	36.2	4.9	41.1	19/01/2021	23.1	13.8	36.9
20/03/2021	35.8	1.5	37.3	17/02/2021	31.2	4.8	36.0
18/03/2021	35.2	2.5	37.7	19/03/2021	32.6	2.9	35.5
18/02/2021	32.8	3.9	36.6	28/01/2021	26.6	8.3	34.9
12/10/2021	32.1	3.5	35.6	01/01/2021	32.5	1.7	34.2
21/12/2021	31.4	3.7	35.0	22/11/2021	29.6	4.4	34.0
21/10/2021	30.7	4.7	35.4	16/02/2021	25.8	5.7	31.5
21/02/2021	30.5	1.2	31.7	08/02/2021	24.4	6.6	31.0

Highest incremental PM _{2.5} impact – Receptor R44				Highest cumulative PM _{2.5} impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	41.0	4.9	45.9	19/03/2021	47.5	2.9	50.4
19/02/2021	24.2	2.9	27.1	04/05/2021	9.9	40.3	50.2
09/11/2021	18.4	4.4	22.8	28/01/2021	40.6	8.3	48.9
10/03/2021	16.6	4.9	21.5	17/03/2021	44.7	3.3	48.0
28/02/2021	16.4	7.8	24.2	18/03/2021	45.4	2.5	47.9
29/01/2021	16.4	4.3	20.7	11/11/2021	40.9	3.6	44.5
10/02/2021	16.2	6.4	22.6	09/02/2021	36.2	8.3	44.5
06/04/2021	15.1	7.1	22.2	17/02/2021	37.9	4.8	42.6
24/12/2021	14.7	5.9	20.6	06/03/2021	31.2	6.9	38.1
17/01/2021	14.6	7.2	21.8	22/12/2021	33.7	4.4	38.1

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	49.4	49.4
R2	45.1	45.1
R3	43.3	43.3
R4	45.6	45.6
R5	38.1	38.1
R6	55.9	55.9
R7	37.1	37.1
R8	29.0	29.0
R9	32.6	32.6
R10	47.5	47.5
R11	42.2	42.2
R12	50.2	50.2
R13	31.2	31.2
R14	36.0	36.0
R15	27.6	27.6
R16	7.9	7.9
R17	7.4	7.4
R18	7.2	7.2
R19	12.2	12.2
R20	18.1	18.1
R21	16.0	16.0
R22	10.2	10.2
R23	8.8	8.8
R24	8.0	8.0
R25	7.1	7.1
R26	5.3	5.3
R27	3.6	3.6
R28	12.5	12.5
R29	12.4	12.4
R30	11.1	11.1
R31	11.4	11.4

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	7.0	7.0
R33	6.2	6.2
R34	6.5	6.5
R35	7.5	7.5
R36	7.3	7.3
R37	7.4	7.4
R38	21.0	21.0
R39	10.5	10.5
R40	21.9	21.9
R41	48.8	48.8
R42	38.4	38.4
R43	32.7	32.7
R44	41.0	41.0
R45	34.5	34.5
R46	25.2	25.2
R47	25.3	25.3
R48	29.0	29.0
R49	25.4	25.4
R50	23.7	23.7
R51	16.7	16.7
R52	18.2	18.2
R53	15.9	15.9
R54	9.0	9.0
R55	14.5	14.5
R56	14.9	14.9
R57	9.8	9.8
R58	13.4	13.4
R59	13.1	13.1
R60	9.9	9.9
R61	13.7	13.7
R62	7.4	7.4
R63	10.8	10.8
R64	6.2	6.2
R65	11.4	11.4
R66	9.3	9.3
R67	9.1	9.1

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	6.2	6.2
R69	6.2	6.2
R70	10.3	10.3
R71	16.8	16.8
R72	20.4	20.4
R73	24.2	24.2
R74	18.0	18.0
R75	10.3	10.3
R76	12.8	12.8
R77	9.6	9.6
R78	17.3	17.3
R79	11.8	11.8
R80	4.5	4.5
R81	11.8	11.8
R82	14.0	14.0
R83	9.1	9.1
R84	7.9	7.9
R85	13.3	13.3
R86	13.2	13.2
R87	6.9	6.9
R88	6.5	6.5
R89	5.9	5.9
R90	5.0	5.0
R91	6.2	6.2
R92	5.4	5.4
R93	9.4	9.4
R94	10.5	10.5
R95	9.0	9.0
R96	14.5	14.5
R97	11.4	11.4
R98	16.5	16.5
R99	11.2	11.2
R100	8.8	8.8
R101	11.8	11.8
R102	10.0	10.0
R103	8.7	8.7

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R104	5.3	5.3
R105	3.4	3.4
R106	4.8	4.8
R107	5.9	5.9
R108	7.5	7.5
R109	9.5	9.5
R110	8.1	8.1
R111	4.3	4.3
R112	9.1	9.1
R113	8.0	8.0
R114	2.7	2.7
R115	4.2	4.2
R116	3.1	3.1
R117	3.8	3.8
R118	6.1	6.1
R119	6.3	6.3
R120	7.4	7.4
R121	9.5	9.5
R122	14.5	14.5
R123	12.8	12.8
R124	7.1	7.1
R125	13.5	13.5
R126	6.9	6.9
R127	21.1	21.1
R128	21.4	21.4

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	4.3	0.5	4.8	3.2	0.4	3.6	0.7	< 0.1	0.7
R2	4.9	0.2	5.1	3.7	0.1	3.9	0.7	0.3	1.0
R3	4.3	0.2	4.5	3.3	0.1	3.4	0.7	0.3	1.0
R4	5.0	0.2	5.2	3.8	0.1	3.9	0.7	0.3	1.0
R5	3.0	0.2	3.2	2.3	0.1	2.4	0.6	< 0.1	0.6
R6	4.5	0.2	4.7	3.4	0.1	3.5	0.7	0.1	0.8
R7	2.0	0.2	2.2	1.5	0.1	1.7	0.5	< 0.1	0.5
R8	2.2	0.2	2.4	1.7	0.1	1.8	0.5	< 0.1	0.5
R9	2.2	0.2	2.3	1.6	0.1	1.8	0.5	< 0.1	0.5
R10	2.9	0.2	3.1	2.2	0.1	2.3	0.8	< 0.1	0.8
R11	2.3	0.2	2.4	1.7	0.1	1.8	0.8	< 0.1	0.8
R12	4.1	0.5	4.6	3.1	0.4	3.5	0.9	< 0.1	0.9
R13	4.2	0.5	4.7	3.2	0.4	3.6	0.7	0.2	0.9
R14	5.3	0.5	5.8	4.0	0.4	4.4	1.0	0.2	1.2
R15	2.6	0.3	2.9	1.9	0.2	2.2	0.6	0.2	0.7
R16	0.6	0.2	0.7	0.4	0.1	0.5	0.2	< 0.1	0.2
R17	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R18	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R19	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.2	< 0.1	0.3
R20	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R21	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R22	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.3
R23	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R24	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R25	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R26	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R27	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R28	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.3	0.1	0.4
R29	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.3	0.1	0.4
R30	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.3	< 0.1	0.3

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R32	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R33	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R34	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R35	0.4	0.2	0.6	0.3	0.1	0.4	0.2	< 0.1	0.2
R36	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R37	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R38	1.2	0.7	1.9	0.9	0.5	1.4	0.5	< 0.1	0.5
R39	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R40	2.9	0.2	3.1	2.2	0.1	2.3	0.4	0.1	0.6
R41	2.3	0.2	2.5	1.8	0.1	1.9	0.7	< 0.1	0.7
R42	2.0	0.2	2.1	1.5	0.1	1.6	0.6	< 0.1	0.7
R43	1.2	0.3	1.6	0.9	0.2	1.2	0.5	0.1	0.6
R44	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.6	< 0.1	0.6
R45	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.5	< 0.1	0.5
R46	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.4	< 0.1	0.4
R47	1.2	0.5	1.7	0.9	0.4	1.3	0.4	< 0.1	0.4
R48	1.7	0.5	2.2	1.3	0.4	1.6	0.4	< 0.1	0.4
R49	1.9	0.2	2.1	1.4	0.1	1.6	0.4	< 0.1	0.4
R50	1.0	0.5	1.5	0.8	0.4	1.1	0.4	< 0.1	0.4
R51	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R52	1.0	0.2	1.1	0.7	0.1	0.9	0.4	< 0.1	0.4
R53	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R54	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R55	0.7	0.2	0.8	0.5	0.1	0.6	0.3	< 0.1	0.3
R56	0.7	< 0.1	0.7	0.6	< 0.1	0.6	0.4	0.1	0.5
R57	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R58	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R59	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R60	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R61	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R62	0.8	0.8	1.6	0.6	0.6	1.2	0.2	< 0.1	0.2
R63	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.2	< 0.1	0.2
R64	0.7	0.8	1.5	0.5	0.6	1.2	0.2	< 0.1	0.2
R65	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.3	< 0.1	0.3

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R67	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R68	0.6	0.8	1.4	0.4	0.6	1.1	0.2	< 0.1	0.2
R69	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.1	< 0.1	0.1
R70	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R71	1.2	0.3	1.5	0.9	0.2	1.1	0.4	0.2	0.5
R72	1.5	0.3	1.8	1.1	0.2	1.4	0.4	0.2	0.6
R73	1.8	0.3	2.2	1.4	0.2	1.6	0.5	0.2	0.7
R74	0.8	0.7	1.5	0.6	0.5	1.1	0.4	< 0.1	0.4
R75	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R76	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R77	1.0	0.5	1.5	0.7	0.4	1.1	0.3	< 0.1	0.3
R78	1.0	0.2	1.1	0.7	0.1	0.9	0.3	< 0.1	0.3
R79	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R80	0.5	< 0.1	0.5	0.3	< 0.1	0.3	0.1	0.4	0.5
R81	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.2	< 0.1	0.2
R82	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R83	0.8	0.2	0.9	0.6	0.1	0.7	0.3	0.2	0.4
R84	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R85	1.0	0.2	1.1	0.7	0.1	0.8	0.2	< 0.1	0.3
R86	0.9	0.2	1.1	0.7	0.1	0.8	0.3	< 0.1	0.3
R87	0.7	0.5	1.2	0.5	0.4	0.9	0.2	< 0.1	0.2
R88	0.7	0.8	1.6	0.6	0.6	1.2	0.2	< 0.1	0.2
R89	0.7	0.8	1.5	0.5	0.6	1.1	0.2	< 0.1	0.2
R90	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R91	0.6	0.5	1.1	0.4	0.4	0.8	0.2	< 0.1	0.2
R92	0.6	0.8	1.4	0.4	0.6	1.1	0.2	< 0.1	0.2
R93	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R94	0.7	0.2	0.9	0.5	0.1	0.7	0.2	< 0.1	0.2
R95	0.6	0.2	0.7	0.4	0.1	0.6	0.2	< 0.1	0.2
R96	0.7	0.3	1.0	0.5	0.2	0.8	0.3	< 0.1	0.3
R97	0.7	0.2	0.8	0.5	0.1	0.6	0.3	< 0.1	0.3
R98	0.5	0.3	0.8	0.4	0.2	0.6	0.3	< 0.1	0.3
R99	0.7	0.2	0.8	0.5	0.1	0.6	0.3	< 0.1	0.3
R100	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	0.5	0.3	0.9	0.4	0.2	0.7	0.3	< 0.1	0.3
R102	0.6	0.2	0.7	0.4	0.1	0.6	0.2	< 0.1	0.2
R103	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R104	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R105	0.3	0.2	0.5	0.2	0.1	0.4	0.1	< 0.1	0.1
R106	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.1	< 0.1	0.2
R107	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R108	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R109	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R110	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R111	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R112	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R113	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R114	0.3	< 0.1	0.3	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.1
R115	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.1	< 0.1	0.1
R116	0.3	< 0.1	0.3	0.2	< 0.1	0.2	< 0.1	< 0.1	0.1
R117	0.3	< 0.1	0.3	0.3	< 0.1	0.3	0.1	< 0.1	0.1
R118	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R119	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R120	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R121	0.5	0.3	0.8	0.4	0.2	0.6	0.3	< 0.1	0.3
R122	0.5	0.3	0.8	0.4	0.2	0.6	0.3	< 0.1	0.3
R123	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.3	< 0.1	0.4
R124	0.3	< 0.1	0.3	0.3	< 0.1	0.3	0.2	< 0.1	0.3
R125	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	0.1	0.4
R126	0.3	< 0.1	0.3	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R127	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R128	1.1	0.2	1.3	0.9	0.1	1.0	0.4	< 0.1	0.4

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	4.1	2.9	6.9	0.7	0.2	0.9
R2	4.7	< 0.1	4.7	0.6	0.2	0.8
R3	4.1	< 0.1	4.1	0.6	0.2	0.8
R4	4.7	< 0.1	4.7	0.6	0.2	0.8
R5	2.9	< 0.1	2.9	0.5	0.7	1.2
R6	4.3	< 0.1	4.3	0.7	< 0.1	0.7
R7	1.9	< 0.1	1.9	0.5	1.5	2.0
R8	2.1	< 0.1	2.1	0.4	0.7	1.1
R9	2.0	< 0.1	2.0	0.5	< 0.1	0.5
R10	2.8	< 0.1	2.8	0.7	0.2	0.9
R11	2.2	< 0.1	2.2	0.5	< 0.1	0.5
R12	3.9	2.9	6.7	0.7	0.4	1.1
R13	4.0	2.9	6.9	0.4	0.4	0.8
R14	5.0	2.9	7.9	0.5	4.6	5.1
R15	2.4	< 0.1	2.4	0.4	8.2	8.6
R16	0.5	< 0.1	0.5	0.1	0.1	0.2
R17	0.5	< 0.1	0.5	< 0.1	1.1	1.2
R18	0.5	< 0.1	0.5	< 0.1	1.1	1.2
R19	0.6	< 0.1	0.6	0.2	0.2	0.4
R20	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R21	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R22	0.4	< 0.1	0.4	0.1	0.8	1.0
R23	0.4	< 0.1	0.4	0.1	0.2	0.4
R24	0.4	< 0.1	0.4	0.1	0.2	0.4
R25	0.4	< 0.1	0.4	0.1	0.2	0.3
R26	0.3	1.4	1.8	< 0.1	2.5	2.6
R27	0.3	2.9	3.1	< 0.1	0.6	0.6
R28	0.5	< 0.1	0.5	0.2	0.8	1.0
R29	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R30	0.5	< 0.1	0.5	0.2	< 0.1	0.2

Rec.	1-hour (µg/m³)			24-hour (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	0.6	< 0.1	0.6	0.2	< 0.1	0.2
R32	0.5	1.4	1.9	< 0.1	< 0.1	< 0.1
R33	0.4	< 0.1	0.4	< 0.1	0.2	0.3
R34	0.4	< 0.1	0.4	0.1	0.2	0.3
R35	0.4	2.9	3.3	0.1	0.1	0.2
R36	0.5	< 0.1	0.5	< 0.1	1.1	1.2
R37	0.5	< 0.1	0.5	< 0.1	1.1	1.2
R38	1.2	2.9	4.0	0.3	0.2	0.5
R39	0.7	< 0.1	0.7	0.1	1.0	1.1
R40	2.8	< 0.1	2.8	0.3	0.6	0.9
R41	2.2	< 0.1	2.2	0.7	< 0.1	0.7
R42	1.9	< 0.1	1.9	0.5	0.2	0.8
R43	1.2	< 0.1	1.2	0.4	< 0.1	0.4
R44	1.2	< 0.1	1.2	0.6	< 0.1	0.6
R45	1.2	< 0.1	1.2	0.5	< 0.1	0.5
R46	0.9	< 0.1	0.9	0.4	0.2	0.6
R47	1.2	2.9	4.0	0.3	< 0.1	0.3
R48	1.6	2.9	4.5	0.4	< 0.1	0.4
R49	1.8	< 0.1	1.8	0.3	0.7	1.1
R50	0.9	2.9	3.8	0.3	< 0.1	0.3
R51	0.8	< 0.1	0.8	0.2	0.2	0.5
R52	0.9	< 0.1	0.9	0.2	0.7	1.0
R53	0.7	< 0.1	0.7	0.2	0.2	0.5
R54	0.6	1.4	2.0	0.1	< 0.1	0.1
R55	0.6	2.9	3.5	0.2	0.2	0.5
R56	0.7	< 0.1	0.7	0.2	< 0.1	0.2
R57	0.6	2.9	3.5	0.1	< 0.1	0.1
R58	0.6	< 0.1	0.6	0.2	0.2	0.4
R59	0.8	< 0.1	0.8	0.2	< 0.1	0.2
R60	0.6	< 0.1	0.6	0.1	0.4	0.5
R61	0.7	1.4	2.1	0.2	0.4	0.6
R62	0.7	2.9	3.6	0.1	1.2	1.3
R63	0.8	< 0.1	0.8	0.2	0.6	0.8
R64	0.7	2.9	3.5	< 0.1	1.3	1.4
R65	0.6	< 0.1	0.6	0.1	< 0.1	0.1

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	0.6	< 0.1	0.6	0.1	0.1	0.2
R67	0.5	< 0.1	0.5	0.1	0.4	0.5
R68	0.5	2.9	3.4	< 0.1	0.6	0.7
R69	0.5	< 0.1	0.5	< 0.1	0.6	0.7
R70	0.6	2.9	3.5	0.1	0.6	0.7
R71	1.1	< 0.1	1.1	0.2	0.6	0.8
R72	1.4	< 0.1	1.4	0.3	8.2	8.5
R73	1.7	< 0.1	1.7	0.3	8.2	8.5
R74	0.8	2.9	3.6	0.2	< 0.1	0.2
R75	0.5	< 0.1	0.5	0.1	< 0.1	0.1
R76	0.6	< 0.1	0.6	0.2	< 0.1	0.2
R77	0.9	2.9	3.8	0.1	0.4	0.5
R78	0.9	< 0.1	0.9	0.3	0.4	0.6
R79	0.6	1.4	2.1	0.2	0.4	0.6
R80	0.4	< 0.1	0.4	< 0.1	5.8	5.9
R81	0.8	< 0.1	0.8	0.2	< 0.1	0.2
R82	0.7	< 0.1	0.7	0.2	< 0.1	0.2
R83	0.7	2.9	3.6	0.1	0.1	0.2
R84	0.6	< 0.1	0.6	0.1	0.5	0.6
R85	0.9	< 0.1	0.9	0.2	0.4	0.6
R86	0.9	< 0.1	0.9	0.2	0.4	0.6
R87	0.7	2.9	3.5	0.1	0.4	0.5
R88	0.7	2.9	3.6	< 0.1	1.3	1.4
R89	0.6	2.9	3.5	< 0.1	2.3	2.3
R90	0.4	< 0.1	0.4	< 0.1	1.3	1.4
R91	0.5	2.9	3.4	< 0.1	0.4	0.4
R92	0.5	2.9	3.4	< 0.1	1.3	1.4
R93	0.6	1.4	2.0	0.2	0.4	0.5
R94	0.7	< 0.1	0.7	0.2	0.4	0.5
R95	0.6	< 0.1	0.6	0.2	0.4	0.5
R96	0.7	2.9	3.5	0.2	< 0.1	0.2
R97	0.6	< 0.1	0.6	0.2	0.7	0.9
R98	0.5	2.9	3.3	0.2	< 0.1	0.2
R99	0.6	2.9	3.5	0.2	< 0.1	0.2
R100	0.5	1.4	1.9	0.1	< 0.1	0.1

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	0.5	2.9	3.4	0.2	< 0.1	0.2
R102	0.5	2.9	3.4	0.2	0.2	0.4
R103	0.4	< 0.1	0.4	0.1	0.2	0.4
R104	0.4	1.4	1.8	< 0.1	2.5	2.6
R105	0.3	< 0.1	0.3	< 0.1	0.7	0.8
R106	0.4	5.7	6.1	< 0.1	1.8	1.8
R107	0.4	< 0.1	0.4	< 0.1	1.0	1.0
R108	0.6	< 0.1	0.6	< 0.1	0.2	0.3
R109	0.5	< 0.1	0.5	0.1	< 0.1	0.1
R110	0.5	< 0.1	0.5	0.1	0.4	0.5
R111	0.4	< 0.1	0.4	< 0.1	< 0.1	< 0.1
R112	0.5	< 0.1	0.5	0.1	1.1	1.2
R113	0.5	< 0.1	0.5	< 0.1	< 0.1	< 0.1
R114	0.3	< 0.1	0.3	< 0.1	1.4	1.5
R115	0.4	2.9	3.2	< 0.1	0.6	0.7
R116	0.3	< 0.1	0.3	< 0.1	1.8	1.8
R117	0.3	2.9	3.2	< 0.1	0.6	0.6
R118	0.4	< 0.1	0.4	< 0.1	0.1	0.2
R119	0.5	< 0.1	0.5	< 0.1	0.4	0.5
R120	0.5	< 0.1	0.5	< 0.1	1.1	1.2
R121	0.4	2.9	3.3	0.1	1.5	1.7
R122	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R123	0.5	< 0.1	0.5	0.2	0.5	0.7
R124	0.3	< 0.1	0.3	< 0.1	0.5	0.6
R125	0.4	< 0.1	0.4	0.2	1.5	1.7
R126	0.3	< 0.1	0.3	< 0.1	< 0.1	< 0.1
R127	0.8	< 0.1	0.8	0.3	< 0.1	0.3
R128	1.1	< 0.1	1.1	0.3	0.7	1.0

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	1.40E-08	9.47E-04	3.41E-04	2.38E-04	9.62E-05
R2	1.90E-08	1.29E-03	4.64E-04	3.23E-04	1.31E-04
R3	1.89E-08	1.28E-03	4.59E-04	3.20E-04	1.30E-04
R4	1.87E-08	1.27E-03	4.56E-04	3.18E-04	1.29E-04
R5	1.61E-08	1.09E-03	3.93E-04	2.74E-04	1.11E-04
R6	1.16E-08	7.87E-04	2.83E-04	1.97E-04	7.99E-05
R7	1.15E-08	7.76E-04	2.79E-04	1.95E-04	7.88E-05
R8	1.03E-08	6.96E-04	2.51E-04	1.75E-04	7.07E-05
R9	8.46E-09	5.72E-04	2.06E-04	1.44E-04	5.81E-05
R10	1.19E-08	8.03E-04	2.89E-04	2.02E-04	8.16E-05
R11	1.29E-08	8.70E-04	3.13E-04	2.18E-04	8.83E-05
R12	1.30E-08	8.80E-04	3.17E-04	2.21E-04	8.94E-05
R13	1.10E-08	7.44E-04	2.68E-04	1.87E-04	7.56E-05
R14	1.36E-08	9.21E-04	3.32E-04	2.31E-04	9.36E-05
R15	1.09E-08	7.40E-04	2.67E-04	1.86E-04	7.52E-05
R16	4.18E-09	2.83E-04	1.02E-04	7.10E-05	2.87E-05
R17	3.14E-09	2.13E-04	7.65E-05	5.34E-05	2.16E-05
R18	3.20E-09	2.16E-04	7.78E-05	5.43E-05	2.20E-05
R19	4.45E-09	3.01E-04	1.08E-04	7.55E-05	3.05E-05
R20	4.42E-09	2.99E-04	1.07E-04	7.50E-05	3.03E-05
R21	4.23E-09	2.86E-04	1.03E-04	7.18E-05	2.91E-05
R22	3.68E-09	2.49E-04	8.96E-05	6.25E-05	2.53E-05
R23	3.57E-09	2.41E-04	8.69E-05	6.06E-05	2.45E-05
R24	3.44E-09	2.32E-04	8.36E-05	5.83E-05	2.36E-05
R25	3.28E-09	2.22E-04	7.98E-05	5.56E-05	2.25E-05
R26	2.75E-09	1.86E-04	6.69E-05	4.66E-05	1.89E-05
R27	2.15E-09	1.45E-04	5.22E-05	3.64E-05	1.47E-05
R28	4.24E-09	2.86E-04	1.03E-04	7.19E-05	2.91E-05
R29	4.37E-09	2.95E-04	1.06E-04	7.42E-05	3.00E-05
R30	4.13E-09	2.79E-04	1.00E-04	7.01E-05	2.83E-05
R31	4.88E-09	3.30E-04	1.19E-04	8.28E-05	3.35E-05
R32	3.56E-09	2.41E-04	8.66E-05	6.04E-05	2.44E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	3.07E-09	2.08E-04	7.48E-05	5.21E-05	2.11E-05
R34	3.14E-09	2.12E-04	7.63E-05	5.32E-05	2.15E-05
R35	3.30E-09	2.23E-04	8.03E-05	5.60E-05	2.27E-05
R36	3.04E-09	2.05E-04	7.40E-05	5.16E-05	2.09E-05
R37	3.18E-09	2.15E-04	7.74E-05	5.40E-05	2.18E-05
R38	8.85E-09	5.98E-04	2.15E-04	1.50E-04	6.08E-05
R39	5.63E-09	3.81E-04	1.37E-04	9.56E-05	3.87E-05
R40	1.19E-08	8.07E-04	2.90E-04	2.03E-04	8.20E-05
R41	1.12E-08	7.56E-04	2.72E-04	1.90E-04	7.67E-05
R42	9.16E-09	6.19E-04	2.23E-04	1.55E-04	6.29E-05
R43	7.97E-09	5.39E-04	1.94E-04	1.35E-04	5.47E-05
R44	1.05E-08	7.13E-04	2.57E-04	1.79E-04	7.24E-05
R45	9.10E-09	6.16E-04	2.22E-04	1.55E-04	6.25E-05
R46	7.06E-09	4.77E-04	1.72E-04	1.20E-04	4.85E-05
R47	7.75E-09	5.24E-04	1.89E-04	1.32E-04	5.32E-05
R48	7.91E-09	5.35E-04	1.93E-04	1.34E-04	5.43E-05
R49	8.05E-09	5.45E-04	1.96E-04	1.37E-04	5.53E-05
R50	8.17E-09	5.52E-04	1.99E-04	1.39E-04	5.61E-05
R51	4.86E-09	3.28E-04	1.18E-04	8.25E-05	3.34E-05
R52	4.85E-09	3.28E-04	1.18E-04	8.23E-05	3.33E-05
R53	4.74E-09	3.20E-04	1.15E-04	8.04E-05	3.25E-05
R54	4.02E-09	2.72E-04	9.79E-05	6.82E-05	2.76E-05
R55	5.18E-09	3.50E-04	1.26E-04	8.79E-05	3.56E-05
R56	4.85E-09	3.28E-04	1.18E-04	8.23E-05	3.33E-05
R57	4.20E-09	2.84E-04	1.02E-04	7.14E-05	2.89E-05
R58	4.75E-09	3.21E-04	1.16E-04	8.07E-05	3.26E-05
R59	5.39E-09	3.64E-04	1.31E-04	9.14E-05	3.70E-05
R60	5.03E-09	3.40E-04	1.22E-04	8.53E-05	3.45E-05
R61	5.08E-09	3.44E-04	1.24E-04	8.63E-05	3.49E-05
R62	4.97E-09	3.36E-04	1.21E-04	8.44E-05	3.42E-05
R63	5.19E-09	3.51E-04	1.26E-04	8.80E-05	3.56E-05
R64	4.19E-09	2.84E-04	1.02E-04	7.12E-05	2.88E-05
R65	5.09E-09	3.44E-04	1.24E-04	8.65E-05	3.50E-05
R66	4.82E-09	3.26E-04	1.17E-04	8.17E-05	3.31E-05
R67	4.74E-09	3.20E-04	1.15E-04	8.04E-05	3.25E-05
R68	3.39E-09	2.29E-04	8.25E-05	5.75E-05	2.33E-05
R69	3.38E-09	2.29E-04	8.23E-05	5.74E-05	2.32E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	4.12E-09	2.79E-04	1.00E-04	7.00E-05	2.83E-05
R71	5.70E-09	3.85E-04	1.39E-04	9.67E-05	3.91E-05
R72	6.39E-09	4.32E-04	1.56E-04	1.08E-04	4.39E-05
R73	8.54E-09	5.77E-04	2.08E-04	1.45E-04	5.86E-05
R74	5.84E-09	3.95E-04	1.42E-04	9.92E-05	4.01E-05
R75	4.36E-09	2.95E-04	1.06E-04	7.41E-05	3.00E-05
R76	4.19E-09	2.83E-04	1.02E-04	7.12E-05	2.88E-05
R77	5.46E-09	3.69E-04	1.33E-04	9.27E-05	3.75E-05
R78	5.02E-09	3.39E-04	1.22E-04	8.52E-05	3.45E-05
R79	4.88E-09	3.30E-04	1.19E-04	8.29E-05	3.35E-05
R80	3.29E-09	2.22E-04	8.00E-05	5.58E-05	2.26E-05
R81	4.81E-09	3.25E-04	1.17E-04	8.17E-05	3.30E-05
R82	5.15E-09	3.48E-04	1.25E-04	8.75E-05	3.54E-05
R83	5.35E-09	3.62E-04	1.30E-04	9.09E-05	3.68E-05
R84	5.37E-09	3.63E-04	1.31E-04	9.12E-05	3.69E-05
R85	4.45E-09	3.01E-04	1.08E-04	7.56E-05	3.06E-05
R86	4.90E-09	3.31E-04	1.19E-04	8.32E-05	3.37E-05
R87	4.47E-09	3.02E-04	1.09E-04	7.59E-05	3.07E-05
R88	4.60E-09	3.11E-04	1.12E-04	7.81E-05	3.16E-05
R89	4.26E-09	2.88E-04	1.04E-04	7.23E-05	2.93E-05
R90	3.65E-09	2.47E-04	8.89E-05	6.20E-05	2.51E-05
R91	4.06E-09	2.74E-04	9.88E-05	6.89E-05	2.79E-05
R92	4.01E-09	2.71E-04	9.76E-05	6.81E-05	2.75E-05
R93	4.63E-09	3.13E-04	1.13E-04	7.86E-05	3.18E-05
R94	4.19E-09	2.83E-04	1.02E-04	7.11E-05	2.88E-05
R95	4.14E-09	2.80E-04	1.01E-04	7.02E-05	2.84E-05
R96	4.30E-09	2.91E-04	1.05E-04	7.29E-05	2.95E-05
R97	3.94E-09	2.67E-04	9.60E-05	6.70E-05	2.71E-05
R98	3.81E-09	2.57E-04	9.27E-05	6.46E-05	2.62E-05
R99	4.55E-09	3.07E-04	1.11E-04	7.72E-05	3.12E-05
R100	4.25E-09	2.87E-04	1.03E-04	7.22E-05	2.92E-05
R101	3.57E-09	2.42E-04	8.70E-05	6.07E-05	2.45E-05
R102	3.99E-09	2.70E-04	9.70E-05	6.77E-05	2.74E-05
R103	3.57E-09	2.41E-04	8.68E-05	6.06E-05	2.45E-05
R104	2.84E-09	1.92E-04	6.90E-05	4.81E-05	1.95E-05
R105	2.18E-09	1.47E-04	5.30E-05	3.70E-05	1.50E-05
R106	2.93E-09	1.98E-04	7.13E-05	4.97E-05	2.01E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	3.25E-09	2.19E-04	7.90E-05	5.51E-05	2.23E-05
R108	4.40E-09	2.97E-04	1.07E-04	7.47E-05	3.02E-05
R109	4.23E-09	2.86E-04	1.03E-04	7.17E-05	2.90E-05
R110	3.46E-09	2.34E-04	8.41E-05	5.87E-05	2.37E-05
R111	3.64E-09	2.46E-04	8.87E-05	6.18E-05	2.50E-05
R112	3.67E-09	2.48E-04	8.92E-05	6.22E-05	2.52E-05
R113	3.96E-09	2.67E-04	9.63E-05	6.71E-05	2.72E-05
R114	2.62E-09	1.77E-04	6.38E-05	4.45E-05	1.80E-05
R115	2.55E-09	1.73E-04	6.22E-05	4.34E-05	1.75E-05
R116	1.83E-09	1.24E-04	4.45E-05	3.10E-05	1.26E-05
R117	2.16E-09	1.46E-04	5.26E-05	3.67E-05	1.49E-05
R118	3.18E-09	2.15E-04	7.75E-05	5.40E-05	2.19E-05
R119	4.33E-09	2.93E-04	1.05E-04	7.36E-05	2.98E-05
R120	3.42E-09	2.31E-04	8.33E-05	5.81E-05	2.35E-05
R121	3.82E-09	2.58E-04	9.29E-05	6.48E-05	2.62E-05
R122	4.04E-09	2.73E-04	9.83E-05	6.86E-05	2.77E-05
R123	4.25E-09	2.88E-04	1.04E-04	7.22E-05	2.92E-05
R124	2.96E-09	2.00E-04	7.19E-05	5.02E-05	2.03E-05
R125	3.76E-09	2.55E-04	9.16E-05	6.39E-05	2.59E-05
R126	2.42E-09	1.63E-04	5.88E-05	4.10E-05	1.66E-05
R127	5.42E-09	3.66E-04	1.32E-04	9.20E-05	3.72E-05
R128	5.79E-09	3.91E-04	1.41E-04	9.82E-05	3.97E-05
Max. at boundary	2.14E-08	1.45E-03	–	–	1.47E-04

Nitrogen dioxide (NO₂)

Maximum 1-hour concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.
Criterion			164
R1	2 218.5	8.2	2 226.7
R2	2 469.0	12.3	2 481.3
R3	2 214.7	12.3	2 227.0
R4	2 510.8	12.3	2 523.1
R5	1 717.4	12.3	1 729.7
R6	2 560.0	12.3	2 572.3
R7	1 293.7	12.3	1 306.0
R8	1 471.7	12.3	1 484.0
R9	1 282.2	10.2	1 292.4
R10	1 614.9	10.2	1 625.2
R11	1 242.2	10.2	1 252.5
R12	1 899.6	8.2	1 907.8
R13	1 978.1	8.2	1 986.3
R14	2 363.3	4.1	2 367.4
R15	1 235.5	10.2	1 245.7
R16	770.9	6.1	777.1
R17	890.6	2.0	892.7
R18	868.3	2.0	870.3
R19	691.9	2.0	694.0
R20	709.1	2.0	711.1
R21	736.2	2.0	738.2
R22	626.6	8.2	634.8
R23	615.7	2.0	617.7
R24	582.9	2.0	584.9
R25	555.0	10.2	565.3
R26	503.8	10.2	514.1
R27	381.3	4.1	385.4
R28	632.7	8.2	640.9
R29	693.5	< 0.1	693.5
R30	752.9	2.0	755.0

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R31	613.8	10.2	624.0
R32	627.3	6.1	633.4
R33	542.0	8.2	550.2
R34	547.6	8.2	555.8
R35	549.4	2.0	551.5
R36	824.9	2.0	826.9
R37	835.9	2.0	838.0
R38	923.7	10.2	933.9
R39	588.2	28.7	616.9
R40	1 401.4	34.9	1 436.3
R41	1 435.0	12.3	1 447.3
R42	1 413.9	6.1	1 420.1
R43	983.6	10.2	993.8
R44	863.9	6.1	870.1
R45	873.5	12.3	885.8
R46	696.9	10.2	707.2
R47	808.0	8.2	816.2
R48	1 140.7	10.2	1 150.9
R49	1 438.1	12.3	1 450.4
R50	779.7	4.1	783.8
R51	689.4	< 0.1	689.4
R52	986.9	12.3	999.2
R53	708.9	2.0	711.0
R54	652.6	6.1	658.7
R55	736.5	2.0	738.6
R56	772.0	< 0.1	772.0
R57	591.8	8.2	600.0
R58	673.9	6.1	680.0
R59	799.7	6.1	805.9
R60	685.2	6.1	691.4
R61	634.6	12.3	646.9
R62	734.9	10.2	745.1
R63	703.7	6.1	709.9
R64	513.8	9.2	523.0
R65	755.7	2.0	757.8

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R66	782.0	4.1	786.1
R67	598.4	2.0	600.5
R68	442.8	4.1	446.9
R69	490.7	6.1	496.9
R70	585.9	4.1	590.0
R71	616.8	10.2	627.0
R72	954.8	10.2	965.0
R73	1 108.8	10.2	1 119.0
R74	665.5	12.3	677.8
R75	625.5	2.0	627.6
R76	614.9	< 0.1	614.9
R77	824.3	4.1	828.4
R78	842.4	4.1	846.5
R79	637.3	12.3	649.6
R80	549.7	10.2	560.0
R81	784.1	6.1	790.3
R82	739.8	16.4	756.2
R83	894.6	22.6	917.1
R84	707.6	6.1	713.7
R85	912.6	4.1	916.7
R86	868.7	4.1	872.8
R87	712.8	10.2	723.1
R88	628.7	12.3	641.0
R89	600.6	12.3	612.9
R90	534.2	8.2	542.4
R91	671.7	10.2	681.9
R92	587.9	8.2	596.1
R93	653.0	12.3	665.3
R94	762.6	4.1	766.7
R95	652.1	4.1	656.2
R96	772.6	8.2	780.8
R97	774.9	12.3	787.2
R98	585.9	8.2	594.1
R99	799.0	10.2	809.3
R100	587.7	6.1	593.9

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R101	654.3	8.2	662.5
R102	647.0	4.1	651.1
R103	613.5	2.0	615.5
R104	519.6	6.1	525.7
R105	379.8	4.1	383.9
R106	491.0	10.2	501.3
R107	521.3	6.1	527.4
R108	774.7	2.0	776.8
R109	759.2	2.0	761.3
R110	682.9	< 0.1	682.9
R111	616.0	2.0	618.1
R112	761.0	2.0	763.0
R113	803.3	2.0	805.3
R114	475.2	4.1	479.3
R115	576.2	6.1	582.3
R116	410.5	10.2	420.8
R117	517.1	6.1	523.2
R118	658.8	6.1	664.9
R119	579.5	2.0	581.6
R120	832.5	2.0	834.6
R121	580.9	12.3	593.2
R122	612.3	10.2	622.5
R123	675.5	< 0.1	675.5
R124	521.5	< 0.1	521.5
R125	615.2	< 0.1	615.2
R126	626.0	< 0.1	626.0
R127	748.2	2.0	750.2
R128	1 012.4	12.3	1 024.7

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	18 163.9	29/04/2021 07:00	1 816.4	0.34	< 0.1	0.635	0.1	0.02	2 218.5	8.2	2 226.7
R2	21 033.2	02/10/2021 06:00	2 103.3	0.62	< 0.1	0.635	0.1	0.02	2 469.0	12.3	2 481.3
R3	18 324.2	02/10/2021 06:00	1 832.4	0.62	< 0.1	0.635	0.1	0.02	2 214.7	12.3	2 227.0
R4	21 268.2	02/10/2021 06:00	2 126.8	0.62	< 0.1	0.635	0.1	0.02	2 510.8	12.3	2 523.1
R5	12 893.9	02/10/2021 06:00	1 289.4	0.62	< 0.1	0.635	0.1	0.04	1 717.4	12.3	1 729.7
R6	19 107.7	02/10/2021 06:00	1 910.8	0.62	< 0.1	0.635	0.1	0.04	2 560.0	12.3	2 572.3
R7	8 626.1	02/10/2021 06:00	862.6	0.62	< 0.1	0.635	0.1	0.06	1 293.7	12.3	1 306.0
R8	9 369.6	25/09/2021 06:00	937.0	0.53	4.36	0.635	0.1	0.06	1 471.7	12.3	1 484.0
R9	9 160.5	27/09/2021 06:00	916.1	0.16	1.09	0.635	0.1	0.04	1 282.2	10.2	1 292.4
R10	12 353.2	27/09/2021 06:00	1 235.3	0.16	1.09	0.635	0.1	0.03	1 614.9	10.2	1 625.2
R11	9 679.3	27/09/2021 06:00	967.9	0.16	1.09	0.635	0.1	0.03	1 242.2	10.2	1 252.5
R12	17 382.0	19/08/2021 07:00	1 738.2	0.16	4.36	0.49	0.05	0.01	1 899.6	8.2	1 907.8
R13	18 017.6	19/08/2021 07:00	1 801.8	0.16	4.36	0.49	0.05	0.01	1 978.1	8.2	1 986.3
R14	22 422.9	20/08/2021 07:00	2 242.3	< 0.1	1.09	0.49	0.05	0.01	2 363.3	4.1	2 367.4
R15	10 936.3	16/06/2021 08:00	1 093.6	0.19	< 0.1	0.49	0.05	0.01	1 235.5	10.2	1 245.7
R16	2 346.6	12/11/2021 18:00	234.7	1.86	29.43	0.74	0.1	0.25	770.9	6.1	777.1
R17	2 171.8	15/11/2021 04:00	217.2	2.57	22.89	0.74	0.1	0.34	890.6	2.0	892.7
R18	2 134.6	15/11/2021 04:00	213.5	2.57	22.89	0.74	0.1	0.34	868.3	2.0	870.3
R19	2 391.0	21/09/2021 17:00	239.1	2.19	32.70	0.8	0.1	0.21	691.9	2.0	694.0
R20	2 433.0	14/09/2021 06:00	243.3	2.12	25.07	0.74	0.1	0.21	709.1	2.0	711.1
R21	2 439.4	14/09/2021 06:00	243.9	2.12	25.07	0.74	0.1	0.22	736.2	2.0	738.2
R22	1 866.2	20/05/2021 17:00	186.6	1.16	22.89	0.74	0.1	0.26	626.6	8.2	634.8
R23	1 768.5	21/09/2021 17:00	176.9	2.19	32.70	0.8	0.1	0.28	615.7	2.0	617.7
R24	1 856.3	13/02/2021 19:00	185.6	2.03	13.08	0.67	0.1	0.24	582.9	2.0	584.9
R25	1 639.9	22/12/2021 01:00	164.0	1.13	37.61	0.74	0.1	0.26	555.0	10.2	565.3
R26	1 456.8	22/12/2021 00:00	145.7	1.77	37.61	0.74	0.1	0.27	503.8	10.2	514.1
R27	1 298.5	28/07/2021 19:00	129.8	3.25	28.34	0.83	0.07	0.22	381.3	4.1	385.4
R28	2 058.0	20/05/2021 17:00	205.8	1.16	22.89	0.74	0.1	0.23	632.7	8.2	640.9
R29	2 452.0	14/03/2021 17:00	245.2	1.83	15.26	0.635	0.1	0.20	693.5	< 0.1	693.5
R30	2 392.3	14/09/2021 06:00	239.2	2.12	25.07	0.74	0.1	0.24	752.9	2.0	755.0
R31	2 798.1	21/12/2021 23:00	279.8	2.45	37.61	0.74	0.1	0.13	613.8	10.2	624.0
R32	2 297.8	02/02/2021 18:00	229.8	2.02	18.53	0.67	0.1	0.19	627.3	6.1	633.4

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	1 723.8	24/05/2021 01:00	172.4	0.90	5.45	0.635	0.1	0.24	542.0	8.2	550.2
R34	1 749.0	24/05/2021 01:00	174.9	0.90	5.45	0.635	0.1	0.24	547.6	8.2	555.8
R35	1 628.0	21/11/2021 05:00	162.8	1.53	20.71	0.74	0.1	0.26	549.4	2.0	551.5
R36	2 086.8	15/11/2021 04:00	208.7	2.57	22.89	0.74	0.1	0.33	824.9	2.0	826.9
R37	2 085.0	15/11/2021 04:00	208.5	2.57	22.89	0.74	0.1	0.33	835.9	2.0	838.0
R38	5 301.7	09/09/2021 07:00	530.2	0.36	< 0.1	0.635	0.1	0.08	923.7	10.2	933.9
R39	3 059.1	10/09/2021 03:00	305.9	2.44	17.44	0.635	0.1	0.10	588.2	28.7	616.9
R40	12 329.6	16/08/2021 07:00	1 233.0	0.22	1.09	0.49	0.05	0.02	1 401.4	34.9	1 436.3
R41	9 917.1	02/10/2021 06:00	991.7	0.62	< 0.1	0.635	0.1	0.05	1 435.0	12.3	1 447.3
R42	8 384.0	03/10/2021 06:00	838.4	0.13	< 0.1	0.635	0.1	0.08	1 413.9	6.1	1 420.1
R43	5 210.2	14/05/2021 07:00	521.0	0.61	< 0.1	0.635	0.1	0.10	983.6	10.2	993.8
R44	5 082.7	17/10/2021 17:00	508.3	2.47	43.60	0.85	0.1	0.08	863.9	6.1	870.1
R45	5 264.3	10/02/2021 18:00	526.4	2.15	15.26	0.67	0.1	0.07	873.5	12.3	885.8
R46	4 000.3	21/12/2021 23:00	400.0	2.45	37.61	0.74	0.1	0.08	696.9	10.2	707.2
R47	5 303.4	29/04/2021 07:00	530.3	0.34	< 0.1	0.635	0.1	0.06	808.0	8.2	816.2
R48	7 073.6	20/12/2021 05:00	707.4	0.77	37.61	0.74	0.1	0.07	1 140.7	10.2	1 150.9
R49	8 076.4	25/09/2021 06:00	807.6	0.53	4.36	0.635	0.1	0.09	1 438.1	12.3	1 450.4
R50	4 228.1	26/02/2021 06:00	422.8	0.56	< 0.1	0.67	0.1	0.09	779.7	4.1	783.8
R51	3 402.8	02/01/2021 05:00	340.3	1.04	6.54	0.67	0.1	0.11	689.4	< 0.1	689.4
R52	4 145.4	25/09/2021 06:00	414.5	0.53	4.36	0.635	0.1	0.15	986.9	12.3	999.2
R53	2 834.9	21/09/2021 17:00	283.5	2.19	32.70	0.8	0.1	0.17	708.9	2.0	711.0
R54	2 709.4	02/02/2021 18:00	270.9	2.02	18.53	0.67	0.1	0.16	652.6	6.1	658.7
R55	2 751.2	21/09/2021 17:00	275.1	2.19	32.70	0.8	0.1	0.19	736.5	2.0	738.6
R56	3 150.2	14/03/2021 17:00	315.0	1.83	15.26	0.635	0.1	0.16	772.0	< 0.1	772.0
R57	2 664.9	17/02/2021 06:00	266.5	1.15	3.27	0.67	0.1	0.14	591.8	8.2	600.0
R58	2 802.9	30/03/2021 17:00	280.3	2.34	23.98	0.74	0.1	0.16	673.9	6.1	680.0
R59	3 500.4	16/11/2021 18:00	350.0	2.27	27.25	0.74	0.1	0.14	799.7	6.1	805.9
R60	2 276.4	18/01/2021 18:00	227.6	2.27	49.05	0.81	0.15	0.22	685.2	6.1	691.4
R61	3 002.2	03/02/2021 18:00	300.2	2.28	19.62	0.67	0.1	0.12	634.6	12.3	646.9
R62	3 329.0	18/12/2021 05:00	332.9	1.03	37.61	0.74	0.1	0.13	734.9	10.2	745.1
R63	3 785.2	09/04/2021 07:00	378.5	0.45	< 0.1	0.635	0.1	0.10	703.7	6.1	709.9
R64	2 006.3	15/12/2021 22:00	200.6	0.56	37.61	0.74	0.1	0.17	513.8	9.2	523.0
R65	2 501.3	15/11/2021 04:00	250.1	2.57	22.89	0.74	0.1	0.22	755.7	2.0	757.8
R66	2 670.7	15/10/2021 18:00	267.1	2.97	26.16	0.74	0.1	0.21	782.0	4.1	786.1
R67	2 369.2	17/07/2021 04:00	236.9	2.95	31.61	0.87	0.07	0.17	598.4	2.0	600.5
R68	1 992.5	28/07/2021 19:00	199.2	3.25	28.34	0.83	0.07	0.14	442.8	4.1	446.9

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	2 179.5	09/04/2021 07:00	218.0	0.45	< 0.1	0.635	0.1	0.14	490.7	6.1	496.9
R70	2 910.6	14/04/2021 07:00	291.1	< 0.1	< 0.1	0.635	0.1	0.11	585.9	4.1	590.0
R71	4 948.5	16/06/2021 08:00	494.9	0.19	< 0.1	0.49	0.05	0.03	616.8	10.2	627.0
R72	5 471.9	12/02/2021 06:00	547.2	0.23	< 0.1	0.67	0.1	0.08	954.8	10.2	965.0
R73	7 102.6	12/02/2021 06:00	710.3	0.23	< 0.1	0.67	0.1	0.06	1 108.8	10.2	1 119.0
R74	3 329.0	04/08/2021 07:00	332.9	1.88	25.07	0.83	0.07	0.11	665.5	12.3	677.8
R75	2 178.6	13/11/2021 22:00	217.9	2.01	20.71	0.74	0.1	0.21	625.5	2.0	627.6
R76	1 990.4	05/10/2021 20:00	199.0	2.56	31.61	0.8	0.1	0.23	614.9	< 0.1	614.9
R77	4 146.2	01/05/2021 07:00	414.6	0.18	< 0.1	0.635	0.1	0.11	824.3	4.1	828.4
R78	4 095.6	03/01/2021 06:00	409.6	< 0.1	2.18	0.67	0.1	0.12	842.4	4.1	846.5
R79	2 866.5	03/02/2021 18:00	286.6	2.28	19.62	0.67	0.1	0.14	637.3	12.3	649.6
R80	1 934.2	19/12/2021 05:00	193.4	0.64	37.61	0.74	0.1	0.20	549.7	10.2	560.0
R81	3 395.3	19/02/2021 18:00	339.5	2.10	14.17	0.67	0.1	0.15	784.1	6.1	790.3
R82	3 210.2	14/12/2021 18:00	321.0	1.85	22.35	0.67	0.1	0.14	739.8	16.4	756.2
R83	3 338.6	01/09/2021 17:00	333.9	1.60	33.79	0.8	0.1	0.19	894.6	22.6	917.1
R84	2 857.5	16/11/2021 18:00	285.8	2.27	27.25	0.74	0.1	0.16	707.6	6.1	713.7
R85	4 045.7	03/01/2021 06:00	404.6	< 0.1	2.18	0.67	0.1	0.14	912.6	4.1	916.7
R86	3 996.8	03/01/2021 06:00	399.7	< 0.1	2.18	0.67	0.1	0.13	868.7	4.1	872.8
R87	2 175.4	02/12/2021 18:00	217.5	1.73	42.51	0.81	0.15	0.25	712.8	10.2	723.1
R88	1 522.2	12/01/2021 18:00	152.2	2.08	65.40	0.88	0.2	0.35	628.7	12.3	641.0
R89	1 386.1	12/01/2021 18:00	138.6	2.08	65.40	0.88	0.2	0.37	600.6	12.3	612.9
R90	1 757.5	08/10/2021 17:00	175.8	2.19	38.15	0.8	0.1	0.23	534.2	8.2	542.4
R91	1 912.1	02/12/2021 18:00	191.2	1.73	42.51	0.81	0.15	0.28	671.7	10.2	681.9
R92	2 047.7	08/10/2021 17:00	204.8	2.19	38.15	0.8	0.1	0.21	587.9	8.2	596.1
R93	2 719.9	03/02/2021 18:00	272.0	2.28	19.62	0.67	0.1	0.16	653.0	12.3	665.3
R94	3 083.5	03/01/2021 06:00	308.3	< 0.1	2.18	0.67	0.1	0.16	762.6	4.1	766.7
R95	2 488.7	03/01/2021 06:00	248.9	< 0.1	2.18	0.67	0.1	0.18	652.1	4.1	656.2
R96	2 978.3	02/03/2021 06:00	297.8	0.83	2.18	0.635	0.1	0.18	772.6	8.2	780.8
R97	2 882.3	25/09/2021 06:00	288.2	0.53	4.36	0.635	0.1	0.19	774.9	12.3	787.2
R98	2 112.8	02/03/2021 06:00	211.3	0.83	2.18	0.635	0.1	0.20	585.9	8.2	594.1
R99	2 824.2	16/12/2021 05:00	282.4	1.29	37.61	0.74	0.1	0.20	799.0	10.2	809.3
R100	2 267.7	02/02/2021 18:00	226.8	2.02	18.53	0.67	0.1	0.18	587.7	6.1	593.9
R101	2 268.7	02/03/2021 06:00	226.9	0.83	2.18	0.635	0.1	0.21	654.3	8.2	662.5
R102	2 414.0	10/03/2021 06:00	241.4	0.99	7.63	0.635	0.1	0.19	647.0	4.1	651.1
R103	1 837.3	21/09/2021 17:00	183.7	2.19	32.70	0.8	0.1	0.26	613.5	2.0	615.5
R104	1 648.3	02/02/2021 18:00	164.8	2.02	18.53	0.67	0.1	0.24	519.6	6.1	525.7

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	1 393.7	18/10/2021 06:00	139.4	0.40	1.09	0.635	0.1	0.19	379.8	4.1	383.9
R106	1 641.8	19/12/2021 20:00	164.2	2.07	37.61	0.74	0.1	0.22	491.0	10.2	501.3
R107	1 716.3	09/09/2021 20:00	171.6	2.59	38.15	0.8	0.1	0.23	521.3	6.1	527.4
R108	2 435.4	12/11/2021 19:00	243.5	2.25	27.25	0.74	0.1	0.24	774.7	2.0	776.8
R109	2 338.7	13/11/2021 22:00	233.9	2.01	20.71	0.74	0.1	0.25	759.2	2.0	761.3
R110	2 053.0	25/07/2021 17:00	205.3	3.06	32.70	0.87	0.07	0.26	682.9	< 0.1	682.9
R111	1 971.7	13/11/2021 01:00	197.2	3.42	21.80	0.74	0.1	0.24	616.0	2.0	618.1
R112	2 231.6	15/11/2021 03:00	223.2	2.50	22.89	0.74	0.1	0.27	761.0	2.0	763.0
R113	2 151.9	19/09/2021 18:00	215.2	2.00	32.70	0.8	0.1	0.30	803.3	2.0	805.3
R114	1 330.4	25/03/2021 00:00	133.0	1.07	20.71	0.74	0.1	0.29	475.2	4.1	479.3
R115	1 652.6	09/09/2021 22:00	165.3	0.59	34.88	0.8	0.1	0.28	576.2	6.1	582.3
R116	1 202.0	19/12/2021 20:00	120.2	2.07	37.61	0.74	0.1	0.27	410.5	10.2	420.8
R117	1 289.2	09/09/2021 22:00	128.9	0.59	34.88	0.8	0.1	0.33	517.1	6.1	523.2
R118	1 709.9	12/11/2021 18:00	171.0	1.86	29.43	0.74	0.1	0.32	658.8	6.1	664.9
R119	2 134.0	13/11/2021 01:00	213.4	3.42	21.80	0.74	0.1	0.19	579.5	2.0	581.6
R120	2 149.2	15/11/2021 04:00	214.9	2.57	22.89	0.74	0.1	0.32	832.5	2.0	834.6
R121	2 012.9	15/04/2021 07:00	201.3	0.12	< 0.1	0.635	0.1	0.21	580.9	12.3	593.2
R122	2 070.4	14/05/2021 07:00	207.0	0.61	< 0.1	0.635	0.1	0.22	612.3	10.2	622.5
R123	1 915.9	15/05/2021 18:00	191.6	2.38	27.25	0.74	0.1	0.28	675.5	< 0.1	675.5
R124	1 344.6	05/10/2021 18:00	134.5	3.80	32.70	0.8	0.1	0.32	521.5	< 0.1	521.5
R125	1 718.1	15/05/2021 21:00	171.8	1.71	26.16	0.74	0.1	0.29	615.2	< 0.1	615.2
R126	1 488.9	05/10/2021 20:00	148.9	2.56	31.61	0.8	0.1	0.36	626.0	< 0.1	626.0
R127	3 299.1	14/09/2021 06:00	329.9	2.12	25.07	0.74	0.1	0.14	748.2	2.0	750.2
R128	4 856.8	25/09/2021 06:00	485.7	0.53	4.36	0.635	0.1	0.12	1 012.4	12.3	1 024.7

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R6				Highest cumulative PM ₁₀ impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/08/2021	83.9	7.8	91.7	05/08/2021	83.9	7.8	91.7
14/05/2021	81.8	9.5	91.3	14/05/2021	81.8	9.5	91.3
27/05/2021	80.8	9.3	90.1	27/05/2021	80.8	9.3	90.1
25/08/2021	74.6	5.4	80.0	23/04/2021	59.8	29.9	89.7
18/07/2021	73.6	5.7	79.3	16/01/2021	57.4	25.0	82.4
05/07/2021	71.2	10.9	82.1	05/07/2021	71.2	10.9	82.1
06/08/2021	66.7	15.4	82.1	06/08/2021	66.7	15.4	82.1
04/06/2021	64.3	8.8	73.1	25/08/2021	74.6	5.4	80.0
23/04/2021	59.8	29.9	89.7	18/07/2021	73.6	5.7	79.3
16/01/2021	57.4	25.0	82.4	04/06/2021	64.3	8.8	73.1

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/03/2021	75.3	5.9	81.2	19/01/2021	58.7	30.0	88.7
21/03/2021	64.0	12.3	76.3	27/01/2021	74.2	11.1	85.3
19/02/2021	62.1	13.4	75.5	06/03/2021	58.6	25.7	84.3
29/01/2021	56.2	8.2	64.4	16/12/2021	63.6	20.0	83.6
02/11/2021	51.7	19.1	70.8	22/11/2021	64.3	18.0	82.3
10/03/2021	50.8	21.1	71.9	05/03/2021	49.5	32.7	82.2
20/02/2021	48.9	11.4	60.3	04/05/2021	26.7	54.9	81.6
02/12/2021	44.5	15.0	59.5	08/01/2021	67.1	13.7	80.8
10/02/2021	44.1	23.8	67.9	02/03/2021	46.6	33.8	80.4
24/12/2021	40.7	13.5	54.2	26/12/2021	65.2	14.9	80.1

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	74.2	11.1	85.3	05/10/2021	73.2	14.0	87.2
28/12/2021	69.0	10.1	79.1	04/08/2021	60.7	5.6	66.3
27/12/2021	67.9	11.2	79.1	16/10/2021	53.5	7.1	60.6
08/01/2021	67.1	13.7	80.8	04/05/2021	4.9	54.9	59.8
21/11/2021	66.6	6.6	73.2	18/07/2021	50.6	5.7	56.3
17/02/2021	65.9	14.1	80.0	26/06/2021	44.5	10.0	54.5
26/12/2021	65.2	14.9	80.1	15/08/2021	31.6	21.9	53.5
26/11/2021	64.7	6.4	71.1	15/11/2021	42.5	9.9	52.4
22/11/2021	64.3	18.0	82.3	14/05/2021	42.8	9.5	52.3
07/01/2021	63.7	11.0	74.7	10/04/2021	38.0	13.0	51.0

Highest incremental PM ₁₀ impact – Receptor R41				Highest cumulative PM ₁₀ impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/10/2021	73.2	14.0	87.2	19/03/2021	71.2	13.8	85.0
04/08/2021	60.7	5.6	66.3	17/03/2021	67.0	13.5	80.5
16/10/2021	53.5	7.1	60.6	18/03/2021	68.2	9.1	77.3
18/07/2021	50.6	5.7	56.3	28/01/2021	60.9	16.0	76.9
26/06/2021	44.5	10.0	54.5	11/11/2021	61.4	14.5	75.9
16/05/2021	43.0	7.9	50.9	09/02/2021	54.4	19.8	74.2
14/05/2021	42.8	9.5	52.3	06/03/2021	46.8	25.7	72.5
15/11/2021	42.5	9.9	52.4	17/02/2021	56.8	14.1	70.9
03/10/2021	41.4	7.7	49.1	04/05/2021	14.9	54.9	69.8
02/10/2021	41.0	8.0	49.0	16/04/2021	37.8	29.9	67.7

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	71.2	13.8	85.0	04/05/2021	29.4	54.9	84.3
18/03/2021	68.2	9.1	77.3	05/03/2021	50.3	32.7	83.0
17/03/2021	67.0	13.5	80.5	02/03/2021	49.0	33.8	82.8
11/11/2021	61.4	14.5	75.9	17/08/2021	62.4	19.9	82.3
28/01/2021	60.9	16.0	76.9	25/09/2021	54.0	27.9	81.9
17/02/2021	56.8	14.1	70.9	23/04/2021	50.6	29.9	80.5
09/02/2021	54.4	19.8	74.2	27/01/2021	67.7	11.1	78.8
20/03/2021	53.2	9.9	63.1	16/01/2021	51.6	25.0	76.6
22/12/2021	50.5	15.1	65.6	19/01/2021	44.6	30.0	74.6
18/02/2021	47.7	13.9	61.6	27/05/2021	64.0	9.3	73.3

Highest incremental PM ₁₀ impact – Receptor R4				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	68.4	11.1	79.5	04/05/2021	29.1	54.9	84.0
05/08/2021	65.1	7.8	72.9	17/08/2021	62.9	19.9	82.8
27/05/2021	64.4	9.3	73.7	23/04/2021	51.2	29.9	81.1
27/11/2021	63.3	16.4	79.7	25/09/2021	52.8	27.9	80.7
17/08/2021	62.9	19.9	82.8	05/03/2021	47.6	32.7	80.3
25/08/2021	61.1	5.4	66.5	27/11/2021	63.3	16.4	79.7
26/11/2021	61.0	6.4	67.4	27/01/2021	68.4	11.1	79.5
15/02/2021	61.0	12.6	73.6	02/03/2021	45.0	33.8	78.8
28/05/2021	59.0	14.3	73.3	16/01/2021	51.3	25.0	76.3
11/12/2021	58.9	8.1	67.0	19/01/2021	43.7	30.0	73.7

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	67.7	11.1	78.8	04/05/2021	28.6	54.9	83.5
27/05/2021	64.0	9.3	73.3	02/03/2021	43.6	33.8	77.4
05/08/2021	64.0	7.8	71.8	17/08/2021	57.2	19.9	77.1
17/08/2021	62.4	19.9	82.3	05/03/2021	44.2	32.7	76.9
25/08/2021	60.3	5.4	65.7	23/04/2021	46.4	29.9	76.3
28/05/2021	56.9	14.3	71.2	25/09/2021	48.3	27.9	76.2
15/02/2021	56.8	12.6	69.4	27/01/2021	64.9	11.1	76.0
11/12/2021	56.7	8.1	64.8	27/11/2021	59.4	16.4	75.8
05/07/2021	56.4	10.9	67.3	28/05/2021	58.0	14.3	72.3
21/11/2021	56.3	6.6	62.9	15/02/2021	59.0	12.6	71.6

Highest incremental PM ₁₀ impact – Receptor R3				Highest cumulative PM ₁₀ impact – Receptor R14			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	64.9	11.1	76.0	19/08/2021	54.1	28.2	82.3
11/12/2021	60.3	8.1	68.4	12/02/2021	46.1	32.0	78.1
27/11/2021	59.4	16.4	75.8	28/10/2021	41.4	36.6	78.0
15/02/2021	59.0	12.6	71.6	20/08/2021	43.2	34.1	77.3
28/05/2021	58.0	14.3	72.3	25/01/2021	42.2	33.5	75.7
17/08/2021	57.2	19.9	77.1	22/08/2021	39.6	32.0	71.6
14/03/2021	57.0	7.4	64.4	02/09/2021	33.6	36.0	69.6
29/05/2021	56.8	9.3	66.1	24/01/2021	42.2	25.4	67.6
13/09/2021	56.4	14.8	71.2	05/02/2021	46.0	20.5	66.5
26/11/2021	56.2	6.4	62.6	03/09/2021	45.7	19.8	65.5

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
11/11/2021	63.3	14.5	77.8	22/03/2021	75.3	5.9	81.2
17/03/2021	59.4	13.5	72.9	21/03/2021	64.0	12.3	76.3
21/03/2021	54.3	12.3	66.6	19/02/2021	62.1	13.4	75.5
20/03/2021	53.7	9.9	63.6	10/03/2021	50.8	21.1	71.9
18/03/2021	52.8	9.1	61.9	02/11/2021	51.7	19.1	70.8
18/02/2021	49.2	13.9	63.1	10/02/2021	44.1	23.8	67.9
12/10/2021	48.2	8.9	57.1	29/01/2021	56.2	8.2	64.4
21/12/2021	47.0	15.9	63.0	30/11/2021	38.3	26.0	64.3
21/10/2021	46.0	16.5	62.5	17/11/2021	40.2	21.5	61.7
21/02/2021	45.7	9.1	54.8	20/02/2021	48.9	11.4	60.3

Highest incremental PM ₁₀ impact – Receptor R44				Highest cumulative PM ₁₀ impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	61.5	12.3	73.8	11/11/2021	63.3	14.5	77.8
19/02/2021	36.2	13.4	49.6	17/03/2021	59.4	13.5	72.9
09/11/2021	27.7	13.4	41.1	27/04/2021	36.0	35.4	71.4
10/03/2021	24.9	21.1	46.0	21/03/2021	54.3	12.3	66.6
28/02/2021	24.7	21.6	46.3	10/02/2021	41.5	23.8	65.3
29/01/2021	24.6	8.2	32.8	14/12/2021	43.6	21.6	65.2
10/02/2021	24.3	23.8	48.1	03/12/2021	36.2	28.9	65.1
06/04/2021	22.7	22.4	45.1	04/05/2021	9.5	54.9	64.4
24/12/2021	22.1	13.5	35.6	20/03/2021	53.7	9.9	63.6
17/01/2021	21.9	25.5	47.4	05/04/2021	37.5	25.8	63.3

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R6				Highest cumulative PM _{2.5} impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/08/2021	83.9	4.7	88.6	05/08/2021	83.9	4.7	88.6
14/05/2021	81.8	3.8	85.6	14/05/2021	81.8	3.8	85.6
27/05/2021	80.8	2.4	83.2	27/05/2021	80.8	2.4	83.2
25/08/2021	74.6	2.9	77.5	23/04/2021	59.8	19.5	79.3
18/07/2021	73.6	1.6	75.2	25/08/2021	74.6	2.9	77.5
05/07/2021	71.2	6.2	77.4	05/07/2021	71.2	6.2	77.4
06/08/2021	66.7	6.2	72.9	18/07/2021	73.6	1.6	75.2
04/06/2021	64.3	5.7	70.0	06/08/2021	66.7	6.2	72.9
23/04/2021	59.8	19.5	79.3	04/06/2021	64.3	5.7	70.0
16/01/2021	57.4	9.4	66.8	16/01/2021	57.4	9.4	66.8

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/03/2021	75.3	2.4	77.7	27/01/2021	74.2	7.0	81.2
21/03/2021	64.0	4.9	68.9	19/01/2021	58.7	13.8	72.5
19/02/2021	62.1	2.9	65.1	26/12/2021	65.2	5.8	71.0
29/01/2021	56.2	4.3	60.5	17/02/2021	65.9	4.8	70.7
02/11/2021	51.7	3.5	55.2	16/12/2021	63.6	6.6	70.2
10/03/2021	50.8	4.9	55.7	28/12/2021	69.0	1.2	70.2
20/02/2021	48.9	2.0	50.9	08/01/2021	67.1	2.8	69.9
02/12/2021	44.5	3.9	48.4	27/12/2021	67.9	2.0	69.9
10/02/2021	44.1	6.4	50.5	22/11/2021	64.3	4.4	68.7
24/12/2021	40.7	5.9	46.6	31/01/2021	60.5	8.1	68.6

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	74.2	7.0	81.2	22/03/2021	75.3	2.4	77.7
28/12/2021	69.0	1.2	70.2	21/03/2021	64.0	4.9	68.9
27/12/2021	67.9	2.0	69.9	19/02/2021	62.1	2.9	65.1
08/01/2021	67.1	2.8	69.9	29/01/2021	56.2	4.3	60.5
21/11/2021	66.6	1.9	68.5	10/03/2021	50.8	4.9	55.7
17/02/2021	65.9	4.8	70.7	02/11/2021	51.7	3.5	55.2
26/12/2021	65.2	5.8	71.0	20/02/2021	48.9	2.0	50.9
26/11/2021	64.7	1.9	66.6	10/02/2021	44.1	6.4	50.5
22/11/2021	64.3	4.4	68.7	02/12/2021	44.5	3.9	48.4
07/01/2021	63.7	2.7	66.4	03/02/2021	39.0	7.7	46.7

Highest incremental PM _{2.5} impact – Receptor R41				Highest cumulative PM _{2.5} impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/10/2021	73.2	3.8	77.0	05/10/2021	73.2	3.8	77.0
04/08/2021	60.7	1.8	62.5	04/08/2021	60.7	1.8	62.5
16/10/2021	53.5	1.9	55.4	16/10/2021	53.5	1.9	55.4
18/07/2021	50.6	1.6	52.2	18/07/2021	50.6	1.6	52.2
26/06/2021	44.5	5.8	50.3	26/06/2021	44.5	5.8	50.3
16/05/2021	43.0	3.1	46.1	15/08/2021	31.6	16.1	47.7
14/05/2021	42.8	3.8	46.6	14/05/2021	42.8	3.8	46.6
15/11/2021	42.5	2.4	44.9	16/05/2021	43.0	3.1	46.1
03/10/2021	41.4	3.8	45.2	03/10/2021	41.4	3.8	45.2
02/10/2021	41.0	2.9	43.9	04/05/2021	4.9	40.3	45.2

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	71.2	2.9	74.1	27/01/2021	68.4	7.0	75.4
18/03/2021	68.2	2.5	70.7	23/04/2021	51.2	19.5	70.7
17/03/2021	67.0	3.3	70.3	05/08/2021	65.1	4.7	69.8
11/11/2021	61.4	3.6	65.0	04/05/2021	29.1	40.3	69.4
28/01/2021	60.9	8.3	69.2	27/11/2021	63.3	6.0	69.3
17/02/2021	56.8	4.8	61.6	17/08/2021	62.9	4.5	67.4
09/02/2021	54.4	8.3	62.7	27/05/2021	64.4	2.4	66.8
20/03/2021	53.2	1.5	54.7	15/02/2021	61.0	4.7	65.7
22/12/2021	50.5	4.4	54.9	25/08/2021	61.1	2.9	64.0
18/02/2021	47.7	3.9	51.5	28/05/2021	59.0	4.9	63.9

Highest incremental PM _{2.5} impact – Receptor R4				Highest cumulative PM _{2.5} impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	68.4	7.0	75.4	27/01/2021	67.7	7.0	74.7
05/08/2021	65.1	4.7	69.8	23/04/2021	50.6	19.5	70.1
27/05/2021	64.4	2.4	66.8	04/05/2021	29.4	40.3	69.7
27/11/2021	63.3	6.0	69.3	05/08/2021	64.0	4.7	68.7
17/08/2021	62.9	4.5	67.4	17/08/2021	62.4	4.5	66.9
25/08/2021	61.1	2.9	64.0	27/05/2021	64.0	2.4	66.4
26/11/2021	61.0	1.9	62.9	25/08/2021	60.3	2.9	63.2
15/02/2021	61.0	4.7	65.7	05/07/2021	56.4	6.2	62.6
28/05/2021	59.0	4.9	63.9	06/09/2021	56.2	5.8	62.0
11/12/2021	58.9	2.1	61.0	28/05/2021	56.9	4.9	61.8

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	67.7	7.0	74.7	19/03/2021	71.2	2.9	74.1
27/05/2021	64.0	2.4	66.4	18/03/2021	68.2	2.5	70.7
05/08/2021	64.0	4.7	68.7	17/03/2021	67.0	3.3	70.3
17/08/2021	62.4	4.5	66.9	28/01/2021	60.9	8.3	69.2
25/08/2021	60.3	2.9	63.2	11/11/2021	61.4	3.6	65.0
28/05/2021	56.9	4.9	61.8	09/02/2021	54.4	8.3	62.7
15/02/2021	56.8	4.7	61.5	17/02/2021	56.8	4.8	61.6
11/12/2021	56.7	2.1	58.8	04/05/2021	14.9	40.3	55.2
05/07/2021	56.4	6.2	62.6	22/12/2021	50.5	4.4	54.9
21/11/2021	56.3	1.9	58.2	20/03/2021	53.2	1.5	54.7

Highest incremental PM _{2.5} impact – Receptor R3				Highest cumulative PM _{2.5} impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	64.9	7.0	71.9	27/01/2021	64.9	7.0	71.9
11/12/2021	60.3	2.1	62.4	04/05/2021	28.6	40.3	68.9
27/11/2021	59.4	6.0	65.4	23/04/2021	46.4	19.5	65.9
15/02/2021	59.0	4.7	63.7	27/11/2021	59.4	6.0	65.4
28/05/2021	58.0	4.9	62.9	15/02/2021	59.0	4.7	63.7
17/08/2021	57.2	4.5	61.7	28/05/2021	58.0	4.9	62.9
14/03/2021	57.0	4.0	61.0	11/12/2021	60.3	2.1	62.4
29/05/2021	56.8	3.4	60.2	17/08/2021	57.2	4.5	61.7
13/09/2021	56.4	3.2	59.6	14/03/2021	57.0	4.0	61.0
26/11/2021	56.2	1.9	58.1	29/05/2021	56.8	3.4	60.2

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
11/11/2021	63.3	3.6	66.9	11/11/2021	63.3	3.6	66.9
17/03/2021	59.4	3.3	62.7	17/03/2021	59.4	3.3	62.7
21/03/2021	54.3	4.9	59.2	21/03/2021	54.3	4.9	59.2
20/03/2021	53.7	1.5	55.2	18/03/2021	52.8	2.5	55.3
18/03/2021	52.8	2.5	55.3	20/03/2021	53.7	1.5	55.2
18/02/2021	49.2	3.9	53.0	18/02/2021	49.2	3.9	53.0
12/10/2021	48.2	3.5	51.7	12/10/2021	48.2	3.5	51.7
21/12/2021	47.0	3.7	50.7	21/12/2021	47.0	3.7	50.7
21/10/2021	46.0	4.7	50.7	21/10/2021	46.0	4.7	50.7
21/02/2021	45.7	1.2	46.9	04/05/2021	9.5	40.3	49.8

Highest incremental PM _{2.5} impact – Receptor R44				Highest cumulative PM _{2.5} impact – Receptor R44			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	61.5	4.9	66.4	21/03/2021	61.5	4.9	66.4
19/02/2021	36.2	2.9	39.2	04/05/2021	0.8	40.3	41.1
09/11/2021	27.7	4.4	32.1	19/02/2021	36.2	2.9	39.2
10/03/2021	24.9	4.9	29.8	28/02/2021	24.7	7.8	32.5
28/02/2021	24.7	7.8	32.5	09/11/2021	27.7	4.4	32.1
29/01/2021	24.6	4.3	28.9	10/02/2021	24.3	6.4	30.7
10/02/2021	24.3	6.4	30.7	10/03/2021	24.9	4.9	29.8
06/04/2021	22.7	7.1	29.8	06/04/2021	22.7	7.1	29.8
24/12/2021	22.1	5.9	28.0	17/01/2021	21.9	7.2	29.1
17/01/2021	21.9	7.2	29.1	29/01/2021	24.6	4.3	28.9

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	74.2	74.2
R2	67.7	67.7
R3	64.9	64.9
R4	68.4	68.4
R5	57.1	57.1
R6	83.9	83.9
R7	55.7	55.7
R8	43.4	43.4
R9	48.9	48.9
R10	71.2	71.2
R11	63.3	63.3
R12	75.3	75.3
R13	46.8	46.8
R14	54.1	54.1
R15	41.3	41.3
R16	11.8	11.8
R17	11.0	11.0
R18	10.7	10.7
R19	18.3	18.3
R20	27.2	27.2
R21	24.1	24.1
R22	15.3	15.3
R23	13.3	13.3
R24	12.0	12.0
R25	10.6	10.6
R26	7.9	7.9
R27	5.3	5.3
R28	18.7	18.7
R29	18.6	18.6
R30	16.7	16.7
R31	17.0	17.0

Rec.	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)
R32	10.4	10.4
R33	9.3	9.3
R34	9.8	9.8
R35	11.2	11.2
R36	11.0	11.0
R37	11.0	11.0
R38	31.5	31.5
R39	15.7	15.7
R40	32.8	32.8
R41	73.2	73.2
R42	57.5	57.5
R43	49.1	49.1
R44	61.5	61.5
R45	51.7	51.7
R46	37.8	37.8
R47	38.0	38.0
R48	43.4	43.4
R49	38.2	38.2
R50	35.6	35.6
R51	25.0	25.0
R52	27.3	27.3
R53	23.8	23.8
R54	13.5	13.5
R55	21.8	21.8
R56	22.4	22.4
R57	14.7	14.7
R58	20.1	20.1
R59	19.6	19.6
R60	14.8	14.8
R61	20.6	20.6
R62	11.2	11.2
R63	16.1	16.1
R64	9.4	9.4
R65	17.0	17.0
R66	14.0	14.0
R67	13.7	13.7

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	9.3	9.3
R69	9.3	9.3
R70	15.4	15.4
R71	25.2	25.2
R72	30.6	30.6
R73	36.3	36.3
R74	27.0	27.0
R75	15.4	15.4
R76	19.2	19.2
R77	14.4	14.4
R78	26.0	26.0
R79	17.8	17.8
R80	6.7	6.7
R81	17.7	17.7
R82	21.0	21.0
R83	13.6	13.6
R84	11.9	11.9
R85	19.9	19.9
R86	19.8	19.8
R87	10.3	10.3
R88	9.7	9.7
R89	8.8	8.8
R90	7.6	7.6
R91	9.3	9.3
R92	8.1	8.1
R93	14.1	14.1
R94	15.7	15.7
R95	13.5	13.5
R96	21.8	21.8
R97	17.1	17.1
R98	24.8	24.8
R99	16.8	16.8
R100	13.2	13.2
R101	17.7	17.7
R102	14.9	14.9
R103	13.1	13.1

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R104	8.0	8.0
R105	5.1	5.1
R106	7.2	7.2
R107	8.9	8.9
R108	11.2	11.2
R109	14.3	14.3
R110	12.1	12.1
R111	6.4	6.4
R112	13.6	13.6
R113	12.0	12.0
R114	4.0	4.0
R115	6.3	6.3
R116	4.6	4.6
R117	5.7	5.7
R118	9.2	9.2
R119	9.4	9.4
R120	11.2	11.2
R121	14.3	14.3
R122	21.7	21.7
R123	19.2	19.2
R124	10.7	10.7
R125	20.3	20.3
R126	10.4	10.4
R127	31.7	31.7
R128	32.1	32.1

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	6.4	0.5	6.9	4.9	0.4	5.2	1.0	< 0.1	1.0
R2	7.4	0.2	7.6	5.6	0.1	5.7	1.1	0.3	1.4
R3	6.5	0.2	6.6	4.9	0.1	5.0	1.0	0.3	1.3
R4	7.5	0.2	7.7	5.7	0.1	5.8	1.0	0.3	1.3
R5	4.5	0.2	4.7	3.4	0.1	3.6	0.8	< 0.1	0.9
R6	6.7	0.2	6.9	5.1	0.1	5.2	1.0	0.1	1.1
R7	3.0	0.2	3.2	2.3	0.1	2.4	0.7	< 0.1	0.7
R8	3.3	0.2	3.5	2.5	0.1	2.6	0.7	< 0.1	0.7
R9	3.2	0.2	3.4	2.4	0.1	2.6	0.8	< 0.1	0.8
R10	4.4	0.2	4.5	3.3	0.1	3.4	1.1	< 0.1	1.2
R11	3.4	0.2	3.6	2.6	0.1	2.7	1.2	< 0.1	1.2
R12	6.1	0.5	6.6	4.6	0.4	5.0	1.4	< 0.1	1.4
R13	6.4	0.5	6.8	4.8	0.4	5.2	1.0	0.2	1.2
R14	7.9	0.5	8.4	6.0	0.4	6.4	1.6	0.2	1.7
R15	3.9	0.3	4.2	2.9	0.2	3.2	0.8	0.2	1.0
R16	0.8	0.2	1.0	0.6	0.1	0.8	0.3	< 0.1	0.3
R17	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R18	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R19	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.3	< 0.1	0.4
R20	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.5	< 0.1	0.5
R21	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.5	< 0.1	0.5
R22	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.4	< 0.1	0.4
R23	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R24	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R25	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R26	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R27	0.5	< 0.1	0.5	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R28	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.4	0.1	0.5
R29	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.5	0.1	0.6
R30	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.5	< 0.1	0.5

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	1.0	< 0.1	1.0	0.7	< 0.1	0.7	0.4	< 0.1	0.4
R32	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R33	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R34	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R35	0.6	0.2	0.8	0.5	0.1	0.6	0.3	< 0.1	0.3
R36	0.7	< 0.1	0.7	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R37	0.7	< 0.1	0.7	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R38	1.9	0.7	2.5	1.4	0.5	1.9	0.8	< 0.1	0.8
R39	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R40	4.3	0.2	4.5	3.3	0.1	3.4	0.7	0.1	0.8
R41	3.5	0.2	3.7	2.6	0.1	2.8	1.0	< 0.1	1.0
R42	3.0	0.2	3.1	2.2	0.1	2.4	1.0	< 0.1	1.0
R43	1.8	0.3	2.2	1.4	0.2	1.6	0.8	0.1	0.9
R44	2.0	< 0.1	2.0	1.5	< 0.1	1.5	0.9	< 0.1	0.9
R45	1.9	< 0.1	1.9	1.4	< 0.1	1.4	0.8	< 0.1	0.8
R46	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.6	< 0.1	0.6
R47	1.9	0.5	2.4	1.4	0.4	1.8	0.6	< 0.1	0.6
R48	2.5	0.5	3.0	1.9	0.4	2.3	0.6	< 0.1	0.6
R49	2.8	0.2	3.0	2.2	0.1	2.3	0.6	< 0.1	0.6
R50	1.5	0.5	2.0	1.1	0.4	1.5	0.5	< 0.1	0.5
R51	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.4	< 0.1	0.4
R52	1.5	0.2	1.6	1.1	0.1	1.2	0.5	< 0.1	0.5
R53	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R54	1.0	< 0.1	1.0	0.7	< 0.1	0.7	0.3	< 0.1	0.3
R55	1.0	0.2	1.2	0.8	0.1	0.9	0.4	< 0.1	0.5
R56	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.5	0.1	0.7
R57	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.3	< 0.1	0.3
R58	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R59	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.5	< 0.1	0.5
R60	1.0	< 0.1	1.0	0.7	< 0.1	0.7	0.4	< 0.1	0.4
R61	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R62	1.2	0.8	2.0	0.9	0.6	1.5	0.3	< 0.1	0.3
R63	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.4	< 0.1	0.4
R64	1.0	0.8	1.9	0.8	0.6	1.4	0.3	< 0.1	0.3
R65	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.5	< 0.1	0.5

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R67	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.5	< 0.1	0.5
R68	0.8	0.8	1.7	0.6	0.6	1.3	0.3	< 0.1	0.3
R69	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.2	< 0.1	0.2
R70	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.3	< 0.1	0.3
R71	1.7	0.3	2.1	1.3	0.2	1.6	0.5	0.2	0.7
R72	2.2	0.3	2.6	1.7	0.2	1.9	0.7	0.2	0.8
R73	2.7	0.3	3.1	2.1	0.2	2.3	0.7	0.2	0.9
R74	1.2	0.7	1.9	0.9	0.5	1.4	0.5	< 0.1	0.5
R75	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.5	< 0.1	0.5
R76	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.4	< 0.1	0.4
R77	1.5	0.5	2.0	1.1	0.4	1.5	0.4	< 0.1	0.4
R78	1.4	0.2	1.6	1.1	0.1	1.2	0.4	< 0.1	0.4
R79	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R80	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.2	0.4	0.6
R81	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.4	< 0.1	0.4
R82	1.1	< 0.1	1.1	0.9	< 0.1	0.9	0.6	< 0.1	0.6
R83	1.2	0.2	1.3	0.9	0.1	1.0	0.4	0.2	0.5
R84	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R85	1.4	0.2	1.6	1.1	0.1	1.2	0.4	< 0.1	0.4
R86	1.4	0.2	1.6	1.1	0.1	1.2	0.4	< 0.1	0.4
R87	1.0	0.5	1.5	0.8	0.4	1.2	0.4	< 0.1	0.4
R88	1.1	0.8	1.9	0.8	0.6	1.5	0.3	< 0.1	0.3
R89	1.0	0.8	1.8	0.8	0.6	1.4	0.3	< 0.1	0.3
R90	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R91	0.9	0.5	1.3	0.6	0.4	1.0	0.3	< 0.1	0.3
R92	0.9	0.8	1.7	0.7	0.6	1.3	0.3	< 0.1	0.3
R93	1.0	< 0.1	1.0	0.7	< 0.1	0.7	0.3	< 0.1	0.3
R94	1.1	0.2	1.3	0.8	0.1	0.9	0.3	< 0.1	0.3
R95	0.9	0.2	1.0	0.7	0.1	0.8	0.3	< 0.1	0.3
R96	1.0	0.3	1.4	0.8	0.2	1.0	0.5	< 0.1	0.5
R97	1.0	0.2	1.2	0.8	0.1	0.9	0.4	< 0.1	0.4
R98	0.7	0.3	1.1	0.6	0.2	0.8	0.4	< 0.1	0.4
R99	1.0	0.2	1.2	0.8	0.1	0.9	0.4	< 0.1	0.4
R100	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	0.8	0.3	1.1	0.6	0.2	0.9	0.4	< 0.1	0.4
R102	0.9	0.2	1.0	0.6	0.1	0.8	0.3	< 0.1	0.4
R103	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R104	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R105	0.5	0.2	0.7	0.4	0.1	0.5	0.2	< 0.1	0.2
R106	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R107	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R108	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.3	< 0.1	0.3
R109	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.5	< 0.1	0.5
R110	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R111	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.4	< 0.1	0.4
R112	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R113	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R114	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.1	< 0.1	0.1
R115	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R116	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.1	< 0.1	0.2
R117	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R118	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R119	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R120	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R121	0.7	0.3	1.0	0.5	0.2	0.8	0.4	< 0.1	0.4
R122	0.7	0.3	1.1	0.6	0.2	0.8	0.4	< 0.1	0.4
R123	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.5	< 0.1	0.5
R124	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.3	< 0.1	0.4
R125	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.4	0.1	0.5
R126	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R127	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.6	< 0.1	0.6
R128	1.7	0.2	1.9	1.3	0.1	1.4	0.6	< 0.1	0.6

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations (µg·m⁻³).

Rec.	1-hour (µg/m³)			24-hour (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	6.1	2.9	8.9	1.0	0.2	1.2
R2	7.0	< 0.1	7.0	0.9	0.2	1.1
R3	6.1	< 0.1	6.1	0.9	0.2	1.1
R4	7.1	< 0.1	7.1	0.9	0.2	1.2
R5	4.3	< 0.1	4.3	0.8	0.7	1.5
R6	6.4	< 0.1	6.4	1.1	< 0.1	1.1
R7	2.9	< 0.1	2.9	0.7	1.5	2.3
R8	3.1	< 0.1	3.1	0.6	0.7	1.3
R9	3.1	< 0.1	3.1	0.7	< 0.1	0.7
R10	4.1	< 0.1	4.1	1.0	0.2	1.2
R11	3.2	< 0.1	3.2	0.8	< 0.1	0.8
R12	5.8	2.9	8.7	1.1	0.4	1.4
R13	6.0	2.9	8.9	0.6	0.4	1.0
R14	7.5	2.9	10.4	0.7	4.6	5.4
R15	3.7	< 0.1	3.7	0.5	8.2	8.8
R16	0.8	< 0.1	0.8	0.2	0.1	0.3
R17	0.7	< 0.1	0.7	0.1	1.1	1.2
R18	0.7	< 0.1	0.7	0.1	1.1	1.2
R19	0.8	< 0.1	0.8	0.3	0.2	0.5
R20	0.8	< 0.1	0.8	0.3	< 0.1	0.3
R21	0.8	< 0.1	0.8	0.3	< 0.1	0.3
R22	0.6	< 0.1	0.6	0.2	0.8	1.0
R23	0.7	< 0.1	0.7	0.2	0.2	0.4
R24	0.6	< 0.1	0.6	0.2	0.2	0.4
R25	0.6	< 0.1	0.6	0.2	0.2	0.4
R26	0.5	1.4	1.9	0.1	2.5	2.6
R27	0.4	2.9	3.3	< 0.1	0.6	0.7
R28	0.7	< 0.1	0.7	0.3	0.8	1.1
R29	0.8	< 0.1	0.8	0.3	< 0.1	0.3
R30	0.8	< 0.1	0.8	0.3	< 0.1	0.3

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	0.9	< 0.1	0.9	0.2	< 0.1	0.2
R32	0.8	1.4	2.2	0.1	< 0.1	0.1
R33	0.6	< 0.1	0.6	0.1	0.2	0.4
R34	0.6	< 0.1	0.6	0.2	0.2	0.4
R35	0.6	2.9	3.5	0.2	0.1	0.3
R36	0.7	< 0.1	0.7	0.1	1.1	1.2
R37	0.7	< 0.1	0.7	0.1	1.1	1.2
R38	1.8	2.9	4.6	0.4	0.2	0.6
R39	1.0	< 0.1	1.0	0.2	1.0	1.1
R40	4.1	< 0.1	4.1	0.4	0.6	1.0
R41	3.3	< 0.1	3.3	1.0	< 0.1	1.0
R42	2.8	< 0.1	2.8	0.8	0.2	1.0
R43	1.7	< 0.1	1.7	0.6	< 0.1	0.6
R44	1.9	< 0.1	1.9	0.9	< 0.1	0.9
R45	1.8	< 0.1	1.8	0.7	< 0.1	0.7
R46	1.3	< 0.1	1.3	0.5	0.2	0.8
R47	1.8	2.9	4.6	0.5	< 0.1	0.5
R48	2.4	2.9	5.2	0.6	< 0.1	0.6
R49	2.7	< 0.1	2.7	0.5	0.7	1.2
R50	1.4	2.9	4.3	0.5	< 0.1	0.5
R51	1.1	< 0.1	1.1	0.3	0.2	0.6
R52	1.4	< 0.1	1.4	0.4	0.7	1.1
R53	1.0	< 0.1	1.0	0.4	0.2	0.6
R54	0.9	1.4	2.3	0.2	< 0.1	0.2
R55	1.0	2.9	3.8	0.3	0.2	0.6
R56	1.1	< 0.1	1.1	0.3	< 0.1	0.3
R57	0.9	2.9	3.8	0.2	< 0.1	0.2
R58	1.0	< 0.1	1.0	0.3	0.2	0.6
R59	1.2	< 0.1	1.2	0.3	< 0.1	0.3
R60	0.9	< 0.1	0.9	0.2	0.4	0.6
R61	1.0	1.4	2.4	0.3	0.4	0.7
R62	1.1	2.9	4.0	0.2	1.2	1.3
R63	1.3	< 0.1	1.3	0.2	0.6	0.8
R64	1.0	2.9	3.8	0.1	1.3	1.4
R65	0.9	< 0.1	0.9	0.2	< 0.1	0.2

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	1.0	< 0.1	1.0	0.2	0.1	0.3
R67	0.8	< 0.1	0.8	0.2	0.4	0.6
R68	0.8	2.9	3.7	0.1	0.6	0.7
R69	0.7	< 0.1	0.7	0.1	0.6	0.7
R70	1.0	2.9	3.8	0.2	0.6	0.8
R71	1.7	< 0.1	1.7	0.3	0.6	0.9
R72	2.1	< 0.1	2.1	0.4	8.2	8.6
R73	2.6	< 0.1	2.6	0.5	8.2	8.7
R74	1.1	2.9	4.0	0.4	< 0.1	0.4
R75	0.8	< 0.1	0.8	0.2	< 0.1	0.2
R76	0.8	< 0.1	0.8	0.2	< 0.1	0.2
R77	1.4	2.9	4.2	0.2	0.4	0.6
R78	1.4	< 0.1	1.4	0.4	0.4	0.8
R79	1.0	1.4	2.4	0.3	0.4	0.6
R80	0.6	< 0.1	0.6	< 0.1	5.8	5.9
R81	1.1	< 0.1	1.1	0.3	< 0.1	0.3
R82	1.1	< 0.1	1.1	0.4	< 0.1	0.4
R83	1.1	2.9	4.0	0.2	0.1	0.3
R84	1.0	< 0.1	1.0	0.2	0.5	0.6
R85	1.4	< 0.1	1.4	0.3	0.4	0.7
R86	1.3	< 0.1	1.3	0.3	0.4	0.7
R87	1.0	2.9	3.8	0.2	0.4	0.5
R88	1.1	2.9	3.9	0.1	1.3	1.4
R89	1.0	2.9	3.8	0.1	2.3	2.4
R90	0.6	< 0.1	0.6	0.1	1.3	1.4
R91	0.8	2.9	3.7	0.1	0.4	0.5
R92	0.8	2.9	3.7	0.1	1.3	1.4
R93	0.9	1.4	2.3	0.2	0.4	0.6
R94	1.0	< 0.1	1.0	0.3	0.4	0.6
R95	0.8	< 0.1	0.8	0.2	0.4	0.6
R96	1.0	2.9	3.9	0.3	< 0.1	0.3
R97	1.0	< 0.1	1.0	0.2	0.7	0.9
R98	0.7	2.9	3.6	0.3	< 0.1	0.3
R99	0.9	2.9	3.8	0.3	< 0.1	0.3
R100	0.8	1.4	2.2	0.2	< 0.1	0.2

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	0.8	2.9	3.6	0.3	< 0.1	0.3
R102	0.8	2.9	3.7	0.2	0.2	0.5
R103	0.6	< 0.1	0.6	0.2	0.2	0.4
R104	0.6	1.4	2.0	0.1	2.5	2.6
R105	0.5	< 0.1	0.5	< 0.1	0.7	0.8
R106	0.6	5.7	6.3	< 0.1	1.8	1.9
R107	0.6	< 0.1	0.6	0.1	1.0	1.1
R108	0.9	< 0.1	0.9	0.1	0.2	0.4
R109	0.8	< 0.1	0.8	0.2	< 0.1	0.2
R110	0.7	< 0.1	0.7	0.2	0.4	0.5
R111	0.7	< 0.1	0.7	0.1	< 0.1	0.1
R112	0.8	< 0.1	0.8	0.2	1.1	1.2
R113	0.7	< 0.1	0.7	0.1	< 0.1	0.1
R114	0.4	< 0.1	0.4	< 0.1	1.4	1.5
R115	0.6	2.9	3.4	< 0.1	0.6	0.7
R116	0.4	< 0.1	0.4	< 0.1	1.8	1.8
R117	0.5	2.9	3.3	< 0.1	0.6	0.7
R118	0.6	< 0.1	0.6	0.1	0.1	0.2
R119	0.7	< 0.1	0.7	0.1	0.4	0.5
R120	0.7	< 0.1	0.7	0.1	1.1	1.2
R121	0.7	2.9	3.5	0.2	1.5	1.7
R122	0.7	< 0.1	0.7	0.3	< 0.1	0.3
R123	0.7	< 0.1	0.7	0.3	0.5	0.7
R124	0.5	< 0.1	0.5	0.1	0.5	0.6
R125	0.6	< 0.1	0.6	0.3	1.5	1.8
R126	0.5	< 0.1	0.5	0.1	< 0.1	0.1
R127	1.1	< 0.1	1.1	0.4	< 0.1	0.4
R128	1.6	< 0.1	1.6	0.4	0.7	1.1

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	2.10E-08	1.42E-03	5.12E-04	3.57E-04	1.44E-04
R2	2.86E-08	1.93E-03	6.96E-04	4.85E-04	1.96E-04
R3	2.83E-08	1.91E-03	6.89E-04	4.80E-04	1.94E-04
R4	2.81E-08	1.90E-03	6.84E-04	4.77E-04	1.93E-04
R5	2.42E-08	1.64E-03	5.89E-04	4.11E-04	1.66E-04
R6	1.75E-08	1.18E-03	4.25E-04	2.96E-04	1.20E-04
R7	1.72E-08	1.16E-03	4.19E-04	2.92E-04	1.18E-04
R8	1.54E-08	1.04E-03	3.76E-04	2.62E-04	1.06E-04
R9	1.27E-08	8.58E-04	3.09E-04	2.15E-04	8.72E-05
R10	1.78E-08	1.20E-03	4.34E-04	3.03E-04	1.22E-04
R11	1.93E-08	1.30E-03	4.70E-04	3.27E-04	1.32E-04
R12	1.95E-08	1.32E-03	4.75E-04	3.31E-04	1.34E-04
R13	1.65E-08	1.12E-03	4.02E-04	2.80E-04	1.13E-04
R14	2.04E-08	1.38E-03	4.98E-04	3.47E-04	1.40E-04
R15	1.64E-08	1.11E-03	4.00E-04	2.79E-04	1.13E-04
R16	6.28E-09	4.24E-04	1.53E-04	1.07E-04	4.31E-05
R17	4.72E-09	3.19E-04	1.15E-04	8.00E-05	3.24E-05
R18	4.79E-09	3.24E-04	1.17E-04	8.14E-05	3.29E-05
R19	6.67E-09	4.51E-04	1.62E-04	1.13E-04	4.58E-05
R20	6.62E-09	4.48E-04	1.61E-04	1.12E-04	4.55E-05
R21	6.35E-09	4.29E-04	1.55E-04	1.08E-04	4.36E-05
R22	5.52E-09	3.73E-04	1.34E-04	9.37E-05	3.79E-05
R23	5.36E-09	3.62E-04	1.30E-04	9.09E-05	3.68E-05
R24	5.15E-09	3.49E-04	1.25E-04	8.75E-05	3.54E-05
R25	4.92E-09	3.32E-04	1.20E-04	8.35E-05	3.38E-05
R26	4.12E-09	2.79E-04	1.00E-04	7.00E-05	2.83E-05
R27	3.22E-09	2.18E-04	7.83E-05	5.46E-05	2.21E-05
R28	6.35E-09	4.30E-04	1.55E-04	1.08E-04	4.36E-05
R29	6.55E-09	4.43E-04	1.60E-04	1.11E-04	4.50E-05
R30	6.19E-09	4.19E-04	1.51E-04	1.05E-04	4.25E-05
R31	7.31E-09	4.95E-04	1.78E-04	1.24E-04	5.02E-05
R32	5.34E-09	3.61E-04	1.30E-04	9.06E-05	3.67E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	4.61E-09	3.12E-04	1.12E-04	7.82E-05	3.16E-05
R34	4.70E-09	3.18E-04	1.15E-04	7.99E-05	3.23E-05
R35	4.95E-09	3.34E-04	1.20E-04	8.40E-05	3.40E-05
R36	4.56E-09	3.08E-04	1.11E-04	7.74E-05	3.13E-05
R37	4.77E-09	3.22E-04	1.16E-04	8.10E-05	3.28E-05
R38	1.33E-08	8.98E-04	3.23E-04	2.25E-04	9.12E-05
R39	8.45E-09	5.71E-04	2.06E-04	1.43E-04	5.80E-05
R40	1.79E-08	1.21E-03	4.36E-04	3.04E-04	1.23E-04
R41	1.68E-08	1.13E-03	4.08E-04	2.85E-04	1.15E-04
R42	1.37E-08	9.29E-04	3.34E-04	2.33E-04	9.43E-05
R43	1.20E-08	8.08E-04	2.91E-04	2.03E-04	8.21E-05
R44	1.58E-08	1.07E-03	3.85E-04	2.69E-04	1.09E-04
R45	1.37E-08	9.23E-04	3.32E-04	2.32E-04	9.38E-05
R46	1.06E-08	7.16E-04	2.58E-04	1.80E-04	7.27E-05
R47	1.16E-08	7.86E-04	2.83E-04	1.97E-04	7.98E-05
R48	1.19E-08	8.02E-04	2.89E-04	2.01E-04	8.15E-05
R49	1.21E-08	8.17E-04	2.94E-04	2.05E-04	8.30E-05
R50	1.22E-08	8.28E-04	2.98E-04	2.08E-04	8.41E-05
R51	7.29E-09	4.93E-04	1.77E-04	1.24E-04	5.00E-05
R52	7.27E-09	4.92E-04	1.77E-04	1.23E-04	4.99E-05
R53	7.11E-09	4.81E-04	1.73E-04	1.21E-04	4.88E-05
R54	6.03E-09	4.08E-04	1.47E-04	1.02E-04	4.14E-05
R55	7.77E-09	5.25E-04	1.89E-04	1.32E-04	5.34E-05
R56	7.27E-09	4.92E-04	1.77E-04	1.23E-04	4.99E-05
R57	6.31E-09	4.26E-04	1.54E-04	1.07E-04	4.33E-05
R58	7.13E-09	4.82E-04	1.74E-04	1.21E-04	4.90E-05
R59	8.08E-09	5.46E-04	1.97E-04	1.37E-04	5.55E-05
R60	7.54E-09	5.10E-04	1.84E-04	1.28E-04	5.18E-05
R61	7.62E-09	5.15E-04	1.86E-04	1.29E-04	5.24E-05
R62	7.46E-09	5.05E-04	1.82E-04	1.27E-04	5.13E-05
R63	7.78E-09	5.26E-04	1.89E-04	1.32E-04	5.34E-05
R64	6.29E-09	4.25E-04	1.53E-04	1.07E-04	4.32E-05
R65	7.64E-09	5.17E-04	1.86E-04	1.30E-04	5.25E-05
R66	7.22E-09	4.88E-04	1.76E-04	1.23E-04	4.96E-05
R67	7.11E-09	4.81E-04	1.73E-04	1.21E-04	4.88E-05
R68	5.08E-09	3.44E-04	1.24E-04	8.63E-05	3.49E-05
R69	5.07E-09	3.43E-04	1.23E-04	8.61E-05	3.48E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	6.18E-09	4.18E-04	1.51E-04	1.05E-04	4.25E-05
R71	8.55E-09	5.78E-04	2.08E-04	1.45E-04	5.87E-05
R72	9.59E-09	6.48E-04	2.33E-04	1.63E-04	6.58E-05
R73	1.28E-08	8.66E-04	3.12E-04	2.17E-04	8.79E-05
R74	8.76E-09	5.93E-04	2.13E-04	1.49E-04	6.02E-05
R75	6.55E-09	4.43E-04	1.59E-04	1.11E-04	4.50E-05
R76	6.29E-09	4.25E-04	1.53E-04	1.07E-04	4.32E-05
R77	8.19E-09	5.54E-04	1.99E-04	1.39E-04	5.63E-05
R78	7.53E-09	5.09E-04	1.83E-04	1.28E-04	5.17E-05
R79	7.32E-09	4.95E-04	1.78E-04	1.24E-04	5.03E-05
R80	4.93E-09	3.33E-04	1.20E-04	8.37E-05	3.38E-05
R81	7.22E-09	4.88E-04	1.76E-04	1.22E-04	4.96E-05
R82	7.73E-09	5.23E-04	1.88E-04	1.31E-04	5.31E-05
R83	8.03E-09	5.43E-04	1.95E-04	1.36E-04	5.51E-05
R84	8.06E-09	5.45E-04	1.96E-04	1.37E-04	5.54E-05
R85	6.68E-09	4.52E-04	1.63E-04	1.13E-04	4.59E-05
R86	7.35E-09	4.97E-04	1.79E-04	1.25E-04	5.05E-05
R87	6.70E-09	4.53E-04	1.63E-04	1.14E-04	4.61E-05
R88	6.90E-09	4.66E-04	1.68E-04	1.17E-04	4.74E-05
R89	6.39E-09	4.32E-04	1.56E-04	1.08E-04	4.39E-05
R90	5.48E-09	3.70E-04	1.33E-04	9.30E-05	3.76E-05
R91	6.09E-09	4.12E-04	1.48E-04	1.03E-04	4.18E-05
R92	6.02E-09	4.07E-04	1.46E-04	1.02E-04	4.13E-05
R93	6.94E-09	4.70E-04	1.69E-04	1.18E-04	4.77E-05
R94	6.28E-09	4.25E-04	1.53E-04	1.07E-04	4.32E-05
R95	6.21E-09	4.20E-04	1.51E-04	1.05E-04	4.26E-05
R96	6.45E-09	4.36E-04	1.57E-04	1.09E-04	4.43E-05
R97	5.92E-09	4.00E-04	1.44E-04	1.00E-04	4.06E-05
R98	5.71E-09	3.86E-04	1.39E-04	9.69E-05	3.92E-05
R99	6.82E-09	4.61E-04	1.66E-04	1.16E-04	4.68E-05
R100	6.38E-09	4.31E-04	1.55E-04	1.08E-04	4.38E-05
R101	5.36E-09	3.62E-04	1.30E-04	9.10E-05	3.68E-05
R102	5.98E-09	4.04E-04	1.46E-04	1.01E-04	4.11E-05
R103	5.35E-09	3.62E-04	1.30E-04	9.08E-05	3.67E-05
R104	4.25E-09	2.88E-04	1.04E-04	7.22E-05	2.92E-05
R105	3.27E-09	2.21E-04	7.95E-05	5.55E-05	2.24E-05
R106	4.40E-09	2.97E-04	1.07E-04	7.46E-05	3.02E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	4.87E-09	3.29E-04	1.18E-04	8.26E-05	3.34E-05
R108	6.60E-09	4.46E-04	1.61E-04	1.12E-04	4.53E-05
R109	6.34E-09	4.29E-04	1.54E-04	1.08E-04	4.35E-05
R110	5.18E-09	3.51E-04	1.26E-04	8.80E-05	3.56E-05
R111	5.46E-09	3.69E-04	1.33E-04	9.28E-05	3.75E-05
R112	5.50E-09	3.72E-04	1.34E-04	9.34E-05	3.78E-05
R113	5.93E-09	4.01E-04	1.44E-04	1.01E-04	4.07E-05
R114	3.93E-09	2.66E-04	9.56E-05	6.67E-05	2.70E-05
R115	3.83E-09	2.59E-04	9.33E-05	6.50E-05	2.63E-05
R116	2.74E-09	1.85E-04	6.68E-05	4.66E-05	1.88E-05
R117	3.24E-09	2.19E-04	7.90E-05	5.51E-05	2.23E-05
R118	4.77E-09	3.23E-04	1.16E-04	8.10E-05	3.28E-05
R119	6.50E-09	4.40E-04	1.58E-04	1.10E-04	4.46E-05
R120	5.13E-09	3.47E-04	1.25E-04	8.71E-05	3.53E-05
R121	5.73E-09	3.87E-04	1.39E-04	9.72E-05	3.93E-05
R122	6.06E-09	4.10E-04	1.47E-04	1.03E-04	4.16E-05
R123	6.38E-09	4.31E-04	1.55E-04	1.08E-04	4.38E-05
R124	4.43E-09	3.00E-04	1.08E-04	7.52E-05	3.04E-05
R125	5.65E-09	3.82E-04	1.37E-04	9.58E-05	3.88E-05
R126	3.62E-09	2.45E-04	8.82E-05	6.15E-05	2.49E-05
R127	8.13E-09	5.50E-04	1.98E-04	1.38E-04	5.58E-05
R128	8.68E-09	5.87E-04	2.11E-04	1.47E-04	5.96E-05
Max. at boundary	3.21E-08	2.17E-03	–	–	2.20E-04

Nitrogen dioxide (NO₂)

Maximum 1-hour concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.
Criterion			164
R1	2 958.0	8.2	2 966.2
R2	3 291.9	12.3	3 304.2
R3	2 952.9	12.3	2 965.2
R4	3 347.8	12.3	3 360.1
R5	2 289.8	12.3	2 302.1
R6	3 413.4	12.3	3 425.7
R7	1 724.9	12.3	1 737.2
R8	1 962.2	12.3	1 974.5
R9	1 709.6	10.2	1 719.8
R10	2 153.2	10.2	2 163.5
R11	1 656.3	10.2	1 666.5
R12	2 532.8	8.2	2 541.0
R13	2 637.4	8.2	2 645.6
R14	3 151.0	4.1	3 155.1
R15	1 647.3	10.2	1 657.6
R16	1 027.9	6.1	1 034.0
R17	1 187.5	2.0	1 189.6
R18	1 157.7	2.0	1 159.8
R19	922.5	2.0	924.6
R20	945.4	2.0	947.5
R21	981.6	2.0	983.6
R22	835.5	8.2	843.7
R23	820.9	2.0	822.9
R24	777.2	2.0	779.2
R25	740.0	10.2	750.3
R26	671.8	10.2	682.0
R27	508.4	4.1	512.5
R28	843.6	8.2	851.8
R29	924.7	< 0.1	924.7
R30	1 003.9	2.0	1 005.9

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R31	818.4	10.2	828.6
R32	836.4	6.1	842.5
R33	722.7	8.2	730.9
R34	730.2	8.2	738.4
R35	732.6	2.0	734.6
R36	1 099.8	2.0	1 101.9
R37	1 114.5	2.0	1 116.6
R38	1 231.6	10.2	1 241.8
R39	784.3	28.7	813.0
R40	1 868.6	34.9	1 903.4
R41	1 913.4	12.3	1 925.7
R42	1 885.2	6.1	1 891.4
R43	1 311.4	10.2	1 321.7
R44	1 151.9	6.1	1 158.1
R45	1 164.7	12.3	1 177.0
R46	929.2	10.2	939.5
R47	1 077.3	8.2	1 085.5
R48	1 520.9	10.2	1 531.2
R49	1 917.5	12.3	1 929.8
R50	1 039.6	4.1	1 043.7
R51	919.2	< 0.1	919.2
R52	1 315.9	12.3	1 328.2
R53	945.2	2.0	947.3
R54	870.1	6.1	876.3
R55	982.0	2.0	984.1
R56	1 029.4	< 0.1	1 029.4
R57	789.0	8.2	797.2
R58	898.5	6.1	904.6
R59	1 066.3	6.1	1 072.4
R60	913.6	6.1	919.8
R61	846.1	12.3	858.4
R62	979.8	10.2	990.1
R63	938.3	6.1	944.4
R64	685.1	9.2	694.3
R65	1 007.6	2.0	1 009.7

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R66	1 042.7	4.1	1 046.8
R67	797.9	2.0	800.0
R68	590.4	4.1	594.5
R69	654.3	6.1	660.4
R70	781.2	4.1	785.3
R71	822.4	10.2	832.6
R72	1 273.0	10.2	1 283.3
R73	1 478.4	10.2	1 488.6
R74	887.3	12.3	899.6
R75	834.0	2.0	836.1
R76	819.9	< 0.1	819.9
R77	1 099.1	4.1	1 103.2
R78	1 123.2	4.1	1 127.3
R79	849.7	12.3	862.0
R80	733.0	10.2	743.2
R81	1 045.5	6.1	1 051.6
R82	986.5	16.4	1 002.9
R83	1 192.8	22.6	1 215.3
R84	943.5	6.1	949.6
R85	1 216.9	4.1	1 221.0
R86	1 158.3	4.1	1 162.4
R87	950.4	10.2	960.7
R88	838.2	12.3	850.5
R89	800.7	12.3	813.0
R90	712.2	8.2	720.4
R91	895.6	10.2	905.8
R92	783.8	8.2	792.0
R93	870.7	12.3	883.0
R94	1 016.8	4.1	1 020.9
R95	869.5	4.1	873.6
R96	1 030.2	8.2	1 038.4
R97	1 033.2	12.3	1 045.5
R98	781.2	8.2	789.4
R99	1 065.4	10.2	1 075.6
R100	783.6	6.1	789.8

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R101	872.4	8.2	880.6
R102	862.7	4.1	866.8
R103	818.0	2.0	820.0
R104	692.8	6.1	698.9
R105	506.4	4.1	510.5
R106	654.7	10.2	665.0
R107	695.0	6.1	701.2
R108	1 033.0	2.0	1 035.0
R109	1 012.3	2.0	1 014.4
R110	910.6	< 0.1	910.6
R111	821.4	2.0	823.4
R112	1 014.6	2.0	1 016.7
R113	1 071.0	2.0	1 073.1
R114	633.6	4.1	637.7
R115	768.2	6.1	774.4
R116	547.4	10.2	557.6
R117	689.5	6.1	695.6
R118	878.3	6.1	884.5
R119	772.7	2.0	774.7
R120	1 110.1	2.0	1 112.1
R121	774.5	12.3	786.8
R122	816.4	10.2	826.6
R123	900.7	< 0.1	900.7
R124	695.4	< 0.1	695.4
R125	820.3	< 0.1	820.3
R126	834.6	< 0.1	834.6
R127	997.5	2.0	999.6
R128	1 349.9	12.3	1 362.2

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	24 218.6	29/04/2021 07:00	2 421.9	0.34	< 0.1	0.635	0.1	0.02	2 958.0	8.2	2 966.2
R2	28 044.2	02/10/2021 06:00	2 804.4	0.62	< 0.1	0.635	0.1	0.02	3 291.9	12.3	3 304.2
R3	24 432.3	02/10/2021 06:00	2 443.2	0.62	< 0.1	0.635	0.1	0.02	2 952.9	12.3	2 965.2
R4	28 357.7	02/10/2021 06:00	2 835.8	0.62	< 0.1	0.635	0.1	0.02	3 347.8	12.3	3 360.1
R5	17 191.9	02/10/2021 06:00	1 719.2	0.62	< 0.1	0.635	0.1	0.04	2 289.8	12.3	2 302.1
R6	25 477.0	02/10/2021 06:00	2 547.7	0.62	< 0.1	0.635	0.1	0.04	3 413.4	12.3	3 425.7
R7	11 501.5	02/10/2021 06:00	1 150.1	0.62	< 0.1	0.635	0.1	0.06	1 724.9	12.3	1 737.2
R8	12 492.8	25/09/2021 06:00	1 249.3	0.53	4.36	0.635	0.1	0.06	1 962.2	12.3	1 974.5
R9	12 214.0	27/09/2021 06:00	1 221.4	0.16	1.09	0.635	0.1	0.04	1 709.6	10.2	1 719.8
R10	16 471.0	27/09/2021 06:00	1 647.1	0.16	1.09	0.635	0.1	0.03	2 153.2	10.2	2 163.5
R11	12 905.8	27/09/2021 06:00	1 290.6	0.16	1.09	0.635	0.1	0.03	1 656.3	10.2	1 666.5
R12	23 176.0	19/08/2021 07:00	2 317.6	0.16	4.36	0.49	0.05	0.01	2 532.8	8.2	2 541.0
R13	24 023.5	19/08/2021 07:00	2 402.4	0.16	4.36	0.49	0.05	0.01	2 637.4	8.2	2 645.6
R14	29 897.2	20/08/2021 07:00	2 989.7	< 0.1	1.09	0.49	0.05	0.01	3 151.0	4.1	3 155.1
R15	14 581.8	16/06/2021 08:00	1 458.2	0.19	< 0.1	0.49	0.05	0.01	1 647.3	10.2	1 657.6
R16	3 128.8	12/11/2021 18:00	312.9	1.86	29.43	0.74	0.1	0.25	1 027.9	6.1	1 034.0
R17	2 895.7	15/11/2021 04:00	289.6	2.57	22.89	0.74	0.1	0.34	1 187.5	2.0	1 189.6
R18	2 846.2	15/11/2021 04:00	284.6	2.57	22.89	0.74	0.1	0.34	1 157.7	2.0	1 159.8
R19	3 188.0	21/09/2021 17:00	318.8	2.19	32.70	0.8	0.1	0.21	922.5	2.0	924.6
R20	3 244.0	14/09/2021 06:00	324.4	2.12	25.07	0.74	0.1	0.21	945.4	2.0	947.5
R21	3 252.6	14/09/2021 06:00	325.3	2.12	25.07	0.74	0.1	0.22	981.6	2.0	983.6
R22	2 488.3	20/05/2021 17:00	248.8	1.16	22.89	0.74	0.1	0.26	835.5	8.2	843.7
R23	2 358.0	21/09/2021 17:00	235.8	2.19	32.70	0.8	0.1	0.28	820.9	2.0	822.9
R24	2 475.1	13/02/2021 19:00	247.5	2.03	13.08	0.67	0.1	0.24	777.2	2.0	779.2
R25	2 186.5	22/12/2021 01:00	218.6	1.13	37.61	0.74	0.1	0.26	740.0	10.2	750.3
R26	1 942.4	22/12/2021 00:00	194.2	1.77	37.61	0.74	0.1	0.27	671.8	10.2	682.0
R27	1 731.3	28/07/2021 19:00	173.1	3.25	28.34	0.83	0.07	0.22	508.4	4.1	512.5
R28	2 744.0	20/05/2021 17:00	274.4	1.16	22.89	0.74	0.1	0.23	843.6	8.2	851.8
R29	3 269.3	14/03/2021 17:00	326.9	1.83	15.26	0.635	0.1	0.20	924.7	< 0.1	924.7
R30	3 189.8	14/09/2021 06:00	319.0	2.12	25.07	0.74	0.1	0.24	1 003.9	2.0	1 005.9
R31	3 730.8	21/12/2021 23:00	373.1	2.45	37.61	0.74	0.1	0.13	818.4	10.2	828.6
R32	3 063.8	02/02/2021 18:00	306.4	2.02	18.53	0.67	0.1	0.19	836.4	6.1	842.5

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	2 298.5	24/05/2021 01:00	229.8	0.90	5.45	0.635	0.1	0.24	722.7	8.2	730.9
R34	2 332.0	24/05/2021 01:00	233.2	0.90	5.45	0.635	0.1	0.24	730.2	8.2	738.4
R35	2 170.6	21/11/2021 05:00	217.1	1.53	20.71	0.74	0.1	0.26	732.6	2.0	734.6
R36	2 782.4	15/11/2021 04:00	278.2	2.57	22.89	0.74	0.1	0.33	1 099.8	2.0	1 101.9
R37	2 780.0	15/11/2021 04:00	278.0	2.57	22.89	0.74	0.1	0.33	1 114.5	2.0	1 116.6
R38	7 068.9	09/09/2021 07:00	706.9	0.36	< 0.1	0.635	0.1	0.08	1 231.6	10.2	1 241.8
R39	4 078.8	10/09/2021 03:00	407.9	2.44	17.44	0.635	0.1	0.10	784.3	28.7	813.0
R40	16 439.5	16/08/2021 07:00	1 643.9	0.22	1.09	0.49	0.05	0.02	1 868.6	34.9	1 903.4
R41	13 222.8	02/10/2021 06:00	1 322.3	0.62	< 0.1	0.635	0.1	0.05	1 913.4	12.3	1 925.7
R42	11 178.7	03/10/2021 06:00	1 117.9	0.13	< 0.1	0.635	0.1	0.08	1 885.2	6.1	1 891.4
R43	6 946.9	14/05/2021 07:00	694.7	0.61	< 0.1	0.635	0.1	0.10	1 311.4	10.2	1 321.7
R44	6 777.0	17/10/2021 17:00	677.7	2.47	43.60	0.85	0.1	0.08	1 151.9	6.1	1 158.1
R45	7 019.0	10/02/2021 18:00	701.9	2.15	15.26	0.67	0.1	0.07	1 164.7	12.3	1 177.0
R46	5 333.7	21/12/2021 23:00	533.4	2.45	37.61	0.74	0.1	0.08	929.2	10.2	939.5
R47	7 071.2	29/04/2021 07:00	707.1	0.34	< 0.1	0.635	0.1	0.06	1 077.3	8.2	1 085.5
R48	9 431.4	20/12/2021 05:00	943.1	0.77	37.61	0.74	0.1	0.07	1 520.9	10.2	1 531.2
R49	10 768.5	25/09/2021 06:00	1 076.8	0.53	4.36	0.635	0.1	0.09	1 917.5	12.3	1 929.8
R50	5 637.5	26/02/2021 06:00	563.7	0.56	< 0.1	0.67	0.1	0.09	1 039.6	4.1	1 043.7
R51	4 537.1	02/01/2021 05:00	453.7	1.04	6.54	0.67	0.1	0.11	919.2	< 0.1	919.2
R52	5 527.2	25/09/2021 06:00	552.7	0.53	4.36	0.635	0.1	0.15	1 315.9	12.3	1 328.2
R53	3 779.8	21/09/2021 17:00	378.0	2.19	32.70	0.8	0.1	0.17	945.2	2.0	947.3
R54	3 612.5	02/02/2021 18:00	361.2	2.02	18.53	0.67	0.1	0.16	870.1	6.1	876.3
R55	3 668.3	21/09/2021 17:00	366.8	2.19	32.70	0.8	0.1	0.19	982.0	2.0	984.1
R56	4 200.3	14/03/2021 17:00	420.0	1.83	15.26	0.635	0.1	0.16	1 029.4	< 0.1	1 029.4
R57	3 553.2	17/02/2021 06:00	355.3	1.15	3.27	0.67	0.1	0.14	789.0	8.2	797.2
R58	3 737.2	30/03/2021 17:00	373.7	2.34	23.98	0.74	0.1	0.16	898.5	6.1	904.6
R59	4 667.2	16/11/2021 18:00	466.7	2.27	27.25	0.74	0.1	0.14	1 066.3	6.1	1 072.4
R60	3 035.1	18/01/2021 18:00	303.5	2.27	49.05	0.81	0.15	0.22	913.6	6.1	919.8
R61	4 002.9	03/02/2021 18:00	400.3	2.28	19.62	0.67	0.1	0.12	846.1	12.3	858.4
R62	4 438.6	18/12/2021 05:00	443.9	1.03	37.61	0.74	0.1	0.13	979.8	10.2	990.1
R63	5 046.9	09/04/2021 07:00	504.7	0.45	< 0.1	0.635	0.1	0.10	938.3	6.1	944.4
R64	2 675.0	15/12/2021 22:00	267.5	0.56	37.61	0.74	0.1	0.17	685.1	9.2	694.3
R65	3 335.0	15/11/2021 04:00	333.5	2.57	22.89	0.74	0.1	0.22	1 007.6	2.0	1 009.7
R66	3 560.9	15/10/2021 18:00	356.1	2.97	26.16	0.74	0.1	0.21	1 042.7	4.1	1 046.8
R67	3 159.0	17/07/2021 04:00	315.9	2.95	31.61	0.87	0.07	0.17	797.9	2.0	800.0
R68	2 656.6	28/07/2021 19:00	265.7	3.25	28.34	0.83	0.07	0.14	590.4	4.1	594.5

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	2 906.0	09/04/2021 07:00	290.6	0.45	< 0.1	0.635	0.1	0.14	654.3	6.1	660.4
R70	3 880.8	14/04/2021 07:00	388.1	< 0.1	< 0.1	0.635	0.1	0.11	781.2	4.1	785.3
R71	6 598.0	16/06/2021 08:00	659.8	0.19	< 0.1	0.49	0.05	0.03	822.4	10.2	832.6
R72	7 295.9	12/02/2021 06:00	729.6	0.23	< 0.1	0.67	0.1	0.08	1 273.0	10.2	1 283.3
R73	9 470.1	12/02/2021 06:00	947.0	0.23	< 0.1	0.67	0.1	0.06	1 478.4	10.2	1 488.6
R74	4 438.6	04/08/2021 07:00	443.9	1.88	25.07	0.83	0.07	0.11	887.3	12.3	899.6
R75	2 904.9	13/11/2021 22:00	290.5	2.01	20.71	0.74	0.1	0.21	834.0	2.0	836.1
R76	2 653.8	05/10/2021 20:00	265.4	2.56	31.61	0.8	0.1	0.23	819.9	< 0.1	819.9
R77	5 528.2	01/05/2021 07:00	552.8	0.18	< 0.1	0.635	0.1	0.11	1 099.1	4.1	1 103.2
R78	5 460.7	03/01/2021 06:00	546.1	< 0.1	2.18	0.67	0.1	0.12	1 123.2	4.1	1 127.3
R79	3 822.0	03/02/2021 18:00	382.2	2.28	19.62	0.67	0.1	0.14	849.7	12.3	862.0
R80	2 579.0	19/12/2021 05:00	257.9	0.64	37.61	0.74	0.1	0.20	733.0	10.2	743.2
R81	4 527.0	19/02/2021 18:00	452.7	2.10	14.17	0.67	0.1	0.15	1 045.5	6.1	1 051.6
R82	4 280.3	14/12/2021 18:00	428.0	1.85	22.35	0.67	0.1	0.14	986.5	16.4	1 002.9
R83	4 451.5	01/09/2021 17:00	445.1	1.60	33.79	0.8	0.1	0.19	1 192.8	22.6	1 215.3
R84	3 810.0	16/11/2021 18:00	381.0	2.27	27.25	0.74	0.1	0.16	943.5	6.1	949.6
R85	5 394.2	03/01/2021 06:00	539.4	< 0.1	2.18	0.67	0.1	0.14	1 216.9	4.1	1 221.0
R86	5 329.0	03/01/2021 06:00	532.9	< 0.1	2.18	0.67	0.1	0.13	1 158.3	4.1	1 162.4
R87	2 900.6	02/12/2021 18:00	290.1	1.73	42.51	0.81	0.15	0.25	950.4	10.2	960.7
R88	2 029.6	12/01/2021 18:00	203.0	2.08	65.40	0.88	0.2	0.35	838.2	12.3	850.5
R89	1 848.2	12/01/2021 18:00	184.8	2.08	65.40	0.88	0.2	0.37	800.7	12.3	813.0
R90	2 343.4	08/10/2021 17:00	234.3	2.19	38.15	0.8	0.1	0.23	712.2	8.2	720.4
R91	2 549.5	02/12/2021 18:00	254.9	1.73	42.51	0.81	0.15	0.28	895.6	10.2	905.8
R92	2 730.3	08/10/2021 17:00	273.0	2.19	38.15	0.8	0.1	0.21	783.8	8.2	792.0
R93	3 626.6	03/02/2021 18:00	362.7	2.28	19.62	0.67	0.1	0.16	870.7	12.3	883.0
R94	4 111.3	03/01/2021 06:00	411.1	< 0.1	2.18	0.67	0.1	0.16	1 016.8	4.1	1 020.9
R95	3 318.3	03/01/2021 06:00	331.8	< 0.1	2.18	0.67	0.1	0.18	869.5	4.1	873.6
R96	3 971.1	02/03/2021 06:00	397.1	0.83	2.18	0.635	0.1	0.18	1 030.2	8.2	1 038.4
R97	3 843.1	25/09/2021 06:00	384.3	0.53	4.36	0.635	0.1	0.19	1 033.2	12.3	1 045.5
R98	2 817.1	02/03/2021 06:00	281.7	0.83	2.18	0.635	0.1	0.20	781.2	8.2	789.4
R99	3 765.7	16/12/2021 05:00	376.6	1.29	37.61	0.74	0.1	0.20	1 065.4	10.2	1 075.6
R100	3 023.6	02/02/2021 18:00	302.4	2.02	18.53	0.67	0.1	0.18	783.6	6.1	789.8
R101	3 025.0	02/03/2021 06:00	302.5	0.83	2.18	0.635	0.1	0.21	872.4	8.2	880.6
R102	3 218.6	10/03/2021 06:00	321.9	0.99	7.63	0.635	0.1	0.19	862.7	4.1	866.8
R103	2 449.8	21/09/2021 17:00	245.0	2.19	32.70	0.8	0.1	0.26	818.0	2.0	820.0
R104	2 197.8	02/02/2021 18:00	219.8	2.02	18.53	0.67	0.1	0.24	692.8	6.1	698.9

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	1 858.2	18/10/2021 06:00	185.8	0.40	1.09	0.635	0.1	0.19	506.4	4.1	510.5
R106	2 189.1	19/12/2021 20:00	218.9	2.07	37.61	0.74	0.1	0.22	654.7	10.2	665.0
R107	2 288.4	09/09/2021 20:00	228.8	2.59	38.15	0.8	0.1	0.23	695.0	6.1	701.2
R108	3 247.3	12/11/2021 19:00	324.7	2.25	27.25	0.74	0.1	0.24	1 033.0	2.0	1 035.0
R109	3 118.3	13/11/2021 22:00	311.8	2.01	20.71	0.74	0.1	0.25	1 012.3	2.0	1 014.4
R110	2 737.3	25/07/2021 17:00	273.7	3.06	32.70	0.87	0.07	0.26	910.6	< 0.1	910.6
R111	2 629.0	13/11/2021 01:00	262.9	3.42	21.80	0.74	0.1	0.24	821.4	2.0	823.4
R112	2 975.5	15/11/2021 03:00	297.5	2.50	22.89	0.74	0.1	0.27	1 014.6	2.0	1 016.7
R113	2 869.1	19/09/2021 18:00	286.9	2.00	32.70	0.8	0.1	0.30	1 071.0	2.0	1 073.1
R114	1 773.8	25/03/2021 00:00	177.4	1.07	20.71	0.74	0.1	0.29	633.6	4.1	637.7
R115	2 203.5	09/09/2021 22:00	220.3	0.59	34.88	0.8	0.1	0.28	768.2	6.1	774.4
R116	1 602.6	19/12/2021 20:00	160.3	2.07	37.61	0.74	0.1	0.27	547.4	10.2	557.6
R117	1 719.0	09/09/2021 22:00	171.9	0.59	34.88	0.8	0.1	0.33	689.5	6.1	695.6
R118	2 279.8	12/11/2021 18:00	228.0	1.86	29.43	0.74	0.1	0.32	878.3	6.1	884.5
R119	2 845.4	13/11/2021 01:00	284.5	3.42	21.80	0.74	0.1	0.19	772.7	2.0	774.7
R120	2 865.6	15/11/2021 04:00	286.6	2.57	22.89	0.74	0.1	0.32	1 110.1	2.0	1 112.1
R121	2 683.9	15/04/2021 07:00	268.4	0.12	< 0.1	0.635	0.1	0.21	774.5	12.3	786.8
R122	2 760.5	14/05/2021 07:00	276.1	0.61	< 0.1	0.635	0.1	0.22	816.4	10.2	826.6
R123	2 554.6	15/05/2021 18:00	255.5	2.38	27.25	0.74	0.1	0.28	900.7	< 0.1	900.7
R124	1 792.9	05/10/2021 18:00	179.3	3.80	32.70	0.8	0.1	0.32	695.4	< 0.1	695.4
R125	2 290.8	15/05/2021 21:00	229.1	1.71	26.16	0.74	0.1	0.29	820.3	< 0.1	820.3
R126	1 985.2	05/10/2021 20:00	198.5	2.56	31.61	0.8	0.1	0.36	834.6	< 0.1	834.6
R127	4 398.8	14/09/2021 06:00	439.9	2.12	25.07	0.74	0.1	0.14	997.5	2.0	999.6
R128	6 475.7	25/09/2021 06:00	647.6	0.53	4.36	0.635	0.1	0.12	1 349.9	12.3	1 362.2

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R6				Highest cumulative PM ₁₀ impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/08/2021	111.9	7.8	119.7	05/08/2021	111.9	7.8	119.7
14/05/2021	109.0	9.5	118.5	14/05/2021	109.0	9.5	118.5
27/05/2021	107.8	9.3	117.1	27/05/2021	107.8	9.3	117.1
25/08/2021	99.4	5.4	104.8	23/04/2021	79.7	29.9	109.6
18/07/2021	98.1	5.7	103.8	05/07/2021	95.0	10.9	105.9
05/07/2021	95.0	10.9	105.9	25/08/2021	99.4	5.4	104.8
06/08/2021	88.9	15.4	104.3	06/08/2021	88.9	15.4	104.3
04/06/2021	85.7	8.8	94.5	18/07/2021	98.1	5.7	103.8
23/04/2021	79.7	29.9	109.6	16/01/2021	76.6	25.0	101.6
16/01/2021	76.6	25.0	101.6	04/06/2021	85.7	8.8	94.5

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/03/2021	100.3	5.9	106.2	05/10/2021	97.6	14.0	111.6
21/03/2021	85.4	12.3	97.7	04/08/2021	81.0	5.6	86.6
19/02/2021	82.9	13.4	96.3	16/10/2021	71.3	7.1	78.4
29/01/2021	75.0	8.2	83.2	18/07/2021	67.4	5.7	73.1
02/11/2021	69.0	19.1	88.1	26/06/2021	59.3	10.0	69.3
10/03/2021	67.7	21.1	88.8	15/11/2021	56.7	9.9	66.6
20/02/2021	65.3	11.4	76.7	14/05/2021	57.0	9.5	66.5
02/12/2021	59.3	15.0	74.3	16/05/2021	57.3	7.9	65.2
10/02/2021	58.8	23.8	82.6	15/08/2021	42.1	21.9	64.0
24/12/2021	54.3	13.5	67.8	10/04/2021	50.7	13.0	63.7

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	98.9	11.1	110.0	27/01/2021	98.9	11.1	110.0
28/12/2021	92.0	10.1	102.1	19/01/2021	78.2	30.0	108.2
27/12/2021	90.6	11.2	101.8	16/12/2021	84.8	20.0	104.8
08/01/2021	89.5	13.7	103.2	06/03/2021	78.1	25.7	103.8
21/11/2021	88.9	6.6	95.5	22/11/2021	85.7	18.0	103.7
17/02/2021	87.9	14.1	102.0	08/01/2021	89.5	13.7	103.2
26/12/2021	86.9	14.9	101.8	28/12/2021	92.0	10.1	102.1
26/11/2021	86.2	6.4	92.6	17/02/2021	87.9	14.1	102.0
22/11/2021	85.7	18.0	103.7	26/12/2021	86.9	14.9	101.8
07/01/2021	85.0	11.0	96.0	27/12/2021	90.6	11.2	101.8

Highest incremental PM ₁₀ impact – Receptor R41				Highest cumulative PM ₁₀ impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/10/2021	97.6	14.0	111.6	19/03/2021	94.9	13.8	108.7
04/08/2021	81.0	5.6	86.6	17/03/2021	89.3	13.5	102.8
16/10/2021	71.3	7.1	78.4	18/03/2021	90.9	9.1	100.0
18/07/2021	67.4	5.7	73.1	28/01/2021	81.2	16.0	97.2
26/06/2021	59.3	10.0	69.3	11/11/2021	81.9	14.5	96.4
16/05/2021	57.3	7.9	65.2	09/02/2021	72.5	19.8	92.3
14/05/2021	57.0	9.5	66.5	17/02/2021	75.7	14.1	89.8
15/11/2021	56.7	9.9	66.6	06/03/2021	62.4	25.7	88.1
03/10/2021	55.2	7.7	62.9	22/12/2021	67.3	15.1	82.4
02/10/2021	54.6	8.0	62.6	05/04/2021	55.7	25.8	81.5

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	94.9	13.8	108.7	22/03/2021	100.3	5.9	106.2
18/03/2021	90.9	9.1	100.0	21/03/2021	85.4	12.3	97.7
17/03/2021	89.3	13.5	102.8	19/02/2021	82.9	13.4	96.3
11/11/2021	81.9	14.5	96.4	10/03/2021	67.7	21.1	88.8
28/01/2021	81.2	16.0	97.2	02/11/2021	69.0	19.1	88.1
17/02/2021	75.7	14.1	89.8	29/01/2021	75.0	8.2	83.2
09/02/2021	72.5	19.8	92.3	10/02/2021	58.8	23.8	82.6
20/03/2021	70.9	9.9	80.8	30/11/2021	51.1	26.0	77.1
22/12/2021	67.3	15.1	82.4	20/02/2021	65.3	11.4	76.7
18/02/2021	63.6	13.9	77.5	17/11/2021	53.6	21.5	75.1

Highest incremental PM ₁₀ impact – Receptor R4				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	91.2	11.1	102.3	17/08/2021	83.9	19.9	103.8
05/08/2021	86.8	7.8	94.6	27/01/2021	91.2	11.1	102.3
27/05/2021	85.8	9.3	95.1	27/11/2021	84.5	16.4	100.9
27/11/2021	84.5	16.4	100.9	25/09/2021	70.4	27.9	98.3
17/08/2021	83.9	19.9	103.8	23/04/2021	68.3	29.9	98.2
25/08/2021	81.4	5.4	86.8	05/03/2021	63.4	32.7	96.1
26/11/2021	81.4	6.4	87.8	27/05/2021	85.8	9.3	95.1
15/02/2021	81.3	12.6	93.9	05/08/2021	86.8	7.8	94.6
28/05/2021	78.6	14.3	92.9	15/02/2021	81.3	12.6	93.9
11/12/2021	78.6	8.1	86.7	02/03/2021	60.0	33.8	93.8

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	90.2	11.1	101.3	17/08/2021	83.2	19.9	103.1
27/05/2021	85.4	9.3	94.7	27/01/2021	90.2	11.1	101.3
05/08/2021	85.3	7.8	93.1	25/09/2021	72.0	27.9	99.9
17/08/2021	83.2	19.9	103.1	05/03/2021	67.1	32.7	99.8
25/08/2021	80.4	5.4	85.8	02/03/2021	65.3	33.8	99.1
28/05/2021	75.9	14.3	90.2	23/04/2021	67.5	29.9	97.4
15/02/2021	75.8	12.6	88.4	27/05/2021	85.4	9.3	94.7
11/12/2021	75.6	8.1	83.7	04/05/2021	39.2	54.9	94.1
05/07/2021	75.2	10.9	86.1	16/01/2021	68.8	25.0	93.8
21/11/2021	75.1	6.6	81.7	05/08/2021	85.3	7.8	93.1

Highest incremental PM ₁₀ impact – Receptor R3				Highest cumulative PM ₁₀ impact – Receptor R14			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	86.6	11.1	97.7	19/08/2021	72.1	28.2	100.3
11/12/2021	80.4	8.1	88.5	12/02/2021	61.5	32.0	93.5
27/11/2021	79.2	16.4	95.6	28/10/2021	55.2	36.6	91.8
15/02/2021	78.7	12.6	91.3	20/08/2021	57.6	34.1	91.7
28/05/2021	77.4	14.3	91.7	25/01/2021	56.3	33.5	89.8
17/08/2021	76.3	19.9	96.2	22/08/2021	52.8	32.0	84.8
14/03/2021	76.0	7.4	83.4	05/02/2021	61.3	20.5	81.8
29/05/2021	75.7	9.3	85.0	24/01/2021	56.3	25.4	81.7
13/09/2021	75.2	14.8	90.0	02/09/2021	44.9	36.0	80.9
26/11/2021	74.9	6.4	81.3	03/09/2021	60.9	19.8	80.7

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
11/11/2021	84.4	14.5	98.9	11/11/2021	84.4	14.5	98.9
17/03/2021	79.2	13.5	92.7	17/03/2021	79.2	13.5	92.7
21/03/2021	72.3	12.3	84.6	21/03/2021	72.3	12.3	84.6
20/03/2021	71.5	9.9	81.4	27/04/2021	48.0	35.4	83.4
18/03/2021	70.4	9.1	79.5	20/03/2021	71.5	9.9	81.4
18/02/2021	65.6	13.9	79.5	14/12/2021	58.1	21.6	79.7
12/10/2021	64.3	8.9	73.2	18/02/2021	65.6	13.9	79.5
21/12/2021	62.7	15.9	78.6	18/03/2021	70.4	9.1	79.5
21/10/2021	61.3	16.5	77.8	10/02/2021	55.3	23.8	79.1
21/02/2021	61.0	9.1	70.1	21/12/2021	62.7	15.9	78.6

Highest incremental PM ₁₀ impact – Receptor R44				Highest cumulative PM ₁₀ impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	82.0	12.3	94.3	27/01/2021	86.6	11.1	97.7
19/02/2021	48.3	13.4	61.7	17/08/2021	76.3	19.9	96.2
09/11/2021	36.9	13.4	50.3	27/11/2021	79.2	16.4	95.6
10/03/2021	33.2	21.1	54.3	04/05/2021	38.1	54.9	93.0
28/02/2021	32.9	21.6	54.5	25/09/2021	64.4	27.9	92.3
29/01/2021	32.8	8.2	41.0	02/03/2021	58.1	33.8	91.9
10/02/2021	32.4	23.8	56.2	23/04/2021	61.8	29.9	91.7
06/04/2021	30.2	22.4	52.6	28/05/2021	77.4	14.3	91.7
24/12/2021	29.5	13.5	43.0	05/03/2021	58.9	32.7	91.6
17/01/2021	29.3	25.5	54.8	15/02/2021	78.7	12.6	91.3

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R6				Highest cumulative PM _{2.5} impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/08/2021	111.9	4.7	116.6	05/08/2021	111.9	4.7	116.6
14/05/2021	109.0	3.8	112.8	14/05/2021	109.0	3.8	112.8
27/05/2021	107.8	2.4	110.2	27/05/2021	107.8	2.4	110.2
25/08/2021	99.4	2.9	102.3	25/08/2021	99.4	2.9	102.3
18/07/2021	98.1	1.6	99.7	05/07/2021	95.0	6.2	101.2
05/07/2021	95.0	6.2	101.2	18/07/2021	98.1	1.6	99.7
06/08/2021	88.9	6.2	95.1	23/04/2021	79.7	19.5	99.2
04/06/2021	85.7	5.7	91.4	06/08/2021	88.9	6.2	95.1
23/04/2021	79.7	19.5	99.2	04/06/2021	85.7	5.7	91.4
16/01/2021	76.6	9.4	86.0	16/01/2021	76.6	9.4	86.0

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/03/2021	100.3	2.4	102.7	27/01/2021	98.9	7.0	105.9
21/03/2021	85.4	4.9	90.3	28/12/2021	92.0	1.2	93.2
19/02/2021	82.9	2.9	85.8	26/12/2021	86.9	5.8	92.7
29/01/2021	75.0	4.3	79.3	17/02/2021	87.9	4.8	92.6
02/11/2021	69.0	3.5	72.5	27/12/2021	90.6	2.0	92.6
10/03/2021	67.7	4.9	72.6	08/01/2021	89.5	2.8	92.3
20/02/2021	65.3	2.0	67.3	19/01/2021	78.2	13.8	92.0
02/12/2021	59.3	3.9	63.2	16/12/2021	84.8	6.6	91.4
10/02/2021	58.8	6.4	65.2	21/11/2021	88.9	1.9	90.8
24/12/2021	54.3	5.9	60.2	22/11/2021	85.7	4.4	90.1

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	98.9	7.0	105.9	22/03/2021	100.3	2.4	102.7
28/12/2021	92.0	1.2	93.2	21/03/2021	85.4	4.9	90.3
27/12/2021	90.6	2.0	92.6	19/02/2021	82.9	2.9	85.8
08/01/2021	89.5	2.8	92.3	29/01/2021	75.0	4.3	79.3
21/11/2021	88.9	1.9	90.8	10/03/2021	67.7	4.9	72.6
17/02/2021	87.9	4.8	92.6	02/11/2021	69.0	3.5	72.5
26/12/2021	86.9	5.8	92.7	20/02/2021	65.3	2.0	67.3
26/11/2021	86.2	1.9	88.1	10/02/2021	58.8	6.4	65.2
22/11/2021	85.7	4.4	90.1	02/12/2021	59.3	3.9	63.2
07/01/2021	85.0	2.7	87.7	24/12/2021	54.3	5.9	60.2

Highest incremental PM _{2.5} impact – Receptor R41				Highest cumulative PM _{2.5} impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/10/2021	97.6	3.8	101.4	05/10/2021	97.6	3.8	101.4
04/08/2021	81.0	1.8	82.8	04/08/2021	81.0	1.8	82.8
16/10/2021	71.3	1.9	73.2	16/10/2021	71.3	1.9	73.2
18/07/2021	67.4	1.6	69.0	18/07/2021	67.4	1.6	69.0
26/06/2021	59.3	5.8	65.1	26/06/2021	59.3	5.8	65.1
16/05/2021	57.3	3.1	60.4	14/05/2021	57.0	3.8	60.8
14/05/2021	57.0	3.8	60.8	16/05/2021	57.3	3.1	60.4
15/11/2021	56.7	2.4	59.1	15/11/2021	56.7	2.4	59.1
03/10/2021	55.2	3.8	59.0	03/10/2021	55.2	3.8	59.0
02/10/2021	54.6	2.9	57.5	15/08/2021	42.1	16.1	58.2

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	94.9	2.9	97.8	27/01/2021	91.2	7.0	98.2
18/03/2021	90.9	2.5	93.4	05/08/2021	86.8	4.7	91.5
17/03/2021	89.3	3.3	92.6	27/11/2021	84.5	6.0	90.5
11/11/2021	81.9	3.6	85.5	17/08/2021	83.9	4.5	88.4
28/01/2021	81.2	8.3	89.5	27/05/2021	85.8	2.4	88.2
17/02/2021	75.7	4.8	80.5	23/04/2021	68.3	19.5	87.8
09/02/2021	72.5	8.3	80.8	15/02/2021	81.3	4.7	86.0
20/03/2021	70.9	1.5	72.4	25/08/2021	81.4	2.9	84.3
22/12/2021	67.3	4.4	71.7	28/05/2021	78.6	4.9	83.5
18/02/2021	63.6	3.9	67.4	26/11/2021	81.4	1.9	83.3

Highest incremental PM _{2.5} impact – Receptor R4				Highest cumulative PM _{2.5} impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	91.2	7.0	98.2	19/03/2021	94.9	2.9	97.8
05/08/2021	86.8	4.7	91.5	18/03/2021	90.9	2.5	93.4
27/05/2021	85.8	2.4	88.2	17/03/2021	89.3	3.3	92.6
27/11/2021	84.5	6.0	90.5	28/01/2021	81.2	8.3	89.5
17/08/2021	83.9	4.5	88.4	11/11/2021	81.9	3.6	85.5
25/08/2021	81.4	2.9	84.3	09/02/2021	72.5	8.3	80.8
26/11/2021	81.4	1.9	83.3	17/02/2021	75.7	4.8	80.5
15/02/2021	81.3	4.7	86.0	20/03/2021	70.9	1.5	72.4
28/05/2021	78.6	4.9	83.5	22/12/2021	67.3	4.4	71.7
11/12/2021	78.6	2.1	80.7	06/03/2021	62.4	6.9	69.3

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	90.2	7.0	97.2	27/01/2021	90.2	7.0	97.2
27/05/2021	85.4	2.4	87.8	05/08/2021	85.3	4.7	90.0
05/08/2021	85.3	4.7	90.0	27/05/2021	85.4	2.4	87.8
17/08/2021	83.2	4.5	87.7	17/08/2021	83.2	4.5	87.7
25/08/2021	80.4	2.9	83.3	23/04/2021	67.5	19.5	87.0
28/05/2021	75.9	4.9	80.8	25/08/2021	80.4	2.9	83.3
15/02/2021	75.8	4.7	80.5	05/07/2021	75.2	6.2	81.4
11/12/2021	75.6	2.1	77.7	28/05/2021	75.9	4.9	80.8
05/07/2021	75.2	6.2	81.4	06/09/2021	74.9	5.8	80.7
21/11/2021	75.1	1.9	77.0	15/02/2021	75.8	4.7	80.5

Highest incremental PM _{2.5} impact – Receptor R3				Highest cumulative PM _{2.5} impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	86.6	7.0	93.6	27/01/2021	86.6	7.0	93.6
11/12/2021	80.4	2.1	82.5	27/11/2021	79.2	6.0	85.2
27/11/2021	79.2	6.0	85.2	15/02/2021	78.7	4.7	83.4
15/02/2021	78.7	4.7	83.4	11/12/2021	80.4	2.1	82.5
28/05/2021	77.4	4.9	82.3	28/05/2021	77.4	4.9	82.3
17/08/2021	76.3	4.5	80.8	23/04/2021	61.8	19.5	81.3
14/03/2021	76.0	4.0	80.0	17/08/2021	76.3	4.5	80.8
29/05/2021	75.7	3.4	79.1	14/03/2021	76.0	4.0	80.0
13/09/2021	75.2	3.2	78.4	29/05/2021	75.7	3.4	79.1
26/11/2021	74.9	1.9	76.8	13/09/2021	75.2	3.2	78.4

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
11/11/2021	84.4	3.6	88.0	11/11/2021	84.4	3.6	88.0
17/03/2021	79.2	3.3	82.5	17/03/2021	79.2	3.3	82.5
21/03/2021	72.3	4.9	77.2	21/03/2021	72.3	4.9	77.2
20/03/2021	71.5	1.5	73.0	20/03/2021	71.5	1.5	73.0
18/03/2021	70.4	2.5	72.9	18/03/2021	70.4	2.5	72.9
18/02/2021	65.6	3.9	69.4	18/02/2021	65.6	3.9	69.4
12/10/2021	64.3	3.5	67.8	12/10/2021	64.3	3.5	67.8
21/12/2021	62.7	3.7	66.4	21/12/2021	62.7	3.7	66.4
21/10/2021	61.3	4.7	66.0	21/10/2021	61.3	4.7	66.0
21/02/2021	61.0	1.2	62.2	14/12/2021	58.1	4.5	62.6

Highest incremental PM _{2.5} impact – Receptor R44				Highest cumulative PM _{2.5} impact – Receptor R44			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	82.0	4.9	86.9	21/03/2021	82.0	4.9	86.9
19/02/2021	48.3	2.9	51.2	19/02/2021	48.3	2.9	51.2
09/11/2021	36.9	4.4	41.3	04/05/2021	1.1	40.3	41.4
10/03/2021	33.2	4.9	38.1	09/11/2021	36.9	4.4	41.3
28/02/2021	32.9	7.8	40.7	28/02/2021	32.9	7.8	40.7
29/01/2021	32.8	4.3	37.1	10/02/2021	32.4	6.4	38.8
10/02/2021	32.4	6.4	38.8	10/03/2021	33.2	4.9	38.1
06/04/2021	30.2	7.1	37.4	06/04/2021	30.2	7.1	37.4
24/12/2021	29.5	5.9	35.4	29/01/2021	32.8	4.3	37.1
17/01/2021	29.3	7.2	36.5	17/01/2021	29.3	7.2	36.5

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	98.9	98.9
R2	90.2	90.2
R3	86.6	86.6
R4	91.2	91.2
R5	76.2	76.2
R6	111.9	111.9
R7	74.3	74.3
R8	57.9	57.9
R9	65.3	65.3
R10	94.9	94.9
R11	84.4	84.4
R12	100.3	100.3
R13	62.4	62.4
R14	72.1	72.1
R15	55.1	55.1
R16	15.7	15.7
R17	14.7	14.7
R18	14.3	14.3
R19	24.4	24.4
R20	36.3	36.3
R21	32.1	32.1
R22	20.4	20.4
R23	17.7	17.7
R24	16.0	16.0
R25	14.1	14.1
R26	10.6	10.6
R27	7.1	7.1
R28	24.9	24.9
R29	24.8	24.8
R30	22.2	22.2
R31	22.7	22.7

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	13.9	13.9
R33	12.4	12.4
R34	13.0	13.0
R35	15.0	15.0
R36	14.6	14.6
R37	14.7	14.7
R38	41.9	41.9
R39	20.9	20.9
R40	43.8	43.8
R41	97.6	97.6
R42	76.7	76.7
R43	65.5	65.5
R44	82.0	82.0
R45	68.9	68.9
R46	50.4	50.4
R47	50.7	50.7
R48	57.9	57.9
R49	50.9	50.9
R50	47.5	47.5
R51	33.3	33.3
R52	36.4	36.4
R53	31.8	31.8
R54	18.0	18.0
R55	29.0	29.0
R56	29.9	29.9
R57	19.6	19.6
R58	26.8	26.8
R59	26.1	26.1
R60	19.7	19.7
R61	27.5	27.5
R62	14.9	14.9
R63	21.5	21.5
R64	12.5	12.5
R65	22.7	22.7
R66	18.7	18.7
R67	18.3	18.3

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	12.4	12.4
R69	12.5	12.5
R70	20.5	20.5
R71	33.5	33.5
R72	40.8	40.8
R73	48.4	48.4
R74	36.0	36.0
R75	20.6	20.6
R76	25.5	25.5
R77	19.2	19.2
R78	34.7	34.7
R79	23.7	23.7
R80	8.9	8.9
R81	23.6	23.6
R82	28.0	28.0
R83	18.1	18.1
R84	15.9	15.9
R85	26.5	26.5
R86	26.4	26.4
R87	13.8	13.8
R88	13.0	13.0
R89	11.8	11.8
R90	10.1	10.1
R91	12.5	12.5
R92	10.7	10.7
R93	18.9	18.9
R94	20.9	20.9
R95	18.0	18.0
R96	29.1	29.1
R97	22.8	22.8
R98	33.1	33.1
R99	22.4	22.4
R100	17.6	17.6
R101	23.6	23.6
R102	19.9	19.9
R103	17.4	17.4

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R104	10.7	10.7
R105	6.8	6.8
R106	9.6	9.6
R107	11.8	11.8
R108	15.0	15.0
R109	19.1	19.1
R110	16.1	16.1
R111	8.6	8.6
R112	18.2	18.2
R113	16.0	16.0
R114	5.4	5.4
R115	8.4	8.4
R116	6.2	6.2
R117	7.6	7.6
R118	12.2	12.2
R119	12.5	12.5
R120	14.9	14.9
R121	19.0	19.0
R122	29.0	29.0
R123	25.6	25.6
R124	14.2	14.2
R125	27.1	27.1
R126	13.8	13.8
R127	42.3	42.3
R128	42.8	42.8

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	8.5	0.5	9.0	6.5	0.4	6.8	1.4	< 0.1	1.4
R2	9.9	0.2	10.1	7.5	0.1	7.6	1.4	0.3	1.7
R3	8.6	0.2	8.8	6.5	0.1	6.7	1.4	0.3	1.7
R4	10.0	0.2	10.2	7.6	0.1	7.7	1.4	0.3	1.7
R5	6.1	0.2	6.2	4.6	0.1	4.7	1.1	< 0.1	1.2
R6	9.0	0.2	9.1	6.8	0.1	6.9	1.3	0.1	1.4
R7	4.1	0.2	4.2	3.1	0.1	3.2	1.0	< 0.1	1.0
R8	4.4	0.2	4.6	3.3	0.1	3.5	0.9	< 0.1	0.9
R9	4.3	0.2	4.5	3.3	0.1	3.4	1.0	< 0.1	1.0
R10	5.8	0.2	6.0	4.4	0.1	4.5	1.5	< 0.1	1.5
R11	4.5	0.2	4.7	3.4	0.1	3.6	1.6	< 0.1	1.6
R12	8.2	0.5	8.7	6.2	0.4	6.6	1.8	< 0.1	1.8
R13	8.5	0.5	9.0	6.4	0.4	6.8	1.4	0.2	1.6
R14	10.5	0.5	11.0	8.0	0.4	8.4	2.1	0.2	2.3
R15	5.1	0.3	5.5	3.9	0.2	4.1	1.1	0.2	1.3
R16	1.1	0.2	1.3	0.8	0.1	1.0	0.4	< 0.1	0.4
R17	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R18	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R19	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.4	< 0.1	0.5
R20	1.1	< 0.1	1.1	0.9	< 0.1	0.9	0.7	< 0.1	0.7
R21	1.1	< 0.1	1.1	0.9	< 0.1	0.9	0.6	< 0.1	0.6
R22	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.5	< 0.1	0.5
R23	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.4	< 0.1	0.4
R24	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.4	< 0.1	0.4
R25	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R26	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.4
R27	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R28	1.0	< 0.1	1.0	0.7	< 0.1	0.7	0.6	0.1	0.7
R29	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.7	0.1	0.8
R30	1.1	< 0.1	1.1	0.9	< 0.1	0.9	0.6	< 0.1	0.7

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.5	< 0.1	0.5
R32	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R33	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R34	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R35	0.8	0.2	1.0	0.6	0.1	0.8	0.4	< 0.1	0.4
R36	1.0	< 0.1	1.0	0.7	< 0.1	0.7	0.4	< 0.1	0.4
R37	1.0	< 0.1	1.0	0.7	< 0.1	0.7	0.4	< 0.1	0.4
R38	2.5	0.7	3.2	1.9	0.5	2.4	1.0	< 0.1	1.0
R39	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.6	< 0.1	0.6
R40	5.8	0.2	6.0	4.4	0.1	4.5	0.9	0.1	1.0
R41	4.7	0.2	4.8	3.5	0.1	3.7	1.4	< 0.1	1.4
R42	3.9	0.2	4.1	3.0	0.1	3.1	1.3	< 0.1	1.4
R43	2.4	0.3	2.8	1.9	0.2	2.1	1.0	0.1	1.1
R44	2.6	< 0.1	2.6	2.0	< 0.1	2.0	1.2	< 0.1	1.2
R45	2.5	< 0.1	2.5	1.9	< 0.1	1.9	1.1	< 0.1	1.1
R46	1.9	< 0.1	1.9	1.4	< 0.1	1.4	0.8	< 0.1	0.8
R47	2.5	0.5	3.0	1.9	0.4	2.3	0.8	< 0.1	0.8
R48	3.4	0.5	3.8	2.5	0.4	2.9	0.8	< 0.1	0.8
R49	3.8	0.2	4.0	2.9	0.1	3.0	0.8	< 0.1	0.8
R50	2.0	0.5	2.5	1.5	0.4	1.9	0.7	< 0.1	0.7
R51	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.5	< 0.1	0.5
R52	1.9	0.2	2.1	1.5	0.1	1.6	0.7	< 0.1	0.7
R53	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.5	< 0.1	0.5
R54	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.4	< 0.1	0.4
R55	1.4	0.2	1.5	1.0	0.1	1.2	0.6	< 0.1	0.6
R56	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.7	0.1	0.8
R57	1.3	< 0.1	1.3	0.9	< 0.1	0.9	0.4	< 0.1	0.4
R58	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.5	< 0.1	0.5
R59	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.6	< 0.1	0.6
R60	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.5	< 0.1	0.5
R61	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.6	< 0.1	0.6
R62	1.6	0.8	2.4	1.2	0.6	1.8	0.4	< 0.1	0.4
R63	1.8	< 0.1	1.8	1.3	< 0.1	1.3	0.5	< 0.1	0.5
R64	1.4	0.8	2.2	1.1	0.6	1.7	0.4	< 0.1	0.4
R65	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.6	< 0.1	0.6

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	1.4	< 0.1	1.4	1.0	< 0.1	1.0	0.5	< 0.1	0.5
R67	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.7	< 0.1	0.7
R68	1.1	0.8	1.9	0.9	0.6	1.5	0.4	< 0.1	0.4
R69	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.3	< 0.1	0.3
R70	1.4	< 0.1	1.4	1.0	< 0.1	1.0	0.4	< 0.1	0.4
R71	2.3	0.3	2.7	1.8	0.2	2.0	0.7	0.2	0.9
R72	3.0	0.3	3.3	2.3	0.2	2.5	0.9	0.2	1.0
R73	3.6	0.3	4.0	2.8	0.2	3.0	1.0	0.2	1.2
R74	1.6	0.7	2.3	1.2	0.5	1.7	0.7	< 0.1	0.7
R75	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.7	< 0.1	0.7
R76	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.5	< 0.1	0.5
R77	1.9	0.5	2.4	1.5	0.4	1.9	0.5	< 0.1	0.5
R78	1.9	0.2	2.1	1.5	0.1	1.6	0.5	< 0.1	0.6
R79	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.5	< 0.1	0.5
R80	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.3	0.4	0.6
R81	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.5	< 0.1	0.5
R82	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R83	1.6	0.2	1.7	1.2	0.1	1.3	0.5	0.2	0.7
R84	1.4	< 0.1	1.4	1.0	< 0.1	1.0	0.5	< 0.1	0.5
R85	1.9	0.2	2.1	1.4	0.1	1.6	0.5	< 0.1	0.5
R86	1.9	0.2	2.0	1.4	0.1	1.5	0.6	< 0.1	0.6
R87	1.4	0.5	1.9	1.1	0.4	1.4	0.5	< 0.1	0.5
R88	1.5	0.8	2.3	1.1	0.6	1.7	0.4	< 0.1	0.4
R89	1.3	0.8	2.2	1.0	0.6	1.6	0.4	< 0.1	0.4
R90	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.3	< 0.1	0.3
R91	1.1	0.5	1.6	0.9	0.4	1.2	0.4	< 0.1	0.4
R92	1.2	0.8	2.0	0.9	0.6	1.5	0.4	< 0.1	0.4
R93	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.5	< 0.1	0.5
R94	1.4	0.2	1.6	1.1	0.1	1.2	0.4	< 0.1	0.4
R95	1.2	0.2	1.3	0.9	0.1	1.0	0.4	< 0.1	0.4
R96	1.4	0.3	1.7	1.1	0.2	1.3	0.7	< 0.1	0.7
R97	1.4	0.2	1.5	1.0	0.1	1.2	0.5	< 0.1	0.5
R98	1.0	0.3	1.3	0.8	0.2	1.0	0.6	< 0.1	0.6
R99	1.3	0.2	1.5	1.0	0.1	1.1	0.6	< 0.1	0.6
R100	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.5	< 0.1	0.5

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	1.1	0.3	1.4	0.8	0.2	1.1	0.6	< 0.1	0.6
R102	1.1	0.2	1.3	0.9	0.1	1.0	0.5	< 0.1	0.5
R103	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.4	< 0.1	0.4
R104	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.4
R105	0.7	0.2	0.8	0.5	0.1	0.6	0.2	< 0.1	0.2
R106	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R107	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R108	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.4	< 0.1	0.4
R109	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.6	< 0.1	0.6
R110	1.0	< 0.1	1.0	0.7	< 0.1	0.7	0.4	< 0.1	0.4
R111	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.5	< 0.1	0.5
R112	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R113	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R114	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R115	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R116	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R117	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R118	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R119	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.6	< 0.1	0.6
R120	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R121	0.9	0.3	1.3	0.7	0.2	1.0	0.5	< 0.1	0.5
R122	1.0	0.3	1.3	0.7	0.2	1.0	0.6	< 0.1	0.6
R123	1.0	< 0.1	1.0	0.7	< 0.1	0.7	0.6	< 0.1	0.7
R124	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.4	< 0.1	0.4
R125	0.9	< 0.1	0.9	0.6	< 0.1	0.6	0.5	0.1	0.6
R126	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R127	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.7	< 0.1	0.7
R128	2.3	0.2	2.4	1.7	0.1	1.9	0.8	< 0.1	0.8

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	8.1	2.9	11.0	1.3	0.2	1.6
R2	9.4	< 0.1	9.4	1.2	0.2	1.4
R3	8.2	< 0.1	8.2	1.2	0.2	1.4
R4	9.5	< 0.1	9.5	1.2	0.2	1.5
R5	5.8	< 0.1	5.8	1.0	0.7	1.7
R6	8.5	< 0.1	8.5	1.5	< 0.1	1.5
R7	3.8	< 0.1	3.8	1.0	1.5	2.5
R8	4.2	< 0.1	4.2	0.8	0.7	1.5
R9	4.1	< 0.1	4.1	0.9	< 0.1	0.9
R10	5.5	< 0.1	5.5	1.3	0.2	1.6
R11	4.3	< 0.1	4.3	1.1	< 0.1	1.1
R12	7.8	2.9	10.6	1.4	0.4	1.8
R13	8.0	2.9	10.9	0.9	0.4	1.2
R14	10.0	2.9	12.9	1.0	4.6	5.6
R15	4.9	< 0.1	4.9	0.7	8.2	8.9
R16	1.0	< 0.1	1.0	0.2	0.1	0.3
R17	1.0	< 0.1	1.0	0.2	1.1	1.3
R18	1.0	< 0.1	1.0	0.2	1.1	1.3
R19	1.1	< 0.1	1.1	0.4	0.2	0.6
R20	1.1	< 0.1	1.1	0.5	< 0.1	0.5
R21	1.1	< 0.1	1.1	0.4	< 0.1	0.4
R22	0.8	< 0.1	0.8	0.3	0.8	1.1
R23	0.9	< 0.1	0.9	0.3	0.2	0.5
R24	0.8	< 0.1	0.8	0.3	0.2	0.5
R25	0.8	< 0.1	0.8	0.2	0.2	0.5
R26	0.7	1.4	2.1	0.1	2.5	2.7
R27	0.6	2.9	3.4	< 0.1	0.6	0.7
R28	0.9	< 0.1	0.9	0.3	0.8	1.2
R29	1.1	< 0.1	1.1	0.4	< 0.1	0.4
R30	1.1	< 0.1	1.1	0.3	< 0.1	0.3

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	1.2	< 0.1	1.2	0.3	< 0.1	0.3
R32	1.0	1.4	2.5	0.2	< 0.1	0.2
R33	0.8	< 0.1	0.8	0.2	0.2	0.4
R34	0.8	< 0.1	0.8	0.2	0.2	0.4
R35	0.8	2.9	3.7	0.2	0.1	0.3
R36	0.9	< 0.1	0.9	0.2	1.1	1.3
R37	0.9	< 0.1	0.9	0.2	1.1	1.3
R38	2.4	2.9	5.2	0.5	0.2	0.8
R39	1.4	< 0.1	1.4	0.3	1.0	1.2
R40	5.5	< 0.1	5.5	0.6	0.6	1.2
R41	4.4	< 0.1	4.4	1.3	< 0.1	1.3
R42	3.7	< 0.1	3.7	1.0	0.2	1.3
R43	2.3	< 0.1	2.3	0.9	< 0.1	0.9
R44	2.5	< 0.1	2.5	1.1	< 0.1	1.1
R45	2.3	< 0.1	2.3	1.0	< 0.1	1.0
R46	1.8	< 0.1	1.8	0.7	0.2	0.9
R47	2.4	2.9	5.2	0.7	< 0.1	0.7
R48	3.2	2.9	6.0	0.8	< 0.1	0.8
R49	3.6	< 0.1	3.6	0.7	0.7	1.4
R50	1.9	2.9	4.7	0.6	< 0.1	0.6
R51	1.5	< 0.1	1.5	0.5	0.2	0.7
R52	1.8	< 0.1	1.8	0.5	0.7	1.2
R53	1.3	< 0.1	1.3	0.5	0.2	0.7
R54	1.2	1.4	2.6	0.3	< 0.1	0.3
R55	1.3	2.9	4.2	0.4	0.2	0.7
R56	1.4	< 0.1	1.4	0.4	< 0.1	0.4
R57	1.2	2.9	4.0	0.3	< 0.1	0.3
R58	1.3	< 0.1	1.3	0.4	0.2	0.7
R59	1.6	< 0.1	1.6	0.4	< 0.1	0.4
R60	1.2	< 0.1	1.2	0.3	0.4	0.6
R61	1.3	1.4	2.8	0.4	0.4	0.8
R62	1.5	2.9	4.3	0.2	1.2	1.4
R63	1.7	< 0.1	1.7	0.3	0.6	0.9
R64	1.3	2.9	4.2	0.2	1.3	1.5
R65	1.2	< 0.1	1.2	0.3	< 0.1	0.3

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	1.3	< 0.1	1.3	0.3	0.1	0.4
R67	1.1	< 0.1	1.1	0.3	0.4	0.6
R68	1.1	2.9	3.9	0.2	0.6	0.8
R69	1.0	< 0.1	1.0	0.2	0.6	0.8
R70	1.3	2.9	4.2	0.3	0.6	0.9
R71	2.2	< 0.1	2.2	0.4	0.6	1.0
R72	2.8	< 0.1	2.8	0.5	8.2	8.8
R73	3.5	< 0.1	3.5	0.6	8.2	8.9
R74	1.5	2.9	4.4	0.5	< 0.1	0.5
R75	1.0	< 0.1	1.0	0.3	< 0.1	0.3
R76	1.1	< 0.1	1.1	0.3	< 0.1	0.3
R77	1.8	2.9	4.7	0.3	0.4	0.7
R78	1.8	< 0.1	1.8	0.5	0.4	0.9
R79	1.3	1.4	2.7	0.4	0.4	0.7
R80	0.9	< 0.1	0.9	0.1	5.8	6.0
R81	1.5	< 0.1	1.5	0.3	< 0.1	0.3
R82	1.4	< 0.1	1.4	0.5	< 0.1	0.5
R83	1.5	2.9	4.3	0.2	0.1	0.3
R84	1.3	< 0.1	1.3	0.2	0.5	0.7
R85	1.8	< 0.1	1.8	0.4	0.4	0.8
R86	1.8	< 0.1	1.8	0.4	0.4	0.8
R87	1.3	2.9	4.2	0.2	0.4	0.6
R88	1.4	2.9	4.3	0.2	1.3	1.5
R89	1.3	2.9	4.1	0.2	2.3	2.4
R90	0.9	< 0.1	0.9	0.2	1.3	1.5
R91	1.1	2.9	3.9	0.2	0.4	0.5
R92	1.1	2.9	4.0	0.2	1.3	1.5
R93	1.2	1.4	2.6	0.3	0.4	0.7
R94	1.4	< 0.1	1.4	0.3	0.4	0.7
R95	1.1	< 0.1	1.1	0.3	0.4	0.7
R96	1.3	2.9	4.2	0.4	< 0.1	0.4
R97	1.3	< 0.1	1.3	0.3	0.7	1.0
R98	0.9	2.9	3.8	0.4	< 0.1	0.4
R99	1.3	2.9	4.1	0.4	< 0.1	0.4
R100	1.0	1.4	2.4	0.2	< 0.1	0.2

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	1.0	2.9	3.9	0.3	< 0.1	0.3
R102	1.1	2.9	3.9	0.3	0.2	0.5
R103	0.9	< 0.1	0.9	0.3	0.2	0.5
R104	0.7	1.4	2.2	0.2	2.5	2.7
R105	0.6	< 0.1	0.6	< 0.1	0.7	0.8
R106	0.7	5.7	6.5	0.1	1.8	1.9
R107	0.8	< 0.1	0.8	0.1	1.0	1.1
R108	1.2	< 0.1	1.2	0.2	0.2	0.4
R109	1.0	< 0.1	1.0	0.2	< 0.1	0.2
R110	0.9	< 0.1	0.9	0.2	0.4	0.6
R111	0.9	< 0.1	0.9	0.1	< 0.1	0.1
R112	1.0	< 0.1	1.0	0.2	1.1	1.3
R113	1.0	< 0.1	1.0	0.2	< 0.1	0.2
R114	0.6	< 0.1	0.6	< 0.1	1.4	1.5
R115	0.8	2.9	3.6	0.1	0.6	0.7
R116	0.5	< 0.1	0.5	< 0.1	1.8	1.9
R117	0.6	2.9	3.5	< 0.1	0.6	0.7
R118	0.8	< 0.1	0.8	0.2	0.1	0.3
R119	1.0	< 0.1	1.0	0.2	0.4	0.5
R120	1.0	< 0.1	1.0	0.2	1.1	1.3
R121	0.9	2.9	3.8	0.2	1.5	1.8
R122	0.9	< 0.1	0.9	0.4	< 0.1	0.4
R123	0.9	< 0.1	0.9	0.3	0.5	0.8
R124	0.6	< 0.1	0.6	0.2	0.5	0.7
R125	0.8	< 0.1	0.8	0.3	1.5	1.9
R126	0.7	< 0.1	0.7	0.2	< 0.1	0.2
R127	1.5	< 0.1	1.5	0.5	< 0.1	0.5
R128	2.2	< 0.1	2.2	0.6	0.7	1.3

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	2.80E-08	1.89E-03	6.82E-04	4.76E-04	1.92E-04
R2	3.81E-08	2.58E-03	9.27E-04	6.47E-04	2.62E-04
R3	3.77E-08	2.55E-03	9.18E-04	6.41E-04	2.59E-04
R4	3.75E-08	2.53E-03	9.12E-04	6.36E-04	2.57E-04
R5	3.23E-08	2.18E-03	7.86E-04	5.48E-04	2.22E-04
R6	2.33E-08	1.57E-03	5.66E-04	3.95E-04	1.60E-04
R7	2.30E-08	1.55E-03	5.59E-04	3.90E-04	1.58E-04
R8	2.06E-08	1.39E-03	5.01E-04	3.49E-04	1.41E-04
R9	1.69E-08	1.14E-03	4.12E-04	2.87E-04	1.16E-04
R10	2.38E-08	1.61E-03	5.78E-04	4.03E-04	1.63E-04
R11	2.57E-08	1.74E-03	6.26E-04	4.37E-04	1.77E-04
R12	2.60E-08	1.76E-03	6.34E-04	4.42E-04	1.79E-04
R13	2.20E-08	1.49E-03	5.36E-04	3.74E-04	1.51E-04
R14	2.73E-08	1.84E-03	6.63E-04	4.63E-04	1.87E-04
R15	2.19E-08	1.48E-03	5.33E-04	3.72E-04	1.50E-04
R16	8.37E-09	5.66E-04	2.04E-04	1.42E-04	5.75E-05
R17	6.29E-09	4.25E-04	1.53E-04	1.07E-04	4.32E-05
R18	6.39E-09	4.32E-04	1.56E-04	1.09E-04	4.39E-05
R19	8.89E-09	6.01E-04	2.16E-04	1.51E-04	6.11E-05
R20	8.83E-09	5.97E-04	2.15E-04	1.50E-04	6.07E-05
R21	8.46E-09	5.72E-04	2.06E-04	1.44E-04	5.81E-05
R22	7.36E-09	4.98E-04	1.79E-04	1.25E-04	5.06E-05
R23	7.14E-09	4.83E-04	1.74E-04	1.21E-04	4.91E-05
R24	6.87E-09	4.65E-04	1.67E-04	1.17E-04	4.72E-05
R25	6.56E-09	4.43E-04	1.60E-04	1.11E-04	4.50E-05
R26	5.49E-09	3.72E-04	1.34E-04	9.33E-05	3.77E-05
R27	4.29E-09	2.90E-04	1.04E-04	7.28E-05	2.95E-05
R28	8.47E-09	5.73E-04	2.06E-04	1.44E-04	5.82E-05
R29	8.74E-09	5.91E-04	2.13E-04	1.48E-04	6.00E-05
R30	8.26E-09	5.58E-04	2.01E-04	1.40E-04	5.67E-05
R31	9.75E-09	6.59E-04	2.37E-04	1.66E-04	6.70E-05
R32	7.12E-09	4.81E-04	1.73E-04	1.21E-04	4.89E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	6.14E-09	4.15E-04	1.50E-04	1.04E-04	4.22E-05
R34	6.27E-09	4.24E-04	1.53E-04	1.06E-04	4.31E-05
R35	6.60E-09	4.46E-04	1.61E-04	1.12E-04	4.53E-05
R36	6.08E-09	4.11E-04	1.48E-04	1.03E-04	4.17E-05
R37	6.36E-09	4.30E-04	1.55E-04	1.08E-04	4.37E-05
R38	1.77E-08	1.20E-03	4.31E-04	3.00E-04	1.22E-04
R39	1.13E-08	7.62E-04	2.74E-04	1.91E-04	7.74E-05
R40	2.39E-08	1.61E-03	5.81E-04	4.05E-04	1.64E-04
R41	2.23E-08	1.51E-03	5.44E-04	3.79E-04	1.53E-04
R42	1.83E-08	1.24E-03	4.46E-04	3.11E-04	1.26E-04
R43	1.59E-08	1.08E-03	3.88E-04	2.70E-04	1.09E-04
R44	2.11E-08	1.43E-03	5.13E-04	3.58E-04	1.45E-04
R45	1.82E-08	1.23E-03	4.43E-04	3.09E-04	1.25E-04
R46	1.41E-08	9.54E-04	3.43E-04	2.40E-04	9.69E-05
R47	1.55E-08	1.05E-03	3.77E-04	2.63E-04	1.06E-04
R48	1.58E-08	1.07E-03	3.85E-04	2.69E-04	1.09E-04
R49	1.61E-08	1.09E-03	3.92E-04	2.73E-04	1.11E-04
R50	1.63E-08	1.10E-03	3.98E-04	2.77E-04	1.12E-04
R51	9.71E-09	6.57E-04	2.36E-04	1.65E-04	6.67E-05
R52	9.69E-09	6.55E-04	2.36E-04	1.65E-04	6.66E-05
R53	9.48E-09	6.41E-04	2.31E-04	1.61E-04	6.51E-05
R54	8.04E-09	5.44E-04	1.96E-04	1.36E-04	5.52E-05
R55	1.04E-08	7.01E-04	2.52E-04	1.76E-04	7.12E-05
R56	9.69E-09	6.56E-04	2.36E-04	1.65E-04	6.66E-05
R57	8.41E-09	5.69E-04	2.05E-04	1.43E-04	5.78E-05
R58	9.51E-09	6.43E-04	2.31E-04	1.61E-04	6.53E-05
R59	1.08E-08	7.28E-04	2.62E-04	1.83E-04	7.40E-05
R60	1.01E-08	6.80E-04	2.45E-04	1.71E-04	6.91E-05
R61	1.02E-08	6.87E-04	2.47E-04	1.73E-04	6.98E-05
R62	9.95E-09	6.73E-04	2.42E-04	1.69E-04	6.83E-05
R63	1.04E-08	7.01E-04	2.52E-04	1.76E-04	7.12E-05
R64	8.39E-09	5.67E-04	2.04E-04	1.42E-04	5.76E-05
R65	1.02E-08	6.89E-04	2.48E-04	1.73E-04	7.00E-05
R66	9.63E-09	6.51E-04	2.34E-04	1.63E-04	6.61E-05
R67	9.48E-09	6.41E-04	2.31E-04	1.61E-04	6.51E-05
R68	6.78E-09	4.58E-04	1.65E-04	1.15E-04	4.65E-05
R69	6.76E-09	4.57E-04	1.65E-04	1.15E-04	4.64E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	8.24E-09	5.57E-04	2.01E-04	1.40E-04	5.66E-05
R71	1.14E-08	7.70E-04	2.77E-04	1.93E-04	7.83E-05
R72	1.28E-08	8.64E-04	3.11E-04	2.17E-04	8.78E-05
R73	1.71E-08	1.15E-03	4.16E-04	2.90E-04	1.17E-04
R74	1.17E-08	7.90E-04	2.84E-04	1.98E-04	8.03E-05
R75	8.73E-09	5.90E-04	2.12E-04	1.48E-04	6.00E-05
R76	8.38E-09	5.67E-04	2.04E-04	1.42E-04	5.76E-05
R77	1.09E-08	7.38E-04	2.66E-04	1.85E-04	7.50E-05
R78	1.00E-08	6.79E-04	2.44E-04	1.70E-04	6.89E-05
R79	9.76E-09	6.60E-04	2.38E-04	1.66E-04	6.71E-05
R80	6.57E-09	4.44E-04	1.60E-04	1.12E-04	4.51E-05
R81	9.62E-09	6.51E-04	2.34E-04	1.63E-04	6.61E-05
R82	1.03E-08	6.97E-04	2.51E-04	1.75E-04	7.08E-05
R83	1.07E-08	7.24E-04	2.61E-04	1.82E-04	7.35E-05
R84	1.07E-08	7.27E-04	2.62E-04	1.82E-04	7.38E-05
R85	8.91E-09	6.02E-04	2.17E-04	1.51E-04	6.12E-05
R86	9.80E-09	6.63E-04	2.39E-04	1.66E-04	6.73E-05
R87	8.94E-09	6.04E-04	2.18E-04	1.52E-04	6.14E-05
R88	9.20E-09	6.22E-04	2.24E-04	1.56E-04	6.32E-05
R89	8.52E-09	5.76E-04	2.07E-04	1.45E-04	5.85E-05
R90	7.30E-09	4.94E-04	1.78E-04	1.24E-04	5.02E-05
R91	8.12E-09	5.49E-04	1.98E-04	1.38E-04	5.58E-05
R92	8.02E-09	5.42E-04	1.95E-04	1.36E-04	5.51E-05
R93	9.26E-09	6.26E-04	2.25E-04	1.57E-04	6.36E-05
R94	8.38E-09	5.67E-04	2.04E-04	1.42E-04	5.76E-05
R95	8.28E-09	5.60E-04	2.01E-04	1.40E-04	5.68E-05
R96	8.59E-09	5.81E-04	2.09E-04	1.46E-04	5.90E-05
R97	7.89E-09	5.33E-04	1.92E-04	1.34E-04	5.42E-05
R98	7.62E-09	5.15E-04	1.85E-04	1.29E-04	5.23E-05
R99	9.09E-09	6.15E-04	2.21E-04	1.54E-04	6.24E-05
R100	8.50E-09	5.75E-04	2.07E-04	1.44E-04	5.84E-05
R101	7.15E-09	4.83E-04	1.74E-04	1.21E-04	4.91E-05
R102	7.97E-09	5.39E-04	1.94E-04	1.35E-04	5.48E-05
R103	7.13E-09	4.82E-04	1.74E-04	1.21E-04	4.90E-05
R104	5.67E-09	3.83E-04	1.38E-04	9.63E-05	3.89E-05
R105	4.36E-09	2.95E-04	1.06E-04	7.40E-05	2.99E-05
R106	5.86E-09	3.96E-04	1.43E-04	9.95E-05	4.03E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	6.49E-09	4.39E-04	1.58E-04	1.10E-04	4.46E-05
R108	8.80E-09	5.95E-04	2.14E-04	1.49E-04	6.04E-05
R109	8.45E-09	5.71E-04	2.06E-04	1.43E-04	5.81E-05
R110	6.91E-09	4.67E-04	1.68E-04	1.17E-04	4.75E-05
R111	7.29E-09	4.93E-04	1.77E-04	1.24E-04	5.00E-05
R112	7.33E-09	4.96E-04	1.78E-04	1.24E-04	5.04E-05
R113	7.91E-09	5.35E-04	1.93E-04	1.34E-04	5.43E-05
R114	5.24E-09	3.54E-04	1.28E-04	8.89E-05	3.60E-05
R115	5.11E-09	3.45E-04	1.24E-04	8.67E-05	3.51E-05
R116	3.66E-09	2.47E-04	8.90E-05	6.21E-05	2.51E-05
R117	4.32E-09	2.92E-04	1.05E-04	7.34E-05	2.97E-05
R118	6.36E-09	4.30E-04	1.55E-04	1.08E-04	4.37E-05
R119	8.67E-09	5.86E-04	2.11E-04	1.47E-04	5.95E-05
R120	6.84E-09	4.63E-04	1.67E-04	1.16E-04	4.70E-05
R121	7.63E-09	5.16E-04	1.86E-04	1.30E-04	5.24E-05
R122	8.08E-09	5.46E-04	1.97E-04	1.37E-04	5.55E-05
R123	8.51E-09	5.75E-04	2.07E-04	1.44E-04	5.84E-05
R124	5.91E-09	4.00E-04	1.44E-04	1.00E-04	4.06E-05
R125	7.53E-09	5.09E-04	1.83E-04	1.28E-04	5.17E-05
R126	4.83E-09	3.27E-04	1.18E-04	8.20E-05	3.32E-05
R127	1.08E-08	7.33E-04	2.64E-04	1.84E-04	7.44E-05
R128	1.16E-08	7.83E-04	2.82E-04	1.96E-04	7.95E-05
Max. at boundary	4.28E-08	2.89E-03	–	–	2.94E-04

Nitrogen dioxide (NO₂)

Maximum 1-hour concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.
Criterion			164
R1	1 093.2	10.2	1 103.4
R2	1 101.4	12.3	1 113.7
R3	985.4	12.3	997.7
R4	1 112.5	12.3	1 124.8
R5	810.0	8.2	818.2
R6	1 193.5	12.3	1 205.8
R7	681.6	12.3	693.9
R8	656.2	12.3	668.5
R9	639.0	10.2	649.2
R10	801.8	10.2	812.1
R11	620.6	10.2	630.9
R12	921.2	8.2	929.4
R13	973.0	8.2	981.2
R14	1 072.7	4.1	1 076.8
R15	610.8	10.2	621.1
R16	486.8	2.0	488.9
R17	578.3	2.0	580.3
R18	558.0	2.0	560.1
R19	391.5	< 0.1	391.5
R20	425.2	2.0	427.2
R21	423.5	2.0	425.5
R22	358.0	8.2	366.2
R23	387.6	2.0	389.6
R24	372.0	2.0	374.0
R25	348.7	10.2	359.0
R26	338.6	10.2	348.8
R27	230.6	10.2	240.9
R28	391.2	10.2	401.5
R29	384.3	8.2	392.5
R30	363.1	2.0	365.1

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R31	370.4	8.2	378.6
R32	367.7	10.2	377.9
R33	332.9	10.2	343.1
R34	338.2	10.2	348.4
R35	338.0	2.0	340.0
R36	534.5	2.0	536.6
R37	544.5	2.0	546.6
R38	678.7	2.0	680.7
R39	330.3	34.9	365.1
R40	608.0	34.9	642.8
R41	1 554.6	12.3	1 566.9
R42	809.6	6.1	815.8
R43	491.5	12.3	503.8
R44	557.9	12.3	570.2
R45	561.2	12.3	573.5
R46	341.0	10.2	351.3
R47	457.7	8.2	465.9
R48	534.6	8.2	542.8
R49	648.7	12.3	661.0
R50	469.7	10.2	480.0
R51	401.2	8.2	409.4
R52	503.5	12.3	515.8
R53	406.2	< 0.1	406.2
R54	377.6	10.2	387.9
R55	388.2	2.0	390.2
R56	443.4	10.2	453.6
R57	336.4	10.2	346.7
R58	364.3	6.1	370.4
R59	515.4	6.1	521.6
R60	408.9	6.1	415.1
R61	393.7	12.3	406.0
R62	452.1	4.1	456.2
R63	320.5	6.1	326.6
R64	349.8	8.2	358.0
R65	454.1	2.0	456.2

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R66	515.4	< 0.1	515.4
R67	351.9	6.1	358.0
R68	293.8	4.1	297.9
R69	244.1	4.1	248.2
R70	259.5	4.1	263.6
R71	452.0	10.2	462.3
R72	564.1	10.2	574.3
R73	611.3	10.2	621.5
R74	460.3	12.3	472.6
R75	382.6	< 0.1	382.6
R76	403.6	< 0.1	403.6
R77	525.5	4.1	529.6
R78	510.6	4.1	514.7
R79	401.5	12.3	413.8
R80	293.7	10.2	303.9
R81	511.9	6.1	518.1
R82	475.5	16.4	491.9
R83	603.4	22.6	626.0
R84	464.9	4.1	469.0
R85	569.7	4.1	573.8
R86	572.6	4.1	576.7
R87	467.9	10.2	478.2
R88	352.4	12.3	364.7
R89	341.6	14.3	356.0
R90	360.0	8.2	368.2
R91	450.1	10.2	460.3
R92	353.3	8.2	361.5
R93	413.6	12.3	425.9
R94	457.2	4.1	461.3
R95	393.8	12.3	406.1
R96	405.8	8.2	414.0
R97	482.6	12.3	494.9
R98	356.3	2.0	358.3
R99	473.6	2.0	475.7
R100	371.2	6.1	377.4

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R101	357.4	8.2	365.6
R102	385.0	2.0	387.0
R103	354.2	< 0.1	354.2
R104	342.6	10.2	352.8
R105	204.8	4.1	208.9
R106	287.9	10.2	298.2
R107	326.7	6.1	332.9
R108	485.9	< 0.1	485.9
R109	473.0	2.0	475.0
R110	436.5	< 0.1	436.5
R111	355.3	4.1	359.4
R112	489.6	2.0	491.7
R113	521.7	2.0	523.8
R114	299.3	6.1	305.5
R115	311.3	6.1	317.4
R116	229.9	10.2	240.1
R117	300.3	4.1	304.4
R118	417.0	2.0	419.0
R119	330.2	2.0	332.3
R120	535.4	2.0	537.5
R121	338.1	20.5	358.6
R122	380.6	10.2	390.9
R123	400.2	< 0.1	400.2
R124	335.8	< 0.1	335.8
R125	392.4	< 0.1	392.4
R126	357.5	< 0.1	357.5
R127	395.6	10.2	405.9
R128	458.2	12.3	470.5

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	8 463.9	27/09/2021 06:00	846.4	0.16	1.09	0.635	0.1	0.03	1 093.2	10.2	1 103.4
R2	9 303.6	02/10/2021 06:00	930.4	0.62	< 0.1	0.635	0.1	0.02	1 101.4	12.3	1 113.7
R3	8 123.4	02/10/2021 06:00	812.3	0.62	< 0.1	0.635	0.1	0.02	985.4	12.3	997.7
R4	9 419.3	02/10/2021 06:00	941.9	0.62	< 0.1	0.635	0.1	0.02	1 112.5	12.3	1 124.8
R5	6 179.5	29/04/2021 07:00	618.0	0.34	< 0.1	0.635	0.1	0.03	810.0	8.2	818.2
R6	9 337.1	02/10/2021 06:00	933.7	0.62	< 0.1	0.635	0.1	0.03	1 193.5	12.3	1 205.8
R7	4 698.7	02/10/2021 06:00	469.9	0.62	< 0.1	0.635	0.1	0.05	681.6	12.3	693.9
R8	4 296.3	25/09/2021 06:00	429.6	0.53	4.36	0.635	0.1	0.06	656.2	12.3	668.5
R9	4 350.1	27/09/2021 06:00	435.0	0.16	1.09	0.635	0.1	0.05	639.0	10.2	649.2
R10	5 761.6	27/09/2021 06:00	576.2	0.16	1.09	0.635	0.1	0.04	801.8	10.2	812.1
R11	4 511.7	27/09/2021 06:00	451.2	0.16	1.09	0.635	0.1	0.04	620.6	10.2	630.9
R12	8 151.9	19/08/2021 07:00	815.2	0.16	4.36	0.49	0.05	0.01	921.2	8.2	929.4
R13	8 600.0	19/08/2021 07:00	860.0	0.16	4.36	0.49	0.05	0.01	973.0	8.2	981.2
R14	10 027.5	20/08/2021 07:00	1 002.7	< 0.1	1.09	0.49	0.05	0.01	1 072.7	4.1	1 076.8
R15	5 376.2	16/06/2021 08:00	537.6	0.19	< 0.1	0.49	0.05	0.02	610.8	10.2	621.1
R16	1 376.8	12/09/2021 17:00	137.7	3.62	45.78	0.85	0.1	0.28	486.8	2.0	488.9
R17	1 432.0	15/11/2021 04:00	143.2	2.57	22.89	0.74	0.1	0.34	578.3	2.0	580.3
R18	1 393.6	15/11/2021 04:00	139.4	2.57	22.89	0.74	0.1	0.33	558.0	2.0	560.1
R19	1 500.8	02/01/2021 05:00	150.1	1.04	6.54	0.67	0.1	0.18	391.5	< 0.1	391.5
R20	1 470.3	14/09/2021 06:00	147.0	2.12	25.07	0.74	0.1	0.21	425.2	2.0	427.2
R21	1 413.0	14/09/2021 06:00	141.3	2.12	25.07	0.74	0.1	0.22	423.5	2.0	425.5
R22	1 068.3	20/05/2021 17:00	106.8	1.16	22.89	0.74	0.1	0.26	358.0	8.2	366.2
R23	1 108.0	21/09/2021 17:00	110.8	2.19	32.70	0.8	0.1	0.28	387.6	2.0	389.6
R24	1 042.0	21/09/2021 17:00	104.2	2.19	32.70	0.8	0.1	0.29	372.0	2.0	374.0
R25	1 023.7	22/12/2021 01:00	102.4	1.13	37.61	0.74	0.1	0.27	348.7	10.2	359.0
R26	970.0	22/12/2021 00:00	97.0	1.77	37.61	0.74	0.1	0.28	338.6	10.2	348.8
R27	704.5	19/12/2021 20:00	70.5	2.07	37.61	0.74	0.1	0.25	230.6	10.2	240.9
R28	1 275.4	16/12/2021 05:00	127.5	1.29	37.61	0.74	0.1	0.23	391.2	10.2	401.5
R29	1 232.5	20/05/2021 17:00	123.2	1.16	22.89	0.74	0.1	0.24	384.3	8.2	392.5
R30	1 159.2	14/09/2021 06:00	115.9	2.12	25.07	0.74	0.1	0.24	363.1	2.0	365.1
R31	1 570.0	06/09/2021 17:00	157.0	1.76	30.52	0.8	0.1	0.15	370.4	8.2	378.6
R32	1 247.2	22/12/2021 00:00	124.7	1.77	37.61	0.74	0.1	0.22	367.7	10.2	377.9

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	945.4	22/12/2021 01:00	94.5	1.13	37.61	0.74	0.1	0.28	332.9	10.2	343.1
R34	964.9	22/12/2021 01:00	96.5	1.13	37.61	0.74	0.1	0.28	338.2	10.2	348.4
R35	998.5	21/11/2021 05:00	99.9	1.53	20.71	0.74	0.1	0.26	338.0	2.0	340.0
R36	1 375.0	15/11/2021 04:00	137.5	2.57	22.89	0.74	0.1	0.32	534.5	2.0	536.6
R37	1 380.4	15/11/2021 04:00	138.0	2.57	22.89	0.74	0.1	0.33	544.5	2.0	546.6
R38	3 849.3	14/04/2021 17:00	384.9	2.57	28.34	0.74	0.1	0.08	678.7	2.0	680.7
R39	2 460.7	16/08/2021 07:00	246.1	0.22	1.09	0.49	0.05	0.04	330.3	34.9	365.1
R40	5 425.0	16/08/2021 07:00	542.5	0.22	1.09	0.49	0.05	0.01	608.0	34.9	642.8
R41	11 399.6	02/10/2021 06:00	1 140.0	0.62	< 0.1	0.635	0.1	0.04	1 554.6	12.3	1 566.9
R42	5 016.9	03/10/2021 06:00	501.7	0.13	< 0.1	0.635	0.1	0.07	809.6	6.1	815.8
R43	2 690.5	25/09/2021 06:00	269.0	0.53	4.36	0.635	0.1	0.09	491.5	12.3	503.8
R44	3 387.8	10/02/2021 18:00	338.8	2.15	15.26	0.67	0.1	0.07	557.9	12.3	570.2
R45	3 201.9	10/02/2021 18:00	320.2	2.15	15.26	0.67	0.1	0.08	561.2	12.3	573.5
R46	1 871.1	21/12/2021 23:00	187.1	2.45	37.61	0.74	0.1	0.09	341.0	10.2	351.3
R47	2 901.1	30/04/2021 07:00	290.1	0.29	< 0.1	0.635	0.1	0.06	457.7	8.2	465.9
R48	3 450.1	29/04/2021 07:00	345.0	0.34	< 0.1	0.635	0.1	0.06	534.6	8.2	542.8
R49	3 719.8	25/09/2021 06:00	372.0	0.53	4.36	0.635	0.1	0.08	648.7	12.3	661.0
R50	2 451.4	20/12/2021 05:00	245.1	0.77	37.61	0.74	0.1	0.10	469.7	10.2	480.0
R51	1 948.9	10/02/2021 06:00	194.9	1.29	1.09	0.67	0.1	0.12	401.2	8.2	409.4
R52	2 145.0	25/09/2021 06:00	214.5	0.53	4.36	0.635	0.1	0.15	503.5	12.3	515.8
R53	1 781.1	02/01/2021 05:00	178.1	1.04	6.54	0.67	0.1	0.14	406.2	< 0.1	406.2
R54	1 454.4	22/12/2021 00:00	145.4	1.77	37.61	0.74	0.1	0.18	377.6	10.2	387.9
R55	1 438.7	21/09/2021 17:00	143.9	2.19	32.70	0.8	0.1	0.19	388.2	2.0	390.2
R56	1 656.0	16/12/2021 05:00	165.6	1.29	37.61	0.74	0.1	0.19	443.4	10.2	453.6
R57	1 397.3	21/12/2021 23:00	139.7	2.45	37.61	0.74	0.1	0.16	336.4	10.2	346.7
R58	1 471.5	22/11/2021 18:00	147.2	2.59	20.71	0.74	0.1	0.16	364.3	6.1	370.4
R59	2 174.3	16/11/2021 18:00	217.4	2.27	27.25	0.74	0.1	0.15	515.4	6.1	521.6
R60	1 300.1	18/01/2021 18:00	130.0	2.27	49.05	0.81	0.15	0.24	408.9	6.1	415.1
R61	1 792.4	03/02/2021 18:00	179.2	2.28	19.62	0.67	0.1	0.13	393.7	12.3	406.0
R62	2 150.2	01/05/2021 07:00	215.0	0.18	< 0.1	0.635	0.1	0.12	452.1	4.1	456.2
R63	1 749.3	09/04/2021 07:00	174.9	0.45	< 0.1	0.635	0.1	0.09	320.5	6.1	326.6
R64	1 269.4	08/10/2021 17:00	126.9	2.19	38.15	0.8	0.1	0.20	349.8	8.2	358.0
R65	1 544.5	15/11/2021 04:00	154.5	2.57	22.89	0.74	0.1	0.22	454.1	2.0	456.2
R66	1 990.1	25/07/2021 06:00	199.0	3.83	32.70	0.87	0.07	0.18	515.4	< 0.1	515.4
R67	1 306.7	14/04/2021 19:00	130.7	1.07	23.98	0.74	0.1	0.19	351.9	6.1	358.0
R68	1 311.7	20/04/2021 07:00	131.2	< 0.1	< 0.1	0.635	0.1	0.14	293.8	4.1	297.9

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	1 097.2	14/04/2021 07:00	109.7	< 0.1	< 0.1	0.635	0.1	0.14	244.1	4.1	248.2
R70	1 301.3	14/04/2021 07:00	130.1	< 0.1	< 0.1	0.635	0.1	0.11	259.5	4.1	263.6
R71	2 699.3	12/02/2021 06:00	269.9	0.23	< 0.1	0.67	0.1	0.07	452.0	10.2	462.3
R72	3 213.2	12/02/2021 06:00	321.3	0.23	< 0.1	0.67	0.1	0.08	564.1	10.2	574.3
R73	3 694.7	19/12/2021 05:00	369.5	0.64	37.61	0.74	0.1	0.07	611.3	10.2	621.5
R74	2 396.9	04/08/2021 07:00	239.7	1.88	25.07	0.83	0.07	0.10	460.3	12.3	472.6
R75	1 548.1	26/06/2021 16:00	154.8	1.73	29.43	0.83	0.07	0.16	382.6	< 0.1	382.6
R76	1 341.1	05/10/2021 20:00	134.1	2.56	31.61	0.8	0.1	0.22	403.6	< 0.1	403.6
R77	2 551.9	01/05/2021 07:00	255.2	0.18	< 0.1	0.635	0.1	0.12	525.5	4.1	529.6
R78	2 388.1	03/01/2021 06:00	238.8	< 0.1	2.18	0.67	0.1	0.13	510.6	4.1	514.7
R79	1 742.6	03/02/2021 18:00	174.3	2.28	19.62	0.67	0.1	0.14	401.5	12.3	413.8
R80	1 014.3	19/12/2021 05:00	101.4	0.64	37.61	0.74	0.1	0.21	293.7	10.2	303.9
R81	2 141.0	19/02/2021 18:00	214.1	2.10	14.17	0.67	0.1	0.15	511.9	6.1	518.1
R82	1 992.3	14/12/2021 18:00	199.2	1.85	22.35	0.67	0.1	0.15	475.5	16.4	491.9
R83	2 175.8	01/09/2021 17:00	217.6	1.60	33.79	0.8	0.1	0.20	603.4	22.6	626.0
R84	1 728.9	28/03/2021 17:00	172.9	2.05	32.70	0.8	0.1	0.19	464.9	4.1	469.0
R85	2 442.4	03/01/2021 06:00	244.2	< 0.1	2.18	0.67	0.1	0.15	569.7	4.1	573.8
R86	2 545.4	03/01/2021 06:00	254.5	< 0.1	2.18	0.67	0.1	0.14	572.6	4.1	576.7
R87	1 381.2	02/12/2021 18:00	138.1	1.73	42.51	0.81	0.15	0.27	467.9	10.2	478.2
R88	827.6	12/01/2021 18:00	82.8	2.08	65.40	0.88	0.2	0.36	352.4	12.3	364.7
R89	962.9	12/01/2021 19:00	96.3	1.80	53.41	0.81	0.15	0.28	341.6	14.3	356.0
R90	1 159.7	08/10/2021 17:00	116.0	2.19	38.15	0.8	0.1	0.23	360.0	8.2	368.2
R91	1 243.9	02/12/2021 18:00	124.4	1.73	42.51	0.81	0.15	0.29	450.1	10.2	460.3
R92	1 201.7	08/10/2021 17:00	120.2	2.19	38.15	0.8	0.1	0.22	353.3	8.2	361.5
R93	1 668.5	03/02/2021 18:00	166.9	2.28	19.62	0.67	0.1	0.16	413.6	12.3	425.9
R94	1 794.7	03/01/2021 06:00	179.5	< 0.1	2.18	0.67	0.1	0.17	457.2	4.1	461.3
R95	1 462.4	10/02/2021 20:00	146.2	1.42	10.90	0.67	0.1	0.19	393.8	12.3	406.1
R96	1 580.9	02/03/2021 06:00	158.1	0.83	2.18	0.635	0.1	0.17	405.8	8.2	414.0
R97	1 818.8	25/09/2021 06:00	181.9	0.53	4.36	0.635	0.1	0.18	482.6	12.3	494.9
R98	1 171.4	14/09/2021 06:00	117.1	2.12	25.07	0.74	0.1	0.23	356.3	2.0	358.3
R99	1 784.1	29/12/2021 05:00	178.4	1.11	4.36	0.67	0.1	0.18	473.6	2.0	475.7
R100	1 415.7	02/02/2021 18:00	141.6	2.02	18.53	0.67	0.1	0.18	371.2	6.1	377.4
R101	1 250.0	02/03/2021 06:00	125.0	0.83	2.18	0.635	0.1	0.21	357.4	8.2	365.6
R102	1 228.4	21/09/2021 17:00	122.8	2.19	32.70	0.8	0.1	0.24	385.0	2.0	387.0
R103	1 189.2	02/01/2021 05:00	118.9	1.04	6.54	0.67	0.1	0.22	354.2	< 0.1	354.2
R104	1 004.5	22/12/2021 00:00	100.5	1.77	37.61	0.74	0.1	0.27	342.6	10.2	352.8

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	760.8	18/10/2021 06:00	76.1	0.40	1.09	0.635	0.1	0.19	204.8	4.1	208.9
R106	979.0	19/12/2021 20:00	97.9	2.07	37.61	0.74	0.1	0.22	287.9	10.2	298.2
R107	1 102.9	09/09/2021 21:00	110.3	1.64	35.97	0.8	0.1	0.22	326.7	6.1	332.9
R108	1 719.5	25/07/2021 04:00	172.0	2.94	30.52	0.87	0.07	0.20	485.9	< 0.1	485.9
R109	1 490.9	13/11/2021 22:00	149.1	2.01	20.71	0.74	0.1	0.24	473.0	2.0	475.0
R110	1 338.8	25/07/2021 17:00	133.9	3.06	32.70	0.87	0.07	0.25	436.5	< 0.1	436.5
R111	1 164.4	13/11/2021 00:00	116.4	3.36	21.80	0.74	0.1	0.23	355.3	4.1	359.4
R112	1 468.3	15/11/2021 03:00	146.8	2.50	22.89	0.74	0.1	0.26	489.6	2.0	491.7
R113	1 426.9	19/09/2021 18:00	142.7	2.00	32.70	0.8	0.1	0.30	521.7	2.0	523.8
R114	806.5	09/09/2021 20:00	80.6	2.59	38.15	0.8	0.1	0.30	299.3	6.1	305.5
R115	908.9	09/09/2021 22:00	90.9	0.59	34.88	0.8	0.1	0.27	311.3	6.1	317.4
R116	681.8	19/12/2021 20:00	68.2	2.07	37.61	0.74	0.1	0.26	229.9	10.2	240.1
R117	907.0	28/07/2021 18:00	90.7	3.14	29.43	0.83	0.07	0.26	300.3	4.1	304.4
R118	992.9	12/09/2021 17:00	99.3	3.62	45.78	0.85	0.1	0.36	417.0	2.0	419.0
R119	1 253.0	13/11/2021 01:00	125.3	3.42	21.80	0.74	0.1	0.18	330.2	2.0	332.3
R120	1 406.4	15/11/2021 04:00	140.6	2.57	22.89	0.74	0.1	0.31	535.4	2.0	537.5
R121	1 188.2	29/05/2021 07:00	118.8	1.88	10.90	0.635	0.1	0.21	338.1	20.5	358.6
R122	1 309.7	14/05/2021 07:00	131.0	0.61	< 0.1	0.635	0.1	0.21	380.6	10.2	390.9
R123	1 154.2	15/05/2021 19:00	115.4	2.02	27.25	0.74	0.1	0.27	400.2	< 0.1	400.2
R124	880.6	05/10/2021 18:00	88.1	3.80	32.70	0.8	0.1	0.31	335.8	< 0.1	335.8
R125	1 111.9	26/05/2021 17:00	111.2	1.51	29.43	0.74	0.1	0.28	392.4	< 0.1	392.4
R126	863.1	05/10/2021 20:00	86.3	2.56	31.61	0.8	0.1	0.35	357.5	< 0.1	357.5
R127	1 760.9	16/12/2021 05:00	176.1	1.29	37.61	0.74	0.1	0.14	395.6	10.2	405.9
R128	2 230.6	25/09/2021 06:00	223.1	0.53	4.36	0.635	0.1	0.12	458.2	12.3	470.5

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R41				Highest cumulative PM ₁₀ impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
14/05/2021	45.7	9.5	55.2	04/05/2021	15.7	54.9	70.6
18/07/2021	44.1	5.7	49.8	02/03/2021	27.2	33.8	61.0
05/10/2021	43.9	14.0	57.9	05/03/2021	26.9	32.7	59.6
05/08/2021	41.9	7.8	49.7	25/09/2021	27.5	27.9	55.4
27/05/2021	37.9	9.3	47.2	19/01/2021	23.8	30.0	53.8
16/05/2021	37.6	7.9	45.5	16/04/2021	23.8	29.9	53.7
02/10/2021	37.3	8.0	45.3	06/03/2021	26.8	25.7	52.5
25/08/2021	37.3	5.4	42.7	29/04/2021	15.6	36.0	51.6
06/08/2021	37.1	15.4	52.5	23/04/2021	20.4	29.9	50.3
04/08/2021	37.1	5.6	42.7	17/08/2021	29.0	19.9	48.9

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	40.7	12.3	53.0	04/05/2021	15.7	54.9	70.6
22/03/2021	39.1	5.9	45.0	02/03/2021	27.6	33.8	61.4
19/02/2021	36.4	13.4	49.8	05/03/2021	27.8	32.7	60.5
29/01/2021	30.7	8.2	38.9	25/09/2021	29.1	27.9	57.0
10/03/2021	28.0	21.1	49.1	16/04/2021	25.7	29.9	55.6
02/11/2021	25.8	19.1	44.9	19/01/2021	24.8	30.0	54.8
20/02/2021	25.0	11.4	36.4	06/03/2021	28.7	25.7	54.4
10/02/2021	24.8	23.8	48.6	23/04/2021	22.5	29.9	52.4
09/11/2021	23.8	13.4	37.2	29/04/2021	15.8	36.0	51.8
24/12/2021	22.9	13.5	36.4	17/08/2021	31.4	19.9	51.3

Highest incremental PM ₁₀ impact – Receptor R42				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
14/05/2021	38.2	9.5	47.7	04/05/2021	15.4	54.9	70.3
18/07/2021	35.9	5.7	41.6	02/03/2021	28.5	33.8	62.3
05/08/2021	35.7	7.8	43.5	05/03/2021	28.0	32.7	60.7
27/05/2021	31.8	9.3	41.1	25/09/2021	28.9	27.9	56.8
25/08/2021	29.1	5.4	34.5	16/04/2021	26.8	29.9	56.7
06/08/2021	27.4	15.4	42.8	06/03/2021	29.6	25.7	55.3
05/07/2021	27.2	10.9	38.1	19/01/2021	23.8	30.0	53.8
11/04/2021	25.2	9.5	34.7	23/04/2021	22.3	29.9	52.2
16/05/2021	24.3	7.9	32.2	29/04/2021	15.7	36.0	51.7
04/06/2021	23.8	8.8	32.6	17/08/2021	30.8	19.9	50.7

Highest incremental PM ₁₀ impact – Receptor R6				Highest cumulative PM ₁₀ impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/08/2021	37.0	7.8	44.8	04/05/2021	14.3	54.9	69.2
14/05/2021	36.0	9.5	45.5	02/03/2021	19.9	33.8	53.7
27/05/2021	35.6	9.3	44.9	05/03/2021	20.7	32.7	53.4
25/08/2021	32.9	5.4	38.3	19/01/2021	19.7	30.0	49.7
18/07/2021	32.5	5.7	38.2	25/09/2021	21.0	27.9	48.9
05/07/2021	32.1	10.9	43.0	29/04/2021	12.8	36.0	48.8
06/08/2021	29.6	15.4	45.0	23/04/2021	17.9	29.9	47.8
04/06/2021	29.4	8.8	38.2	20/04/2021	< 0.1	46.2	46.2
23/04/2021	28.4	29.9	58.3	16/04/2021	13.6	29.9	43.5
28/05/2021	27.8	14.3	42.1	27/04/2021	7.8	35.4	43.2

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
17/03/2021	35.7	13.5	49.2	04/05/2021	13.8	54.9	68.7
18/03/2021	35.4	9.1	44.5	23/04/2021	28.4	29.9	58.3
19/03/2021	33.7	13.8	47.5	16/01/2021	26.3	25.0	51.3
11/11/2021	33.4	14.5	47.9	02/03/2021	16.6	33.8	50.4
28/01/2021	29.0	16.0	45.0	29/04/2021	14.3	36.0	50.3
20/03/2021	28.9	9.9	38.8	05/03/2021	17.1	32.7	49.8
17/02/2021	26.9	14.1	41.0	15/01/2021	17.1	31.5	48.6
18/02/2021	26.9	13.9	40.8	25/09/2021	20.6	27.9	48.5
09/02/2021	25.6	19.8	45.4	17/08/2021	27.2	19.9	47.1
22/12/2021	25.3	15.1	40.4	20/04/2021	< 0.1	46.2	46.2

Highest incremental PM ₁₀ impact – Receptor R44				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	35.5	12.3	47.8	04/05/2021	12.3	54.9	67.2
19/02/2021	20.2	13.4	33.6	06/03/2021	31.1	25.7	56.8
09/11/2021	15.6	13.4	29.0	19/01/2021	26.0	30.0	56.0
28/02/2021	14.1	21.6	35.7	02/03/2021	22.1	33.8	55.9
10/02/2021	13.5	23.8	37.3	05/03/2021	22.8	32.7	55.5
10/03/2021	13.5	21.1	34.6	16/04/2021	22.3	29.9	52.2
29/01/2021	13.3	8.2	21.5	26/02/2021	28.1	22.5	50.6
06/04/2021	12.9	22.4	35.3	09/02/2021	30.6	19.8	50.4
17/01/2021	12.8	25.5	38.3	16/12/2021	30.0	20.0	50.0
24/12/2021	12.4	13.5	25.9	03/03/2021	25.1	24.8	49.9

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R7			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
18/03/2021	35.2	9.1	44.3	04/05/2021	9.5	54.9	64.4
19/03/2021	34.9	13.8	48.7	23/04/2021	21.1	29.9	51.0
17/02/2021	34.8	14.1	48.9	02/03/2021	14.0	33.8	47.8
17/03/2021	34.1	13.5	47.6	05/03/2021	14.0	32.7	46.7
28/01/2021	33.0	16.0	49.0	20/04/2021	< 0.1	46.2	46.2
27/01/2021	32.6	11.1	43.7	29/04/2021	9.6	36.0	45.6
26/12/2021	31.2	14.9	46.1	16/01/2021	18.7	25.0	43.7
06/03/2021	31.1	25.7	56.8	25/09/2021	15.7	27.9	43.6
26/11/2021	31.1	6.4	37.5	15/01/2021	10.7	31.5	42.2
28/12/2021	30.9	10.1	41.0	27/04/2021	5.2	35.4	40.6

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R9			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	34.5	12.3	46.8	04/05/2021	8.0	54.9	62.9
11/11/2021	31.6	14.5	46.1	20/04/2021	< 0.1	46.2	46.2
20/03/2021	29.3	9.9	39.2	02/03/2021	12.0	33.8	45.8
17/03/2021	29.2	13.5	42.7	06/03/2021	19.8	25.7	45.5
12/10/2021	27.9	8.9	36.8	19/01/2021	15.5	30.0	45.5
18/02/2021	26.0	13.9	39.9	05/03/2021	12.5	32.7	45.2
18/03/2021	25.5	9.1	34.6	16/04/2021	14.5	29.9	44.4
21/10/2021	25.4	16.5	41.9	09/02/2021	24.0	19.8	43.8
21/12/2021	25.3	15.9	41.2	19/03/2021	29.6	13.8	43.4
21/02/2021	23.9	9.1	33.0	28/01/2021	24.8	16.0	40.8

Highest incremental PM ₁₀ impact – Receptor R13				Highest cumulative PM ₁₀ impact – Receptor R48			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/03/2021	31.8	5.9	37.7	04/05/2021	7.8	54.9	62.7
20/02/2021	24.5	11.4	35.9	20/04/2021	< 0.1	46.2	46.2
02/11/2021	21.8	19.1	40.9	19/01/2021	14.8	30.0	44.8
02/12/2021	21.5	15.0	36.5	29/04/2021	5.9	36.0	41.9
03/11/2021	21.2	17.8	39.0	05/03/2021	9.0	32.7	41.7
17/12/2021	20.9	19.2	40.1	02/03/2021	7.6	33.8	41.4
29/01/2021	20.4	8.2	28.6	27/04/2021	3.4	35.4	38.8
17/11/2021	20.1	21.5	41.6	25/09/2021	9.0	27.9	36.9
13/01/2021	20.1	19.0	39.1	28/10/2021	0.1	36.6	36.7
05/11/2021	19.7	9.8	29.5	10/09/2021	1.1	35.5	36.6

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R8			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	31.5	13.8	45.3	04/05/2021	7.4	54.9	62.3
17/02/2021	31.1	14.1	45.2	02/03/2021	13.5	33.8	47.3
17/08/2021	30.8	19.9	50.7	23/04/2021	16.8	29.9	46.7
27/01/2021	30.1	11.1	41.2	20/04/2021	< 0.1	46.2	46.2
18/03/2021	29.8	9.1	38.9	05/03/2021	13.2	32.7	45.9
06/03/2021	29.6	25.7	55.3	29/04/2021	8.0	36.0	44.0
28/01/2021	29.4	16.0	45.4	25/09/2021	14.2	27.9	42.1
08/02/2021	29.1	18.8	47.9	27/04/2021	5.4	35.4	40.8
16/12/2021	28.9	20.0	48.9	15/01/2021	8.3	31.5	39.8
08/01/2021	28.9	13.7	42.6	16/01/2021	14.4	25.0	39.4

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R41				Highest cumulative PM _{2.5} impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
14/05/2021	45.7	3.8	49.5	04/05/2021	15.7	40.3	56.0
18/07/2021	44.1	1.6	45.7	23/04/2021	20.4	19.5	39.9
05/10/2021	43.9	3.8	47.7	19/01/2021	23.8	13.8	37.6
05/08/2021	41.9	4.7	46.6	29/04/2021	15.6	21.8	37.4
27/05/2021	37.9	2.4	40.3	27/01/2021	29.5	7.0	36.5
16/05/2021	37.6	3.1	40.7	02/03/2021	27.2	8.0	35.2
02/10/2021	37.3	2.9	40.2	08/02/2021	28.1	6.6	34.7
25/08/2021	37.3	2.9	40.2	05/03/2021	26.9	6.9	33.8
06/08/2021	37.1	6.2	43.3	25/09/2021	27.5	6.2	33.7
04/08/2021	37.1	1.8	38.9	06/03/2021	26.8	6.9	33.7

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	40.7	4.9	45.6	04/05/2021	15.7	40.3	56.0
22/03/2021	39.1	2.4	41.5	23/04/2021	22.5	19.5	42.0
19/02/2021	36.4	2.9	39.3	19/01/2021	24.8	13.8	38.6
29/01/2021	30.7	4.3	35.0	27/01/2021	30.7	7.0	37.7
10/03/2021	28.0	4.9	32.9	29/04/2021	15.8	21.8	37.6
02/11/2021	25.8	3.5	29.3	16/12/2021	29.3	6.6	35.9
20/02/2021	25.0	2.0	27.0	17/08/2021	31.4	4.5	35.9
10/02/2021	24.8	6.4	31.2	08/02/2021	29.1	6.6	35.7
09/11/2021	23.8	4.4	28.2	28/01/2021	27.3	8.3	35.6
24/12/2021	22.9	5.9	28.8	02/03/2021	27.6	8.0	35.6

Highest incremental PM _{2.5} impact – Receptor R42				Highest cumulative PM _{2.5} impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
14/05/2021	38.2	3.8	42.0	04/05/2021	15.4	40.3	55.7
18/07/2021	35.9	1.6	37.5	23/04/2021	22.3	19.5	41.8
05/08/2021	35.7	4.7	40.4	28/01/2021	29.4	8.3	37.7
27/05/2021	31.8	2.4	34.2	19/01/2021	23.8	13.8	37.6
25/08/2021	29.1	2.9	32.0	29/04/2021	15.7	21.8	37.5
06/08/2021	27.4	6.2	33.6	27/01/2021	30.1	7.0	37.1
05/07/2021	27.2	6.2	33.4	09/02/2021	28.3	8.3	36.6
11/04/2021	25.2	3.8	29.0	02/03/2021	28.5	8.0	36.5
16/05/2021	24.3	3.1	27.4	06/03/2021	29.6	6.9	36.5
04/06/2021	23.8	5.7	29.5	17/02/2021	31.1	4.8	35.8

Highest incremental PM _{2.5} impact – Receptor R6				Highest cumulative PM _{2.5} impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/08/2021	37.0	4.7	41.7	04/05/2021	14.3	40.3	54.6
14/05/2021	36.0	3.8	39.8	23/04/2021	17.9	19.5	37.4
27/05/2021	35.6	2.4	38.0	29/04/2021	12.8	21.8	34.6
25/08/2021	32.9	2.9	35.8	19/01/2021	19.7	13.8	33.5
18/07/2021	32.5	1.6	34.1	05/05/2021	24.9	7.8	32.7
05/07/2021	32.1	6.2	38.3	14/02/2021	23.3	7.5	30.8
06/08/2021	29.6	6.2	35.8	28/05/2021	24.8	4.9	29.7
04/06/2021	29.4	5.7	35.1	27/11/2021	23.6	6.0	29.6
23/04/2021	28.4	19.5	47.9	10/07/2021	25.0	4.1	29.1
28/05/2021	27.8	4.9	32.7	29/05/2021	25.2	3.4	28.6

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
17/03/2021	35.7	3.3	39.0	04/05/2021	13.8	40.3	54.1
18/03/2021	35.4	2.5	37.9	23/04/2021	28.4	19.5	47.9
19/03/2021	33.7	2.9	36.6	05/08/2021	37.0	4.7	41.7
11/11/2021	33.4	3.6	37.0	14/05/2021	36.0	3.8	39.8
28/01/2021	29.0	8.3	37.3	05/07/2021	32.1	6.2	38.3
20/03/2021	28.9	1.5	30.4	27/05/2021	35.6	2.4	38.0
17/02/2021	26.9	4.8	31.7	29/04/2021	14.3	21.8	36.1
18/02/2021	26.9	3.9	30.7	06/08/2021	29.6	6.2	35.8
09/02/2021	25.6	8.3	33.9	25/08/2021	32.9	2.9	35.8
22/12/2021	25.3	4.4	29.7	16/01/2021	26.3	9.4	35.7

Highest incremental PM _{2.5} impact – Receptor R44				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	35.5	4.9	40.4	04/05/2021	12.3	40.3	52.6
19/02/2021	20.2	2.9	23.2	28/01/2021	33.0	8.3	41.3
09/11/2021	15.6	4.4	20.0	19/01/2021	26.0	13.8	39.8
28/02/2021	14.1	7.8	21.9	27/01/2021	32.6	7.0	39.6
10/02/2021	13.5	6.4	19.9	17/02/2021	34.8	4.8	39.6
10/03/2021	13.5	4.9	18.4	09/02/2021	30.6	8.3	38.9
29/01/2021	13.3	4.3	17.6	06/03/2021	31.1	6.9	38.0
06/04/2021	12.9	7.1	20.0	19/03/2021	34.9	2.9	37.8
17/01/2021	12.8	7.2	20.0	18/03/2021	35.2	2.5	37.7
24/12/2021	12.4	5.9	18.3	17/03/2021	34.1	3.3	37.4

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
18/03/2021	35.2	2.5	37.7	23/04/2021	30.6	19.5	50.1
19/03/2021	34.9	2.9	37.8	14/05/2021	45.7	3.8	49.5
17/02/2021	34.8	4.8	39.6	05/10/2021	43.9	3.8	47.7
17/03/2021	34.1	3.3	37.4	04/05/2021	7.3	40.3	47.6
28/01/2021	33.0	8.3	41.3	05/08/2021	41.9	4.7	46.6
27/01/2021	32.6	7.0	39.6	18/07/2021	44.1	1.6	45.7
26/12/2021	31.2	5.8	37.0	06/08/2021	37.1	6.2	43.3
06/03/2021	31.1	6.9	38.0	16/05/2021	37.6	3.1	40.7
26/11/2021	31.1	1.9	33.0	05/07/2021	34.2	6.2	40.4
28/12/2021	30.9	1.2	32.1	27/05/2021	37.9	2.4	40.3

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R7			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	34.5	4.9	39.4	04/05/2021	9.5	40.3	49.8
11/11/2021	31.6	3.6	35.2	23/04/2021	21.1	19.5	40.6
20/03/2021	29.3	1.5	30.8	29/04/2021	9.6	21.8	31.4
17/03/2021	29.2	3.3	32.5	28/05/2021	25.5	4.9	30.4
12/10/2021	27.9	3.5	31.4	05/07/2021	23.0	6.2	29.2
18/02/2021	26.0	3.9	29.8	27/06/2021	19.4	9.6	29.0
18/03/2021	25.5	2.5	28.0	16/01/2021	18.7	9.4	28.1
21/10/2021	25.4	4.7	30.1	29/05/2021	24.6	3.4	28.0
21/12/2021	25.3	3.7	29.0	05/05/2021	20.2	7.8	28.0
21/02/2021	23.9	1.2	25.1	04/06/2021	22.0	5.7	27.7

Highest incremental PM _{2.5} impact – Receptor R13				Highest cumulative PM _{2.5} impact – Receptor R9			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/03/2021	31.8	2.4	34.2	04/05/2021	8.0	40.3	48.2
20/02/2021	24.5	2.0	26.5	28/01/2021	24.8	8.3	33.1
02/11/2021	21.8	3.5	25.3	19/03/2021	29.6	2.9	32.5
02/12/2021	21.5	3.9	25.4	09/02/2021	24.0	8.3	32.3
03/11/2021	21.2	2.7	23.9	17/02/2021	26.4	4.8	31.2
17/12/2021	20.9	5.1	26.1	19/01/2021	15.5	13.8	29.3
29/01/2021	20.4	4.3	24.7	18/03/2021	25.3	2.5	27.8
17/11/2021	20.1	4.5	24.6	17/03/2021	24.2	3.3	27.5
13/01/2021	20.1	3.3	23.4	22/11/2021	22.4	4.4	26.8
05/11/2021	19.7	3.7	23.4	06/03/2021	19.8	6.9	26.7

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R48			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	31.5	2.9	34.4	04/05/2021	7.8	40.3	48.1
17/02/2021	31.1	4.8	35.8	19/01/2021	14.8	13.8	28.6
17/08/2021	30.8	4.5	35.3	27/01/2021	21.0	7.0	28.0
27/01/2021	30.1	7.0	37.1	29/04/2021	5.9	21.8	27.7
18/03/2021	29.8	2.5	32.3	31/01/2021	18.2	8.1	26.3
06/03/2021	29.6	6.9	36.5	27/11/2021	18.7	6.0	24.7
28/01/2021	29.4	8.3	37.7	10/10/2021	5.4	16.9	22.3
08/02/2021	29.1	6.6	35.7	04/12/2021	14.7	7.5	22.2
16/12/2021	28.9	6.6	35.5	05/05/2021	14.3	7.8	22.1
08/01/2021	28.9	2.8	31.7	27/12/2021	20.1	2.0	22.1

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	35.2	35.2
R2	31.5	31.5
R3	29.5	29.5
R4	31.4	31.4
R5	26.0	26.0
R6	37.0	37.0
R7	25.5	25.5
R8	23.8	23.8
R9	29.6	29.6
R10	35.7	35.7
R11	34.5	34.5
R12	40.7	40.7
R13	31.8	31.8
R14	27.3	27.3
R15	20.3	20.3
R16	8.0	8.0
R17	7.4	7.4
R18	7.1	7.1
R19	9.9	9.9
R20	13.8	13.8
R21	12.2	12.2
R22	8.3	8.3
R23	8.0	8.0
R24	7.5	7.5
R25	5.9	5.9
R26	4.8	4.8
R27	3.2	3.2
R28	10.0	10.0
R29	10.7	10.7
R30	10.0	10.0
R31	10.2	10.2

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	6.5	6.5
R33	5.2	5.2
R34	5.4	5.4
R35	6.7	6.7
R36	7.4	7.4
R37	7.4	7.4
R38	25.2	25.2
R39	9.4	9.4
R40	19.1	19.1
R41	45.7	45.7
R42	38.2	38.2
R43	26.8	26.8
R44	35.5	35.5
R45	30.0	30.0
R46	22.2	22.2
R47	19.7	19.7
R48	21.0	21.0
R49	20.3	20.3
R50	17.1	17.1
R51	11.9	11.9
R52	15.2	15.2
R53	12.7	12.7
R54	7.9	7.9
R55	12.6	12.6
R56	12.9	12.9
R57	8.7	8.7
R58	11.7	11.7
R59	10.9	10.9
R60	8.9	8.9
R61	11.4	11.4
R62	7.2	7.2
R63	11.1	11.1
R64	5.3	5.3
R65	12.0	12.0
R66	9.5	9.5
R67	7.7	7.7

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	4.8	4.8
R69	6.6	6.6
R70	9.0	9.0
R71	14.0	14.0
R72	15.8	15.8
R73	17.0	17.0
R74	20.1	20.1
R75	11.3	11.3
R76	12.9	12.9
R77	10.3	10.3
R78	15.0	15.0
R79	9.9	9.9
R80	3.9	3.9
R81	10.8	10.8
R82	13.1	13.1
R83	8.5	8.5
R84	6.7	6.7
R85	12.0	12.0
R86	12.4	12.4
R87	7.0	7.0
R88	6.0	6.0
R89	5.4	5.4
R90	4.5	4.5
R91	6.1	6.1
R92	5.0	5.0
R93	8.0	8.0
R94	9.2	9.2
R95	8.0	8.0
R96	14.2	14.2
R97	11.7	11.7
R98	13.4	13.4
R99	10.1	10.1
R100	7.3	7.3
R101	11.6	11.6
R102	9.1	9.1
R103	7.3	7.3

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R104	4.8	4.8
R105	3.9	3.9
R106	4.5	4.5
R107	5.6	5.6
R108	7.9	7.9
R109	9.5	9.5
R110	7.8	7.8
R111	3.6	3.6
R112	9.3	9.3
R113	8.4	8.4
R114	2.9	2.9
R115	4.7	4.7
R116	2.7	2.7
R117	3.9	3.9
R118	6.2	6.2
R119	4.7	4.7
R120	7.4	7.4
R121	8.0	8.0
R122	14.6	14.6
R123	13.3	13.3
R124	8.3	8.3
R125	14.1	14.1
R126	6.6	6.6
R127	16.2	16.2
R128	18.0	18.0

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	3.0	0.2	3.1	2.3	0.1	2.4	0.5	< 0.1	0.5
R2	3.3	0.2	3.4	2.5	0.1	2.6	0.5	0.3	0.8
R3	2.9	0.2	3.0	2.2	0.1	2.3	0.5	0.3	0.8
R4	3.3	0.2	3.5	2.5	0.1	2.6	0.5	0.3	0.8
R5	2.2	0.5	2.7	1.7	0.4	2.0	0.4	0.4	0.9
R6	3.3	0.2	3.5	2.5	0.1	2.6	0.5	0.3	0.8
R7	1.7	0.2	1.8	1.3	0.1	1.4	0.4	< 0.1	0.4
R8	1.5	0.2	1.7	1.1	0.1	1.3	0.3	< 0.1	0.4
R9	1.5	0.2	1.7	1.2	0.1	1.3	0.4	< 0.1	0.4
R10	2.0	0.2	2.2	1.5	0.1	1.7	0.6	0.1	0.7
R11	1.6	0.2	1.8	1.2	0.1	1.3	0.7	< 0.1	0.7
R12	2.9	0.5	3.4	2.2	0.4	2.6	0.8	< 0.1	0.8
R13	3.0	0.5	3.5	2.3	0.4	2.7	0.5	< 0.1	0.6
R14	3.5	0.5	4.0	2.7	0.4	3.1	0.8	0.2	1.0
R15	1.9	0.3	2.2	1.4	0.2	1.7	0.4	0.1	0.6
R16	0.5	0.2	0.7	0.4	0.1	0.5	0.2	< 0.1	0.2
R17	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R18	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R19	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R20	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R21	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R22	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	0.2	0.4
R23	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R24	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R25	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R26	0.3	< 0.1	0.3	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R27	0.2	< 0.1	0.2	0.2	< 0.1	0.2	< 0.1	< 0.1	0.1
R28	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	0.2	0.4
R29	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.3	0.1	0.4
R30	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	0.1	0.4

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R32	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R33	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R34	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R35	0.4	0.2	0.6	0.3	0.1	0.4	0.2	< 0.1	0.2
R36	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R37	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R38	1.4	< 0.1	1.4	1.0	< 0.1	1.0	0.5	< 0.1	0.5
R39	0.9	0.2	1.0	0.7	0.1	0.8	0.3	< 0.1	0.3
R40	1.9	0.2	2.1	1.4	0.1	1.6	0.4	0.2	0.6
R41	4.0	0.2	4.2	3.0	0.1	3.2	0.6	< 0.1	0.7
R42	1.8	0.2	1.9	1.3	0.1	1.5	0.5	< 0.1	0.5
R43	0.9	0.2	1.1	0.7	0.1	0.8	0.4	0.1	0.5
R44	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.5	< 0.1	0.5
R45	1.1	< 0.1	1.1	0.9	< 0.1	0.9	0.5	< 0.1	0.5
R46	0.7	0.2	0.8	0.5	0.1	0.6	0.3	< 0.1	0.3
R47	1.0	0.7	1.7	0.8	0.5	1.3	0.3	< 0.1	0.3
R48	1.2	0.5	1.7	0.9	0.4	1.3	0.3	< 0.1	0.3
R49	1.3	0.2	1.5	1.0	0.1	1.1	0.3	< 0.1	0.3
R50	0.9	0.2	1.0	0.7	0.1	0.8	0.2	< 0.1	0.2
R51	0.7	0.2	0.9	0.5	0.1	0.6	0.2	< 0.1	0.2
R52	0.8	0.2	0.9	0.6	0.1	0.7	0.3	< 0.1	0.3
R53	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R54	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R55	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.2	< 0.1	0.3
R56	0.6	0.2	0.7	0.4	0.1	0.6	0.3	0.1	0.4
R57	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R58	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R59	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R60	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R61	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R62	0.8	0.5	1.3	0.6	0.4	0.9	0.2	< 0.1	0.2
R63	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R64	0.6	0.8	1.4	0.5	0.6	1.1	0.2	< 0.1	0.2
R65	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.3	< 0.1	0.3

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R67	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R68	0.5	0.3	0.8	0.4	0.2	0.6	0.1	< 0.1	0.1
R69	0.4	0.2	0.6	0.3	0.1	0.4	0.1	< 0.1	0.1
R70	0.5	0.3	0.8	0.4	0.2	0.6	0.1	< 0.1	0.1
R71	1.0	0.3	1.4	0.8	0.2	1.0	0.3	0.2	0.5
R72	1.2	0.3	1.5	0.9	0.2	1.2	0.3	0.2	0.5
R73	1.3	0.3	1.7	1.0	0.2	1.3	0.3	0.2	0.5
R74	0.9	0.7	1.6	0.7	0.5	1.2	0.4	< 0.1	0.4
R75	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R76	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R77	0.9	0.5	1.4	0.7	0.4	1.1	0.2	< 0.1	0.2
R78	0.8	0.2	1.0	0.6	0.1	0.8	0.2	< 0.1	0.3
R79	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R80	0.4	0.8	1.2	0.3	0.6	0.9	0.1	< 0.1	0.1
R81	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.2	< 0.1	0.2
R82	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.4	< 0.1	0.4
R83	0.8	0.2	0.9	0.6	0.1	0.7	0.2	0.2	0.4
R84	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R85	0.9	0.2	1.0	0.7	0.1	0.8	0.2	< 0.1	0.2
R86	0.9	0.2	1.1	0.7	0.1	0.8	0.2	< 0.1	0.3
R87	0.7	0.5	1.2	0.5	0.4	0.9	0.2	< 0.1	0.2
R88	0.6	0.8	1.4	0.5	0.6	1.1	0.2	< 0.1	0.2
R89	0.6	0.8	1.4	0.4	0.6	1.0	0.2	< 0.1	0.2
R90	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.1	< 0.1	0.1
R91	0.6	0.5	1.1	0.4	0.4	0.8	0.2	< 0.1	0.2
R92	0.5	0.8	1.3	0.4	0.6	1.0	0.2	< 0.1	0.2
R93	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R94	0.6	0.2	0.8	0.5	0.1	0.6	0.2	< 0.1	0.2
R95	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R96	0.6	0.3	0.9	0.4	0.2	0.7	0.2	< 0.1	0.2
R97	0.6	0.2	0.8	0.5	0.1	0.6	0.2	< 0.1	0.2
R98	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R99	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R100	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	0.4	0.3	0.8	0.3	0.2	0.6	0.2	< 0.1	0.2
R102	0.4	0.2	0.6	0.3	0.1	0.5	0.2	< 0.1	0.2
R103	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R104	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R105	0.3	0.3	0.6	0.2	0.2	0.5	0.1	< 0.1	0.1
R106	0.3	< 0.1	0.3	0.3	< 0.1	0.3	0.1	< 0.1	0.1
R107	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R108	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R109	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R110	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R111	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R112	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R113	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R114	0.3	< 0.1	0.3	0.2	< 0.1	0.2	< 0.1	< 0.1	0.1
R115	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.1	< 0.1	0.1
R116	0.2	< 0.1	0.2	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.1
R117	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R118	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R119	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.3	< 0.1	0.3
R120	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R121	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.2
R122	0.5	0.3	0.8	0.3	0.2	0.6	0.3	0.1	0.4
R123	0.4	0.3	0.7	0.3	0.2	0.6	0.3	< 0.1	0.3
R124	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.3
R125	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.2	< 0.1	0.3
R126	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.2	< 0.1	0.2
R127	0.6	0.2	0.8	0.5	0.1	0.6	0.3	< 0.1	0.3
R128	0.8	0.2	1.0	0.6	0.1	0.7	0.3	< 0.1	0.3

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	2.8	< 0.1	2.8	0.5	0.6	1.1
R2	3.1	< 0.1	3.1	0.4	0.2	0.7
R3	2.7	< 0.1	2.7	0.4	0.2	0.6
R4	3.2	< 0.1	3.2	0.4	0.8	1.3
R5	2.1	2.9	4.9	0.3	0.1	0.5
R6	3.1	< 0.1	3.1	0.5	< 0.1	0.5
R7	1.6	< 0.1	1.6	0.3	1.3	1.6
R8	1.4	< 0.1	1.4	0.3	0.7	1.0
R9	1.5	< 0.1	1.5	0.4	0.2	0.6
R10	1.9	< 0.1	1.9	0.5	0.6	1.1
R11	1.5	< 0.1	1.5	0.5	< 0.1	0.5
R12	2.7	2.9	5.6	0.6	0.4	0.9
R13	2.9	2.9	5.7	0.4	0.4	0.8
R14	3.4	2.9	6.2	0.4	4.6	5.0
R15	1.8	< 0.1	1.8	0.3	8.2	8.5
R16	0.5	< 0.1	0.5	0.1	0.1	0.2
R17	0.5	< 0.1	0.5	< 0.1	1.1	1.2
R18	0.5	< 0.1	0.5	< 0.1	1.1	1.2
R19	0.5	< 0.1	0.5	0.1	0.2	0.4
R20	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R21	0.5	< 0.1	0.5	0.2	0.1	0.3
R22	0.4	< 0.1	0.4	0.1	0.8	1.0
R23	0.4	< 0.1	0.4	0.1	0.2	0.4
R24	0.3	< 0.1	0.3	0.1	0.2	0.4
R25	0.4	< 0.1	0.4	< 0.1	0.2	0.3
R26	0.3	< 0.1	0.3	< 0.1	2.5	2.6
R27	0.2	< 0.1	0.2	< 0.1	1.8	1.8
R28	0.4	2.9	3.3	0.1	0.8	1.0
R29	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R30	0.4	< 0.1	0.4	0.1	< 0.1	0.1

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	0.5	< 0.1	0.5	0.1	0.2	0.4
R32	0.4	< 0.1	0.4	< 0.1	< 0.1	< 0.1
R33	0.3	< 0.1	0.3	< 0.1	0.2	0.3
R34	0.4	< 0.1	0.4	< 0.1	0.2	0.3
R35	0.4	2.9	3.2	0.1	0.2	0.3
R36	0.5	< 0.1	0.5	< 0.1	1.1	1.2
R37	0.5	< 0.1	0.5	< 0.1	1.1	1.2
R38	1.3	< 0.1	1.3	0.3	0.2	0.6
R39	0.8	< 0.1	0.8	0.1	1.0	1.1
R40	1.8	< 0.1	1.8	0.3	9.8	10.0
R41	3.8	< 0.1	3.8	0.6	0.5	1.1
R42	1.7	< 0.1	1.7	0.5	0.5	1.0
R43	0.9	< 0.1	0.9	0.4	1.5	1.9
R44	1.1	< 0.1	1.1	0.5	< 0.1	0.5
R45	1.1	< 0.1	1.1	0.4	< 0.1	0.4
R46	0.6	< 0.1	0.6	0.3	0.2	0.6
R47	1.0	2.9	3.8	0.3	< 0.1	0.3
R48	1.2	2.9	4.0	0.3	0.2	0.5
R49	1.2	< 0.1	1.2	0.3	0.7	1.0
R50	0.8	2.9	3.7	0.2	0.1	0.4
R51	0.7	2.9	3.5	0.2	0.2	0.4
R52	0.7	< 0.1	0.7	0.2	0.7	0.9
R53	0.6	< 0.1	0.6	0.2	0.2	0.4
R54	0.5	< 0.1	0.5	0.1	< 0.1	0.1
R55	0.5	< 0.1	0.5	0.2	0.2	0.4
R56	0.6	2.9	3.4	0.2	0.8	1.0
R57	0.5	< 0.1	0.5	0.1	0.5	0.6
R58	0.5	< 0.1	0.5	0.2	0.2	0.4
R59	0.7	< 0.1	0.7	0.1	< 0.1	0.1
R60	0.6	< 0.1	0.6	0.1	< 0.1	0.1
R61	0.6	1.4	2.0	0.2	0.4	0.5
R62	0.7	2.9	3.6	< 0.1	0.2	0.3
R63	0.6	< 0.1	0.6	0.2	0.6	0.7
R64	0.6	2.9	3.5	< 0.1	1.3	1.4
R65	0.6	< 0.1	0.6	0.2	< 0.1	0.2

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	0.7	< 0.1	0.7	0.1	0.1	0.2
R67	0.5	< 0.1	0.5	0.1	0.4	0.5
R68	0.4	1.4	1.9	< 0.1	1.8	1.8
R69	0.4	< 0.1	0.4	< 0.1	0.6	0.7
R70	0.5	< 0.1	0.5	0.1	0.6	0.7
R71	1.0	< 0.1	1.0	0.2	8.2	8.4
R72	1.1	< 0.1	1.1	0.2	8.2	8.4
R73	1.3	< 0.1	1.3	0.2	8.2	8.4
R74	0.9	2.9	3.8	0.3	< 0.1	0.3
R75	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R76	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R77	0.9	2.9	3.7	0.2	0.4	0.5
R78	0.8	< 0.1	0.8	0.2	0.4	0.6
R79	0.6	1.4	2.0	0.2	0.4	0.5
R80	0.4	2.9	3.2	< 0.1	1.3	1.4
R81	0.7	< 0.1	0.7	0.2	< 0.1	0.2
R82	0.7	< 0.1	0.7	0.2	< 0.1	0.2
R83	0.7	2.9	3.6	0.1	< 0.1	0.1
R84	0.6	< 0.1	0.6	< 0.1	0.6	0.7
R85	0.8	< 0.1	0.8	0.2	0.4	0.5
R86	0.9	< 0.1	0.9	0.2	0.4	0.6
R87	0.6	2.9	3.5	0.1	0.4	0.5
R88	0.6	2.9	3.4	< 0.1	2.3	2.3
R89	0.5	2.9	3.4	< 0.1	2.3	2.3
R90	0.4	< 0.1	0.4	< 0.1	1.3	1.4
R91	0.5	2.9	3.4	< 0.1	0.4	0.5
R92	0.5	2.9	3.3	< 0.1	2.3	2.3
R93	0.6	1.4	2.0	0.1	0.4	0.5
R94	0.6	< 0.1	0.6	0.2	0.4	0.5
R95	0.5	< 0.1	0.5	0.1	0.4	0.5
R96	0.5	2.9	3.4	0.2	< 0.1	0.2
R97	0.6	< 0.1	0.6	0.2	0.7	0.9
R98	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R99	0.6	2.9	3.5	0.2	< 0.1	0.2
R100	0.5	1.4	1.9	0.1	< 0.1	0.1

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	0.4	2.9	3.3	0.2	< 0.1	0.2
R102	0.4	2.9	3.3	0.1	0.2	0.4
R103	0.4	< 0.1	0.4	0.1	0.2	0.4
R104	0.3	< 0.1	0.3	< 0.1	2.5	2.6
R105	0.3	2.9	3.1	< 0.1	0.7	0.8
R106	0.3	< 0.1	0.3	< 0.1	1.8	1.8
R107	0.4	< 0.1	0.4	< 0.1	1.0	1.0
R108	0.6	< 0.1	0.6	0.1	0.2	0.3
R109	0.5	< 0.1	0.5	0.1	< 0.1	0.1
R110	0.4	< 0.1	0.4	0.1	0.4	0.5
R111	0.4	< 0.1	0.4	< 0.1	< 0.1	< 0.1
R112	0.5	< 0.1	0.5	0.1	1.1	1.2
R113	0.5	< 0.1	0.5	0.1	< 0.1	0.1
R114	0.3	< 0.1	0.3	< 0.1	1.4	1.5
R115	0.3	< 0.1	0.3	< 0.1	0.6	0.7
R116	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.1
R117	0.3	2.9	3.2	< 0.1	0.6	0.6
R118	0.4	< 0.1	0.4	< 0.1	0.1	0.2
R119	0.4	< 0.1	0.4	< 0.1	< 0.1	< 0.1
R120	0.5	< 0.1	0.5	< 0.1	1.1	1.2
R121	0.4	2.9	3.3	0.1	0.8	0.9
R122	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R123	0.4	< 0.1	0.4	0.2	0.5	0.7
R124	0.3	< 0.1	0.3	0.1	0.5	0.6
R125	0.4	< 0.1	0.4	0.2	1.5	1.7
R126	0.3	< 0.1	0.3	< 0.1	< 0.1	< 0.1
R127	0.6	2.9	3.4	0.2	0.1	0.3
R128	0.7	< 0.1	0.7	0.2	< 0.1	0.2

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	1.02E-08	6.91E-04	2.49E-04	1.74E-04	7.02E-05
R2	1.26E-08	8.52E-04	3.07E-04	2.14E-04	8.66E-05
R3	1.26E-08	8.49E-04	3.06E-04	2.13E-04	8.62E-05
R4	1.30E-08	8.81E-04	3.17E-04	2.21E-04	8.95E-05
R5	1.17E-08	7.90E-04	2.84E-04	1.98E-04	8.02E-05
R6	1.13E-08	7.67E-04	2.76E-04	1.93E-04	7.79E-05
R7	1.04E-08	7.06E-04	2.54E-04	1.77E-04	7.17E-05
R8	9.99E-09	6.75E-04	2.43E-04	1.70E-04	6.86E-05
R9	7.24E-09	4.90E-04	1.76E-04	1.23E-04	4.97E-05
R10	9.32E-09	6.31E-04	2.27E-04	1.58E-04	6.40E-05
R11	1.04E-08	7.02E-04	2.53E-04	1.76E-04	7.13E-05
R12	1.07E-08	7.26E-04	2.61E-04	1.82E-04	7.37E-05
R13	8.89E-09	6.01E-04	2.16E-04	1.51E-04	6.11E-05
R14	9.85E-09	6.66E-04	2.40E-04	1.67E-04	6.77E-05
R15	8.99E-09	6.08E-04	2.19E-04	1.53E-04	6.17E-05
R16	4.29E-09	2.90E-04	1.04E-04	7.28E-05	2.95E-05
R17	3.16E-09	2.14E-04	7.69E-05	5.37E-05	2.17E-05
R18	3.23E-09	2.19E-04	7.87E-05	5.49E-05	2.22E-05
R19	3.66E-09	2.47E-04	8.91E-05	6.21E-05	2.51E-05
R20	3.48E-09	2.35E-04	8.46E-05	5.90E-05	2.39E-05
R21	3.32E-09	2.25E-04	8.09E-05	5.64E-05	2.28E-05
R22	3.21E-09	2.17E-04	7.82E-05	5.46E-05	2.21E-05
R23	3.21E-09	2.17E-04	7.81E-05	5.45E-05	2.20E-05
R24	3.10E-09	2.10E-04	7.54E-05	5.26E-05	2.13E-05
R25	2.87E-09	1.94E-04	6.99E-05	4.88E-05	1.97E-05
R26	2.55E-09	1.73E-04	6.21E-05	4.33E-05	1.75E-05
R27	1.89E-09	1.28E-04	4.60E-05	3.21E-05	1.30E-05
R28	3.52E-09	2.38E-04	8.57E-05	5.98E-05	2.42E-05
R29	3.46E-09	2.34E-04	8.43E-05	5.88E-05	2.38E-05
R30	3.23E-09	2.18E-04	7.86E-05	5.48E-05	2.22E-05
R31	4.21E-09	2.85E-04	1.02E-04	7.15E-05	2.89E-05
R32	2.99E-09	2.02E-04	7.27E-05	5.07E-05	2.05E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	2.61E-09	1.77E-04	6.36E-05	4.43E-05	1.79E-05
R34	2.63E-09	1.78E-04	6.41E-05	4.47E-05	1.81E-05
R35	2.95E-09	2.00E-04	7.19E-05	5.01E-05	2.03E-05
R36	3.05E-09	2.06E-04	7.43E-05	5.18E-05	2.10E-05
R37	3.16E-09	2.14E-04	7.69E-05	5.36E-05	2.17E-05
R38	9.39E-09	6.35E-04	2.29E-04	1.59E-04	6.45E-05
R39	5.17E-09	3.49E-04	1.26E-04	8.77E-05	3.55E-05
R40	1.07E-08	7.25E-04	2.61E-04	1.82E-04	7.36E-05
R41	1.04E-08	7.01E-04	2.52E-04	1.76E-04	7.12E-05
R42	7.77E-09	5.25E-04	1.89E-04	1.32E-04	5.34E-05
R43	6.54E-09	4.42E-04	1.59E-04	1.11E-04	4.49E-05
R44	9.12E-09	6.17E-04	2.22E-04	1.55E-04	6.27E-05
R45	7.82E-09	5.29E-04	1.90E-04	1.33E-04	5.37E-05
R46	5.94E-09	4.02E-04	1.45E-04	1.01E-04	4.08E-05
R47	6.13E-09	4.15E-04	1.49E-04	1.04E-04	4.21E-05
R48	6.59E-09	4.45E-04	1.60E-04	1.12E-04	4.52E-05
R49	6.66E-09	4.50E-04	1.62E-04	1.13E-04	4.57E-05
R50	6.06E-09	4.10E-04	1.47E-04	1.03E-04	4.16E-05
R51	4.31E-09	2.91E-04	1.05E-04	7.32E-05	2.96E-05
R52	4.03E-09	2.72E-04	9.81E-05	6.84E-05	2.77E-05
R53	4.02E-09	2.72E-04	9.79E-05	6.82E-05	2.76E-05
R54	3.22E-09	2.18E-04	7.84E-05	5.47E-05	2.21E-05
R55	3.95E-09	2.67E-04	9.61E-05	6.70E-05	2.71E-05
R56	3.89E-09	2.63E-04	9.46E-05	6.60E-05	2.67E-05
R57	3.77E-09	2.55E-04	9.19E-05	6.41E-05	2.59E-05
R58	4.19E-09	2.83E-04	1.02E-04	7.11E-05	2.88E-05
R59	4.62E-09	3.12E-04	1.12E-04	7.84E-05	3.17E-05
R60	4.61E-09	3.12E-04	1.12E-04	7.83E-05	3.17E-05
R61	4.72E-09	3.19E-04	1.15E-04	8.02E-05	3.24E-05
R62	4.36E-09	2.95E-04	1.06E-04	7.40E-05	2.99E-05
R63	4.43E-09	3.00E-04	1.08E-04	7.53E-05	3.05E-05
R64	3.85E-09	2.60E-04	9.37E-05	6.54E-05	2.64E-05
R65	4.98E-09	3.37E-04	1.21E-04	8.46E-05	3.42E-05
R66	4.91E-09	3.32E-04	1.20E-04	8.34E-05	3.37E-05
R67	4.23E-09	2.86E-04	1.03E-04	7.18E-05	2.90E-05
R68	3.06E-09	2.07E-04	7.45E-05	5.20E-05	2.10E-05
R69	2.80E-09	1.90E-04	6.82E-05	4.76E-05	1.93E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	3.98E-09	2.69E-04	9.70E-05	6.76E-05	2.74E-05
R71	5.25E-09	3.55E-04	1.28E-04	8.91E-05	3.61E-05
R72	5.80E-09	3.92E-04	1.41E-04	9.84E-05	3.98E-05
R73	6.69E-09	4.52E-04	1.63E-04	1.14E-04	4.59E-05
R74	6.15E-09	4.16E-04	1.50E-04	1.04E-04	4.23E-05
R75	4.41E-09	2.98E-04	1.07E-04	7.49E-05	3.03E-05
R76	3.96E-09	2.68E-04	9.64E-05	6.72E-05	2.72E-05
R77	4.56E-09	3.08E-04	1.11E-04	7.74E-05	3.13E-05
R78	4.99E-09	3.37E-04	1.21E-04	8.47E-05	3.43E-05
R79	4.42E-09	2.99E-04	1.08E-04	7.50E-05	3.03E-05
R80	2.82E-09	1.91E-04	6.86E-05	4.78E-05	1.94E-05
R81	4.40E-09	2.98E-04	1.07E-04	7.47E-05	3.02E-05
R82	4.84E-09	3.27E-04	1.18E-04	8.21E-05	3.32E-05
R83	4.71E-09	3.19E-04	1.15E-04	8.00E-05	3.24E-05
R84	5.20E-09	3.52E-04	1.27E-04	8.83E-05	3.57E-05
R85	3.93E-09	2.66E-04	9.57E-05	6.67E-05	2.70E-05
R86	4.28E-09	2.89E-04	1.04E-04	7.26E-05	2.94E-05
R87	4.16E-09	2.81E-04	1.01E-04	7.07E-05	2.86E-05
R88	4.02E-09	2.72E-04	9.79E-05	6.83E-05	2.76E-05
R89	3.74E-09	2.53E-04	9.10E-05	6.34E-05	2.57E-05
R90	3.29E-09	2.22E-04	8.01E-05	5.59E-05	2.26E-05
R91	3.85E-09	2.60E-04	9.37E-05	6.53E-05	2.64E-05
R92	3.50E-09	2.37E-04	8.52E-05	5.94E-05	2.41E-05
R93	4.11E-09	2.78E-04	1.00E-04	6.98E-05	2.82E-05
R94	4.06E-09	2.75E-04	9.89E-05	6.90E-05	2.79E-05
R95	3.79E-09	2.56E-04	9.23E-05	6.43E-05	2.60E-05
R96	3.29E-09	2.22E-04	8.00E-05	5.58E-05	2.26E-05
R97	3.60E-09	2.44E-04	8.77E-05	6.12E-05	2.48E-05
R98	3.04E-09	2.06E-04	7.40E-05	5.16E-05	2.09E-05
R99	3.47E-09	2.35E-04	8.46E-05	5.90E-05	2.39E-05
R100	3.32E-09	2.25E-04	8.09E-05	5.64E-05	2.28E-05
R101	2.75E-09	1.86E-04	6.69E-05	4.66E-05	1.89E-05
R102	3.38E-09	2.28E-04	8.22E-05	5.73E-05	2.32E-05
R103	2.88E-09	1.95E-04	7.01E-05	4.89E-05	1.98E-05
R104	2.56E-09	1.73E-04	6.23E-05	4.35E-05	1.76E-05
R105	1.92E-09	1.30E-04	4.68E-05	3.27E-05	1.32E-05
R106	2.61E-09	1.76E-04	6.35E-05	4.43E-05	1.79E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	3.08E-09	2.08E-04	7.50E-05	5.23E-05	2.12E-05
R108	4.19E-09	2.83E-04	1.02E-04	7.11E-05	2.88E-05
R109	4.15E-09	2.81E-04	1.01E-04	7.05E-05	2.85E-05
R110	3.44E-09	2.33E-04	8.38E-05	5.85E-05	2.37E-05
R111	3.32E-09	2.24E-04	8.07E-05	5.63E-05	2.28E-05
R112	3.81E-09	2.58E-04	9.28E-05	6.47E-05	2.62E-05
R113	3.82E-09	2.58E-04	9.31E-05	6.49E-05	2.63E-05
R114	2.52E-09	1.70E-04	6.13E-05	4.28E-05	1.73E-05
R115	2.54E-09	1.72E-04	6.19E-05	4.32E-05	1.75E-05
R116	1.68E-09	1.13E-04	4.08E-05	2.85E-05	1.15E-05
R117	2.14E-09	1.45E-04	5.21E-05	3.64E-05	1.47E-05
R118	3.24E-09	2.19E-04	7.89E-05	5.50E-05	2.23E-05
R119	3.71E-09	2.51E-04	9.03E-05	6.29E-05	2.55E-05
R120	3.32E-09	2.24E-04	8.07E-05	5.63E-05	2.28E-05
R121	2.97E-09	2.01E-04	7.22E-05	5.04E-05	2.04E-05
R122	3.62E-09	2.45E-04	8.82E-05	6.15E-05	2.49E-05
R123	3.86E-09	2.61E-04	9.40E-05	6.55E-05	2.65E-05
R124	2.97E-09	2.01E-04	7.22E-05	5.04E-05	2.04E-05
R125	3.37E-09	2.28E-04	8.20E-05	5.72E-05	2.32E-05
R126	2.29E-09	1.55E-04	5.56E-05	3.88E-05	1.57E-05
R127	4.47E-09	3.02E-04	1.09E-04	7.59E-05	3.07E-05
R128	4.71E-09	3.19E-04	1.15E-04	8.00E-05	3.24E-05
Max. at boundary	1.59E-08	1.07E-03	–	–	1.09E-04

Nitrogen dioxide (NO₂)

Maximum 1-hour concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.
Criterion			164
R1	2 219.4	10.2	2 229.7
R2	2 236.1	12.3	2 248.4
R3	2 000.7	12.3	2 013.0
R4	2 258.7	12.3	2 271.0
R5	1 644.6	8.2	1 652.8
R6	2 423.2	12.3	2 435.5
R7	1 383.8	12.3	1 396.1
R8	1 332.3	12.3	1 344.6
R9	1 297.3	10.2	1 307.5
R10	1 628.0	10.2	1 638.2
R11	1 260.0	10.2	1 270.3
R12	1 870.2	8.2	1 878.4
R13	1 975.5	8.2	1 983.7
R14	2 177.9	4.1	2 182.0
R15	1 240.2	10.2	1 250.4
R16	988.4	2.0	990.5
R17	1 174.1	2.0	1 176.1
R18	1 133.0	2.0	1 135.0
R19	794.9	< 0.1	794.9
R20	863.3	2.0	865.3
R21	859.7	2.0	861.8
R22	726.9	8.2	735.1
R23	786.9	2.0	788.9
R24	755.2	2.0	757.3
R25	708.0	10.2	718.3
R26	687.4	10.2	697.7
R27	468.3	10.2	478.5
R28	794.3	10.2	804.5
R29	780.2	8.2	788.4
R30	737.2	2.0	739.2

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R31	752.1	8.2	760.3
R32	746.5	10.2	756.7
R33	675.8	10.2	686.1
R34	686.6	10.2	696.9
R35	686.2	2.0	688.3
R36	1 085.2	2.0	1 087.3
R37	1 105.5	2.0	1 107.6
R38	1 377.9	2.0	1 379.9
R39	670.6	34.9	705.4
R40	1 234.4	34.9	1 269.3
R41	3 156.3	12.3	3 168.6
R42	1 643.8	6.1	1 650.0
R43	997.9	12.3	1 010.2
R44	1 132.8	12.3	1 145.1
R45	1 139.4	12.3	1 151.7
R46	692.4	10.2	702.6
R47	929.3	8.2	937.5
R48	1 085.4	8.2	1 093.6
R49	1 317.0	12.3	1 329.3
R50	953.6	10.2	963.9
R51	814.5	8.2	822.7
R52	1 022.3	12.3	1 034.6
R53	824.6	< 0.1	824.6
R54	766.7	10.2	776.9
R55	788.1	2.0	790.1
R56	900.2	10.2	910.4
R57	683.0	10.2	693.3
R58	739.6	6.1	745.7
R59	1 046.5	6.1	1 052.6
R60	830.2	6.1	836.4
R61	799.3	12.3	811.6
R62	917.9	4.1	922.0
R63	650.6	6.1	656.8
R64	710.2	8.2	718.4
R65	922.0	2.0	924.0

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R66	1 046.5	< 0.1	1 046.5
R67	714.4	6.1	720.5
R68	596.5	4.1	600.6
R69	495.7	4.1	499.8
R70	526.9	4.1	531.0
R71	917.8	10.2	928.0
R72	1 145.3	10.2	1 155.5
R73	1 241.0	10.2	1 251.3
R74	934.4	12.3	946.7
R75	776.9	< 0.1	776.9
R76	819.5	< 0.1	819.5
R77	1 066.8	4.1	1 070.9
R78	1 036.6	4.1	1 040.7
R79	815.1	12.3	827.4
R80	596.2	10.2	606.5
R81	1 039.4	6.1	1 045.6
R82	965.4	16.4	981.8
R83	1 225.2	22.6	1 247.7
R84	943.8	4.1	947.9
R85	1 156.6	4.1	1 160.7
R86	1 162.6	4.1	1 166.7
R87	950.0	10.2	960.2
R88	715.4	12.3	727.7
R89	693.6	14.3	708.0
R90	730.9	8.2	739.1
R91	913.8	10.2	924.0
R92	717.3	8.2	725.5
R93	839.7	12.3	852.0
R94	928.3	4.1	932.4
R95	799.5	12.3	811.8
R96	823.9	8.2	832.1
R97	979.8	12.3	992.1
R98	723.3	2.0	725.4
R99	961.6	2.0	963.6
R100	753.7	6.1	759.9

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R101	725.6	8.2	733.8
R102	781.6	2.0	783.7
R103	719.1	< 0.1	719.1
R104	695.5	10.2	705.7
R105	415.9	4.1	420.0
R106	584.5	10.2	594.8
R107	663.3	6.1	669.5
R108	986.6	< 0.1	986.6
R109	960.2	2.0	962.3
R110	886.2	< 0.1	886.2
R111	721.3	4.1	725.4
R112	994.1	2.0	996.2
R113	1 059.3	2.0	1 061.3
R114	607.8	6.1	613.9
R115	632.0	6.1	638.1
R116	466.8	10.2	477.0
R117	609.6	4.1	613.7
R118	846.5	2.0	848.6
R119	670.5	2.0	672.5
R120	1 087.0	2.0	1 089.1
R121	686.5	20.5	707.0
R122	772.8	10.2	783.0
R123	812.5	< 0.1	812.5
R124	681.8	< 0.1	681.8
R125	796.6	< 0.1	796.6
R126	725.8	< 0.1	725.8
R127	803.3	10.2	813.5
R128	930.4	12.3	942.7

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	17 184.2	27/09/2021 06:00	1 718.4	0.16	1.09	0.635	0.1	0.03	2 219.4	10.2	2 229.7
R2	18 889.2	02/10/2021 06:00	1 888.9	0.62	< 0.1	0.635	0.1	0.02	2 236.1	12.3	2 248.4
R3	16 493.0	02/10/2021 06:00	1 649.3	0.62	< 0.1	0.635	0.1	0.02	2 000.7	12.3	2 013.0
R4	19 124.0	02/10/2021 06:00	1 912.4	0.62	< 0.1	0.635	0.1	0.02	2 258.7	12.3	2 271.0
R5	12 546.3	29/04/2021 07:00	1 254.6	0.34	< 0.1	0.635	0.1	0.03	1 644.6	8.2	1 652.8
R6	18 957.0	02/10/2021 06:00	1 895.7	0.62	< 0.1	0.635	0.1	0.03	2 423.2	12.3	2 435.5
R7	9 539.8	02/10/2021 06:00	954.0	0.62	< 0.1	0.635	0.1	0.05	1 383.8	12.3	1 396.1
R8	8 722.7	25/09/2021 06:00	872.3	0.53	4.36	0.635	0.1	0.06	1 332.3	12.3	1 344.6
R9	8 832.1	27/09/2021 06:00	883.2	0.16	1.09	0.635	0.1	0.05	1 297.3	10.2	1 307.5
R10	11 697.9	27/09/2021 06:00	1 169.8	0.16	1.09	0.635	0.1	0.04	1 628.0	10.2	1 638.2
R11	9 160.1	27/09/2021 06:00	916.0	0.16	1.09	0.635	0.1	0.04	1 260.0	10.2	1 270.3
R12	16 550.8	19/08/2021 07:00	1 655.1	0.16	4.36	0.49	0.05	0.01	1 870.2	8.2	1 878.4
R13	17 460.6	19/08/2021 07:00	1 746.1	0.16	4.36	0.49	0.05	0.01	1 975.5	8.2	1 983.7
R14	20 358.8	20/08/2021 07:00	2 035.9	< 0.1	1.09	0.49	0.05	0.01	2 177.9	4.1	2 182.0
R15	10 915.4	16/06/2021 08:00	1 091.5	0.19	< 0.1	0.49	0.05	0.02	1 240.2	10.2	1 250.4
R16	2 795.4	12/09/2021 17:00	279.5	3.62	45.78	0.85	0.1	0.28	988.4	2.0	990.5
R17	2 907.4	15/11/2021 04:00	290.7	2.57	22.89	0.74	0.1	0.34	1 174.1	2.0	1 176.1
R18	2 829.4	15/11/2021 04:00	282.9	2.57	22.89	0.74	0.1	0.33	1 133.0	2.0	1 135.0
R19	3 047.0	02/01/2021 05:00	304.7	1.04	6.54	0.67	0.1	0.18	794.9	< 0.1	794.9
R20	2 985.2	14/09/2021 06:00	298.5	2.12	25.07	0.74	0.1	0.21	863.3	2.0	865.3
R21	2 868.9	14/09/2021 06:00	286.9	2.12	25.07	0.74	0.1	0.22	859.7	2.0	861.8
R22	2 168.9	20/05/2021 17:00	216.9	1.16	22.89	0.74	0.1	0.26	726.9	8.2	735.1
R23	2 249.6	21/09/2021 17:00	225.0	2.19	32.70	0.8	0.1	0.28	786.9	2.0	788.9
R24	2 115.5	21/09/2021 17:00	211.6	2.19	32.70	0.8	0.1	0.29	755.2	2.0	757.3
R25	2 078.4	22/12/2021 01:00	207.8	1.13	37.61	0.74	0.1	0.27	708.0	10.2	718.3
R26	1 969.3	22/12/2021 00:00	196.9	1.77	37.61	0.74	0.1	0.28	687.4	10.2	697.7
R27	1 430.4	19/12/2021 20:00	143.0	2.07	37.61	0.74	0.1	0.25	468.3	10.2	478.5
R28	2 589.5	16/12/2021 05:00	258.9	1.29	37.61	0.74	0.1	0.23	794.3	10.2	804.5
R29	2 502.3	20/05/2021 17:00	250.2	1.16	22.89	0.74	0.1	0.24	780.2	8.2	788.4
R30	2 353.5	14/09/2021 06:00	235.4	2.12	25.07	0.74	0.1	0.24	737.2	2.0	739.2
R31	3 187.6	06/09/2021 17:00	318.8	1.76	30.52	0.8	0.1	0.15	752.1	8.2	760.3
R32	2 532.2	22/12/2021 00:00	253.2	1.77	37.61	0.74	0.1	0.22	746.5	10.2	756.7

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	1 919.5	22/12/2021 01:00	192.0	1.13	37.61	0.74	0.1	0.28	675.8	10.2	686.1
R34	1 959.0	22/12/2021 01:00	195.9	1.13	37.61	0.74	0.1	0.28	686.6	10.2	696.9
R35	2 027.3	21/11/2021 05:00	202.7	1.53	20.71	0.74	0.1	0.26	686.2	2.0	688.3
R36	2 791.8	15/11/2021 04:00	279.2	2.57	22.89	0.74	0.1	0.32	1 085.2	2.0	1 087.3
R37	2 802.6	15/11/2021 04:00	280.3	2.57	22.89	0.74	0.1	0.33	1 105.5	2.0	1 107.6
R38	7 815.2	14/04/2021 17:00	781.5	2.57	28.34	0.74	0.1	0.08	1 377.9	2.0	1 379.9
R39	4 996.0	16/08/2021 07:00	499.6	0.22	1.09	0.49	0.05	0.04	670.6	34.9	705.4
R40	11 014.5	16/08/2021 07:00	1 101.4	0.22	1.09	0.49	0.05	0.01	1 234.4	34.9	1 269.3
R41	23 144.6	02/10/2021 06:00	2 314.5	0.62	< 0.1	0.635	0.1	0.04	3 156.3	12.3	3 168.6
R42	10 185.9	03/10/2021 06:00	1 018.6	0.13	< 0.1	0.635	0.1	0.07	1 643.8	6.1	1 650.0
R43	5 462.5	25/09/2021 06:00	546.3	0.53	4.36	0.635	0.1	0.09	997.9	12.3	1 010.2
R44	6 878.3	10/02/2021 18:00	687.8	2.15	15.26	0.67	0.1	0.07	1 132.8	12.3	1 145.1
R45	6 500.8	10/02/2021 18:00	650.1	2.15	15.26	0.67	0.1	0.08	1 139.4	12.3	1 151.7
R46	3 798.9	21/12/2021 23:00	379.9	2.45	37.61	0.74	0.1	0.09	692.4	10.2	702.6
R47	5 890.2	30/04/2021 07:00	589.0	0.29	< 0.1	0.635	0.1	0.06	929.3	8.2	937.5
R48	7 004.7	29/04/2021 07:00	700.5	0.34	< 0.1	0.635	0.1	0.06	1 085.4	8.2	1 093.6
R49	7 552.2	25/09/2021 06:00	755.2	0.53	4.36	0.635	0.1	0.08	1 317.0	12.3	1 329.3
R50	4 977.1	20/12/2021 05:00	497.7	0.77	37.61	0.74	0.1	0.10	953.6	10.2	963.9
R51	3 956.8	10/02/2021 06:00	395.7	1.29	1.09	0.67	0.1	0.12	814.5	8.2	822.7
R52	4 355.0	25/09/2021 06:00	435.5	0.53	4.36	0.635	0.1	0.15	1 022.3	12.3	1 034.6
R53	3 616.1	02/01/2021 05:00	361.6	1.04	6.54	0.67	0.1	0.14	824.6	< 0.1	824.6
R54	2 952.9	22/12/2021 00:00	295.3	1.77	37.61	0.74	0.1	0.18	766.7	10.2	776.9
R55	2 921.1	21/09/2021 17:00	292.1	2.19	32.70	0.8	0.1	0.19	788.1	2.0	790.1
R56	3 362.1	16/12/2021 05:00	336.2	1.29	37.61	0.74	0.1	0.19	900.2	10.2	910.4
R57	2 837.0	21/12/2021 23:00	283.7	2.45	37.61	0.74	0.1	0.16	683.0	10.2	693.3
R58	2 987.6	22/11/2021 18:00	298.8	2.59	20.71	0.74	0.1	0.16	739.6	6.1	745.7
R59	4 414.6	16/11/2021 18:00	441.5	2.27	27.25	0.74	0.1	0.15	1 046.5	6.1	1 052.6
R60	2 639.6	18/01/2021 18:00	264.0	2.27	49.05	0.81	0.15	0.24	830.2	6.1	836.4
R61	3 639.2	03/02/2021 18:00	363.9	2.28	19.62	0.67	0.1	0.13	799.3	12.3	811.6
R62	4 365.5	01/05/2021 07:00	436.6	0.18	< 0.1	0.635	0.1	0.12	917.9	4.1	922.0
R63	3 551.6	09/04/2021 07:00	355.2	0.45	< 0.1	0.635	0.1	0.09	650.6	6.1	656.8
R64	2 577.2	08/10/2021 17:00	257.7	2.19	38.15	0.8	0.1	0.20	710.2	8.2	718.4
R65	3 135.9	15/11/2021 04:00	313.6	2.57	22.89	0.74	0.1	0.22	922.0	2.0	924.0
R66	4 040.5	25/07/2021 06:00	404.1	3.83	32.70	0.87	0.07	0.18	1 046.5	< 0.1	1 046.5
R67	2 653.1	14/04/2021 19:00	265.3	1.07	23.98	0.74	0.1	0.19	714.4	6.1	720.5
R68	2 663.1	20/04/2021 07:00	266.3	< 0.1	< 0.1	0.635	0.1	0.14	596.5	4.1	600.6

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	2 227.6	14/04/2021 07:00	222.8	< 0.1	< 0.1	0.635	0.1	0.14	495.7	4.1	499.8
R70	2 642.1	14/04/2021 07:00	264.2	< 0.1	< 0.1	0.635	0.1	0.11	526.9	4.1	531.0
R71	5 480.5	12/02/2021 06:00	548.0	0.23	< 0.1	0.67	0.1	0.07	917.8	10.2	928.0
R72	6 523.9	12/02/2021 06:00	652.4	0.23	< 0.1	0.67	0.1	0.08	1 145.3	10.2	1 155.5
R73	7 501.3	19/12/2021 05:00	750.1	0.64	37.61	0.74	0.1	0.07	1 241.0	10.2	1 251.3
R74	4 866.4	04/08/2021 07:00	486.6	1.88	25.07	0.83	0.07	0.10	934.4	12.3	946.7
R75	3 143.2	26/06/2021 16:00	314.3	1.73	29.43	0.83	0.07	0.16	776.9	< 0.1	776.9
R76	2 722.9	05/10/2021 20:00	272.3	2.56	31.61	0.8	0.1	0.22	819.5	< 0.1	819.5
R77	5 181.2	01/05/2021 07:00	518.1	0.18	< 0.1	0.635	0.1	0.12	1 066.8	4.1	1 070.9
R78	4 848.7	03/01/2021 06:00	484.9	< 0.1	2.18	0.67	0.1	0.13	1 036.6	4.1	1 040.7
R79	3 538.0	03/02/2021 18:00	353.8	2.28	19.62	0.67	0.1	0.14	815.1	12.3	827.4
R80	2 059.2	19/12/2021 05:00	205.9	0.64	37.61	0.74	0.1	0.21	596.2	10.2	606.5
R81	4 346.9	19/02/2021 18:00	434.7	2.10	14.17	0.67	0.1	0.15	1 039.4	6.1	1 045.6
R82	4 044.9	14/12/2021 18:00	404.5	1.85	22.35	0.67	0.1	0.15	965.4	16.4	981.8
R83	4 417.5	01/09/2021 17:00	441.8	1.60	33.79	0.8	0.1	0.20	1 225.2	22.6	1 247.7
R84	3 510.1	28/03/2021 17:00	351.0	2.05	32.70	0.8	0.1	0.19	943.8	4.1	947.9
R85	4 958.7	03/01/2021 06:00	495.9	< 0.1	2.18	0.67	0.1	0.15	1 156.6	4.1	1 160.7
R86	5 167.9	03/01/2021 06:00	516.8	< 0.1	2.18	0.67	0.1	0.14	1 162.6	4.1	1 166.7
R87	2 804.3	02/12/2021 18:00	280.4	1.73	42.51	0.81	0.15	0.27	950.0	10.2	960.2
R88	1 680.2	12/01/2021 18:00	168.0	2.08	65.40	0.88	0.2	0.36	715.4	12.3	727.7
R89	1 955.0	12/01/2021 19:00	195.5	1.80	53.41	0.81	0.15	0.28	693.6	14.3	708.0
R90	2 354.5	08/10/2021 17:00	235.4	2.19	38.15	0.8	0.1	0.23	730.9	8.2	739.1
R91	2 525.6	02/12/2021 18:00	252.6	1.73	42.51	0.81	0.15	0.29	913.8	10.2	924.0
R92	2 439.8	08/10/2021 17:00	244.0	2.19	38.15	0.8	0.1	0.22	717.3	8.2	725.5
R93	3 387.6	03/02/2021 18:00	338.8	2.28	19.62	0.67	0.1	0.16	839.7	12.3	852.0
R94	3 643.8	03/01/2021 06:00	364.4	< 0.1	2.18	0.67	0.1	0.17	928.3	4.1	932.4
R95	2 969.2	10/02/2021 20:00	296.9	1.42	10.90	0.67	0.1	0.19	799.5	12.3	811.8
R96	3 209.7	02/03/2021 06:00	321.0	0.83	2.18	0.635	0.1	0.17	823.9	8.2	832.1
R97	3 692.8	25/09/2021 06:00	369.3	0.53	4.36	0.635	0.1	0.18	979.8	12.3	992.1
R98	2 378.4	14/09/2021 06:00	237.8	2.12	25.07	0.74	0.1	0.23	723.3	2.0	725.4
R99	3 622.3	29/12/2021 05:00	362.2	1.11	4.36	0.67	0.1	0.18	961.6	2.0	963.6
R100	2 874.3	02/02/2021 18:00	287.4	2.02	18.53	0.67	0.1	0.18	753.7	6.1	759.9
R101	2 537.8	02/03/2021 06:00	253.8	0.83	2.18	0.635	0.1	0.21	725.6	8.2	733.8
R102	2 494.0	21/09/2021 17:00	249.4	2.19	32.70	0.8	0.1	0.24	781.6	2.0	783.7
R103	2 414.4	02/01/2021 05:00	241.4	1.04	6.54	0.67	0.1	0.22	719.1	< 0.1	719.1
R104	2 039.5	22/12/2021 00:00	204.0	1.77	37.61	0.74	0.1	0.27	695.5	10.2	705.7

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	1 544.6	18/10/2021 06:00	154.5	0.40	1.09	0.635	0.1	0.19	415.9	4.1	420.0
R106	1 987.6	19/12/2021 20:00	198.8	2.07	37.61	0.74	0.1	0.22	584.5	10.2	594.8
R107	2 239.3	09/09/2021 21:00	223.9	1.64	35.97	0.8	0.1	0.22	663.3	6.1	669.5
R108	3 491.2	25/07/2021 04:00	349.1	2.94	30.52	0.87	0.07	0.20	986.6	< 0.1	986.6
R109	3 026.9	13/11/2021 22:00	302.7	2.01	20.71	0.74	0.1	0.24	960.2	2.0	962.3
R110	2 718.2	25/07/2021 17:00	271.8	3.06	32.70	0.87	0.07	0.25	886.2	< 0.1	886.2
R111	2 364.1	13/11/2021 00:00	236.4	3.36	21.80	0.74	0.1	0.23	721.3	4.1	725.4
R112	2 981.0	15/11/2021 03:00	298.1	2.50	22.89	0.74	0.1	0.26	994.1	2.0	996.2
R113	2 897.1	19/09/2021 18:00	289.7	2.00	32.70	0.8	0.1	0.30	1 059.3	2.0	1 061.3
R114	1 637.4	09/09/2021 20:00	163.7	2.59	38.15	0.8	0.1	0.30	607.8	6.1	613.9
R115	1 845.4	09/09/2021 22:00	184.5	0.59	34.88	0.8	0.1	0.27	632.0	6.1	638.1
R116	1 384.2	19/12/2021 20:00	138.4	2.07	37.61	0.74	0.1	0.26	466.8	10.2	477.0
R117	1 841.4	28/07/2021 18:00	184.1	3.14	29.43	0.83	0.07	0.26	609.6	4.1	613.7
R118	2 015.9	12/09/2021 17:00	201.6	3.62	45.78	0.85	0.1	0.36	846.5	2.0	848.6
R119	2 544.0	13/11/2021 01:00	254.4	3.42	21.80	0.74	0.1	0.18	670.5	2.0	672.5
R120	2 855.4	15/11/2021 04:00	285.5	2.57	22.89	0.74	0.1	0.31	1 087.0	2.0	1 089.1
R121	2 412.5	29/05/2021 07:00	241.2	1.88	10.90	0.635	0.1	0.21	686.5	20.5	707.0
R122	2 659.0	14/05/2021 07:00	265.9	0.61	< 0.1	0.635	0.1	0.21	772.8	10.2	783.0
R123	2 343.4	15/05/2021 19:00	234.3	2.02	27.25	0.74	0.1	0.27	812.5	< 0.1	812.5
R124	1 787.8	05/10/2021 18:00	178.8	3.80	32.70	0.8	0.1	0.31	681.8	< 0.1	681.8
R125	2 257.4	26/05/2021 17:00	225.7	1.51	29.43	0.74	0.1	0.28	796.6	< 0.1	796.6
R126	1 752.3	05/10/2021 20:00	175.2	2.56	31.61	0.8	0.1	0.35	725.8	< 0.1	725.8
R127	3 575.2	16/12/2021 05:00	357.5	1.29	37.61	0.74	0.1	0.14	803.3	10.2	813.5
R128	4 528.8	25/09/2021 06:00	452.9	0.53	4.36	0.635	0.1	0.12	930.4	12.3	942.7

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R41				Highest cumulative PM ₁₀ impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
14/05/2021	92.8	9.5	102.3	05/10/2021	89.1	14.0	103.1
18/07/2021	89.6	5.7	95.3	14/05/2021	92.8	9.5	102.3
05/10/2021	89.1	14.0	103.1	18/07/2021	89.6	5.7	95.3
05/08/2021	85.1	7.8	92.9	05/08/2021	85.1	7.8	92.9
27/05/2021	77.0	9.3	86.3	23/04/2021	62.1	29.9	92.0
16/05/2021	76.4	7.9	84.3	06/08/2021	75.3	15.4	90.7
02/10/2021	75.8	8.0	83.8	27/05/2021	77.0	9.3	86.3
25/08/2021	75.6	5.4	81.0	16/05/2021	76.4	7.9	84.3
06/08/2021	75.3	15.4	90.7	02/10/2021	75.8	8.0	83.8
04/08/2021	75.3	5.6	80.9	16/01/2021	56.4	25.0	81.4

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	82.6	12.3	94.9	21/03/2021	82.6	12.3	94.9
22/03/2021	79.4	5.9	85.3	19/02/2021	73.8	13.4	87.2
19/02/2021	73.8	13.4	87.2	22/03/2021	79.4	5.9	85.3
29/01/2021	62.3	8.2	70.5	10/03/2021	56.9	21.1	78.0
10/03/2021	56.9	21.1	78.0	10/02/2021	50.4	23.8	74.2
02/11/2021	52.4	19.1	71.5	02/11/2021	52.4	19.1	71.5
20/02/2021	50.7	11.4	62.1	29/01/2021	62.3	8.2	70.5
10/02/2021	50.4	23.8	74.2	28/02/2021	43.6	21.6	65.2
09/11/2021	48.4	13.4	61.8	30/11/2021	37.3	26.0	63.3
24/12/2021	46.4	13.5	59.9	20/02/2021	50.7	11.4	62.1

Highest incremental PM ₁₀ impact – Receptor R42				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
14/05/2021	77.6	9.5	87.1	02/03/2021	57.8	33.8	91.6
18/07/2021	72.9	5.7	78.6	05/03/2021	56.8	32.7	89.5
05/08/2021	72.5	7.8	80.3	25/09/2021	58.6	27.9	86.5
27/05/2021	64.7	9.3	74.0	04/05/2021	31.3	54.9	86.2
25/08/2021	59.1	5.4	64.5	06/03/2021	60.0	25.7	85.7
06/08/2021	55.7	15.4	71.1	16/04/2021	54.5	29.9	84.4
05/07/2021	55.1	10.9	66.0	17/08/2021	62.6	19.9	82.5
11/04/2021	51.2	9.5	60.7	16/12/2021	58.7	20.0	78.6
16/05/2021	49.4	7.9	57.3	19/01/2021	48.3	30.0	78.3
04/06/2021	48.3	8.8	57.1	08/02/2021	59.1	18.8	77.9

Highest incremental PM ₁₀ impact – Receptor R6				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/08/2021	75.1	7.8	82.9	02/03/2021	56.1	33.8	89.9
14/05/2021	73.1	9.5	82.6	05/03/2021	56.5	32.7	89.2
27/05/2021	72.3	9.3	81.6	25/09/2021	59.1	27.9	87.0
25/08/2021	66.8	5.4	72.2	04/05/2021	31.8	54.9	86.7
18/07/2021	65.9	5.7	71.6	06/03/2021	58.2	25.7	83.9
05/07/2021	65.1	10.9	76.0	17/08/2021	63.7	19.9	83.6
06/08/2021	60.1	15.4	75.5	16/04/2021	52.2	29.9	82.1
04/06/2021	59.7	8.8	68.5	19/01/2021	50.4	30.0	80.4
23/04/2021	57.7	29.9	87.6	16/12/2021	59.5	20.0	79.5
28/05/2021	56.4	14.3	70.7	08/02/2021	59.1	18.8	77.9

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
17/03/2021	72.6	13.5	86.1	02/03/2021	55.1	33.8	88.9
18/03/2021	71.9	9.1	81.0	05/03/2021	54.6	32.7	87.3
19/03/2021	68.5	13.8	82.3	04/05/2021	31.9	54.9	86.8
11/11/2021	67.8	14.5	82.3	25/09/2021	55.9	27.9	83.8
28/01/2021	58.9	16.0	74.9	06/03/2021	54.4	25.7	80.1
20/03/2021	58.6	9.9	68.5	17/08/2021	58.8	19.9	78.7
17/02/2021	54.7	14.1	68.8	16/04/2021	48.4	29.9	78.3
18/02/2021	54.5	13.9	68.4	19/01/2021	48.3	30.0	78.3
09/02/2021	51.9	19.8	71.7	08/02/2021	57.1	18.8	75.9
22/12/2021	51.3	15.1	66.4	16/12/2021	54.7	20.0	74.7

Highest incremental PM ₁₀ impact – Receptor R44				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	72.1	12.3	84.4	06/03/2021	63.2	25.7	88.9
19/02/2021	41.1	13.4	54.5	17/02/2021	70.7	14.1	84.8
09/11/2021	31.6	13.4	45.0	19/03/2021	70.9	13.8	84.7
28/02/2021	28.6	21.6	50.2	28/01/2021	67.0	16.0	83.0
10/02/2021	27.5	23.8	51.3	19/01/2021	52.8	30.0	82.8
10/03/2021	27.4	21.1	48.5	17/03/2021	69.2	13.5	82.7
29/01/2021	26.9	8.2	35.1	09/02/2021	62.2	19.8	82.0
06/04/2021	26.3	22.4	48.7	16/12/2021	60.9	20.0	80.8
17/01/2021	25.9	25.5	51.4	18/03/2021	71.4	9.1	80.5
24/12/2021	25.1	13.5	38.6	04/05/2021	25.1	54.9	80.0

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
18/03/2021	71.4	9.1	80.5	23/04/2021	57.7	29.9	87.6
19/03/2021	70.9	13.8	84.7	05/08/2021	75.1	7.8	82.9
17/02/2021	70.7	14.1	84.8	04/05/2021	28.0	54.9	82.9
17/03/2021	69.2	13.5	82.7	14/05/2021	73.1	9.5	82.6
28/01/2021	67.0	16.0	83.0	27/05/2021	72.3	9.3	81.6
27/01/2021	66.3	11.1	77.4	16/01/2021	53.5	25.0	78.5
26/12/2021	63.4	14.9	78.3	05/07/2021	65.1	10.9	76.0
06/03/2021	63.2	25.7	88.9	06/08/2021	60.1	15.4	75.5
26/11/2021	63.1	6.4	69.5	17/08/2021	55.1	19.9	75.0
28/12/2021	62.7	10.1	72.8	25/08/2021	66.8	5.4	72.2

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R42			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	70.0	12.3	82.3	14/05/2021	77.6	9.5	87.1
11/11/2021	64.1	14.5	78.6	05/08/2021	72.5	7.8	80.3
20/03/2021	59.5	9.9	69.4	18/07/2021	72.9	5.7	78.6
17/03/2021	59.2	13.5	72.7	23/04/2021	45.6	29.9	75.5
12/10/2021	56.7	8.9	65.6	27/05/2021	64.7	9.3	74.0
18/02/2021	52.7	13.9	66.6	06/08/2021	55.7	15.4	71.1
18/03/2021	51.8	9.1	60.9	05/07/2021	55.1	10.9	66.0
21/10/2021	51.5	16.5	68.0	04/05/2021	10.0	54.9	64.9
21/12/2021	51.3	15.9	67.3	25/08/2021	59.1	5.4	64.5
21/02/2021	48.6	9.1	57.7	16/01/2021	37.3	25.0	62.3

Highest incremental PM ₁₀ impact – Receptor R13				Highest cumulative PM ₁₀ impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/03/2021	64.5	5.9	70.4	17/03/2021	72.6	13.5	86.1
20/02/2021	49.6	11.4	61.0	11/11/2021	67.8	14.5	82.3
02/11/2021	44.2	19.1	63.3	19/03/2021	68.5	13.8	82.3
02/12/2021	43.7	15.0	58.7	18/03/2021	71.9	9.1	81.0
03/11/2021	43.1	17.8	60.9	28/01/2021	58.9	16.0	74.9
17/12/2021	42.5	19.2	61.7	06/03/2021	46.6	25.7	72.3
29/01/2021	41.4	8.2	49.6	09/02/2021	51.9	19.8	71.7
17/11/2021	40.9	21.5	62.4	05/04/2021	45.4	25.8	71.2
13/01/2021	40.8	19.0	59.8	17/02/2021	54.7	14.1	68.8
05/11/2021	39.9	9.8	49.7	26/02/2021	46.2	22.5	68.7

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R44			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	64.0	13.8	77.8	21/03/2021	72.1	12.3	84.4
17/02/2021	63.1	14.1	77.2	04/05/2021	0.8	54.9	55.7
17/08/2021	62.6	19.9	82.5	19/02/2021	41.1	13.4	54.5
27/01/2021	61.1	11.1	72.2	17/01/2021	25.9	25.5	51.4
18/03/2021	60.4	9.1	69.5	10/02/2021	27.5	23.8	51.3
06/03/2021	60.0	25.7	85.7	28/02/2021	28.6	21.6	50.2
28/01/2021	59.8	16.0	75.8	06/04/2021	26.3	22.4	48.7
08/02/2021	59.1	18.8	77.9	10/03/2021	27.4	21.1	48.5
16/12/2021	58.7	20.0	78.6	27/04/2021	12.2	35.4	47.6
08/01/2021	58.7	13.7	72.4	10/09/2021	11.3	35.5	46.8

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R41				Highest cumulative PM _{2.5} impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
14/05/2021	92.8	3.8	96.6	14/05/2021	92.8	3.8	96.6
18/07/2021	89.6	1.6	91.2	05/10/2021	89.1	3.8	92.9
05/10/2021	89.1	3.8	92.9	18/07/2021	89.6	1.6	91.2
05/08/2021	85.1	4.7	89.8	05/08/2021	85.1	4.7	89.8
27/05/2021	77.0	2.4	79.4	23/04/2021	62.1	19.5	81.6
16/05/2021	76.4	3.1	79.5	06/08/2021	75.3	6.2	81.5
02/10/2021	75.8	2.9	78.7	16/05/2021	76.4	3.1	79.5
25/08/2021	75.6	2.9	78.5	27/05/2021	77.0	2.4	79.4
06/08/2021	75.3	6.2	81.5	02/10/2021	75.8	2.9	78.7
04/08/2021	75.3	1.8	77.1	25/08/2021	75.6	2.9	78.5

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	82.6	4.9	87.5	21/03/2021	82.6	4.9	87.5
22/03/2021	79.4	2.4	81.8	22/03/2021	79.4	2.4	81.8
19/02/2021	73.8	2.9	76.7	19/02/2021	73.8	2.9	76.7
29/01/2021	62.3	4.3	66.6	29/01/2021	62.3	4.3	66.6
10/03/2021	56.9	4.9	61.8	10/03/2021	56.9	4.9	61.8
02/11/2021	52.4	3.5	55.9	10/02/2021	50.4	6.4	56.8
20/02/2021	50.7	2.0	52.7	02/11/2021	52.4	3.5	55.9
10/02/2021	50.4	6.4	56.8	09/11/2021	48.4	4.4	52.8
09/11/2021	48.4	4.4	52.8	20/02/2021	50.7	2.0	52.7
24/12/2021	46.4	5.9	52.3	24/12/2021	46.4	5.9	52.3

Highest incremental PM _{2.5} impact – Receptor R42				Highest cumulative PM _{2.5} impact – Receptor R42			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
14/05/2021	77.6	3.8	81.4	14/05/2021	77.6	3.8	81.4
18/07/2021	72.9	1.6	74.5	05/08/2021	72.5	4.7	77.2
05/08/2021	72.5	4.7	77.2	18/07/2021	72.9	1.6	74.5
27/05/2021	64.7	2.4	67.1	27/05/2021	64.7	2.4	67.1
25/08/2021	59.1	2.9	62.0	23/04/2021	45.6	19.5	65.1
06/08/2021	55.7	6.2	61.9	25/08/2021	59.1	2.9	62.0
05/07/2021	55.1	6.2	61.3	06/08/2021	55.7	6.2	61.9
11/04/2021	51.2	3.8	55.0	05/07/2021	55.1	6.2	61.3
16/05/2021	49.4	3.1	52.5	11/04/2021	51.2	3.8	55.0
04/06/2021	48.3	5.7	54.0	04/06/2021	48.3	5.7	54.0

Highest incremental PM _{2.5} impact – Receptor R6				Highest cumulative PM _{2.5} impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/08/2021	75.1	4.7	79.8	05/08/2021	75.1	4.7	79.8
14/05/2021	73.1	3.8	76.9	23/04/2021	57.7	19.5	77.2
27/05/2021	72.3	2.4	74.7	14/05/2021	73.1	3.8	76.9
25/08/2021	66.8	2.9	69.7	27/05/2021	72.3	2.4	74.7
18/07/2021	65.9	1.6	67.5	05/07/2021	65.1	6.2	71.3
05/07/2021	65.1	6.2	71.3	25/08/2021	66.8	2.9	69.7
06/08/2021	60.1	6.2	66.3	04/05/2021	28.0	40.3	68.3
04/06/2021	59.7	5.7	65.4	18/07/2021	65.9	1.6	67.5
23/04/2021	57.7	19.5	77.2	06/08/2021	60.1	6.2	66.3
28/05/2021	56.4	4.9	61.3	04/06/2021	59.7	5.7	65.4

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R44			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
17/03/2021	72.6	3.3	75.9	21/03/2021	72.1	4.9	77.0
18/03/2021	71.9	2.5	74.4	19/02/2021	41.1	2.9	44.0
19/03/2021	68.5	2.9	71.4	04/05/2021	0.8	40.3	41.1
11/11/2021	67.8	3.6	71.4	28/02/2021	28.6	7.8	36.4
28/01/2021	58.9	8.3	67.2	09/11/2021	31.6	4.4	36.0
20/03/2021	58.6	1.5	60.1	10/02/2021	27.5	6.4	33.9
17/02/2021	54.7	4.8	59.5	06/04/2021	26.3	7.1	33.4
18/02/2021	54.5	3.9	58.4	17/01/2021	25.9	7.2	33.1
09/02/2021	51.9	8.3	60.2	10/03/2021	27.4	4.9	32.3
22/12/2021	51.3	4.4	55.7	29/01/2021	26.9	4.3	31.2

Highest incremental PM _{2.5} impact – Receptor R44				Highest cumulative PM _{2.5} impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	72.1	4.9	77.0	17/03/2021	72.6	3.3	75.9
19/02/2021	41.1	2.9	44.0	18/03/2021	71.9	2.5	74.4
09/11/2021	31.6	4.4	36.0	11/11/2021	67.8	3.6	71.4
28/02/2021	28.6	7.8	36.4	19/03/2021	68.5	2.9	71.4
10/02/2021	27.5	6.4	33.9	28/01/2021	58.9	8.3	67.2
10/03/2021	27.4	4.9	32.3	09/02/2021	51.9	8.3	60.2
29/01/2021	26.9	4.3	31.2	20/03/2021	58.6	1.5	60.1
06/04/2021	26.3	7.1	33.4	17/02/2021	54.7	4.8	59.5
17/01/2021	25.9	7.2	33.1	18/02/2021	54.5	3.9	58.4
24/12/2021	25.1	5.9	31.0	22/12/2021	51.3	4.4	55.7

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
18/03/2021	71.4	2.5	73.9	17/02/2021	70.7	4.8	75.5
19/03/2021	70.9	2.9	73.8	28/01/2021	67.0	8.3	75.3
17/02/2021	70.7	4.8	75.5	18/03/2021	71.4	2.5	73.9
17/03/2021	69.2	3.3	72.5	19/03/2021	70.9	2.9	73.8
28/01/2021	67.0	8.3	75.3	27/01/2021	66.3	7.0	73.3
27/01/2021	66.3	7.0	73.3	17/03/2021	69.2	3.3	72.5
26/12/2021	63.4	5.8	69.2	09/02/2021	62.2	8.3	70.5
06/03/2021	63.2	6.9	70.1	06/03/2021	63.2	6.9	70.1
26/11/2021	63.1	1.9	65.0	26/12/2021	63.4	5.8	69.2
28/12/2021	62.7	1.2	63.9	16/12/2021	60.9	6.6	67.5

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	70.0	4.9	74.9	21/03/2021	70.0	4.9	74.9
11/11/2021	64.1	3.6	67.7	11/11/2021	64.1	3.6	67.7
20/03/2021	59.5	1.5	61.0	17/03/2021	59.2	3.3	62.5
17/03/2021	59.2	3.3	62.5	20/03/2021	59.5	1.5	61.0
12/10/2021	56.7	3.5	60.2	12/10/2021	56.7	3.5	60.2
18/02/2021	52.7	3.9	56.5	18/02/2021	52.7	3.9	56.5
18/03/2021	51.8	2.5	54.3	21/10/2021	51.5	4.7	56.2
21/10/2021	51.5	4.7	56.2	21/12/2021	51.3	3.7	55.0
21/12/2021	51.3	3.7	55.0	18/03/2021	51.8	2.5	54.3
21/02/2021	48.6	1.2	49.8	27/04/2021	41.6	11.5	53.1

Highest incremental PM _{2.5} impact – Receptor R13				Highest cumulative PM _{2.5} impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/03/2021	64.5	2.4	66.9	04/05/2021	31.9	40.3	72.2
20/02/2021	49.6	2.0	51.6	27/01/2021	59.9	7.0	66.9
02/11/2021	44.2	3.5	47.7	08/02/2021	57.1	6.6	63.7
02/12/2021	43.7	3.9	47.6	17/08/2021	58.8	4.5	63.3
03/11/2021	43.1	2.7	45.8	02/03/2021	55.1	8.0	63.1
17/12/2021	42.5	5.1	47.6	25/09/2021	55.9	6.2	62.1
29/01/2021	41.4	4.3	45.7	19/01/2021	48.3	13.8	62.1
17/11/2021	40.9	4.5	45.4	05/03/2021	54.6	6.9	61.5
13/01/2021	40.8	3.3	44.1	16/12/2021	54.7	6.6	61.3
05/11/2021	39.9	3.7	43.6	06/03/2021	54.4	6.9	61.3

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	64.0	2.9	66.9	04/05/2021	31.8	40.3	72.1
17/02/2021	63.1	4.8	67.8	27/01/2021	62.3	7.0	69.3
17/08/2021	62.6	4.5	67.1	17/08/2021	63.7	4.5	68.2
27/01/2021	61.1	7.0	68.1	16/12/2021	59.5	6.6	66.1
18/03/2021	60.4	2.5	62.9	17/02/2021	61.1	4.8	65.9
06/03/2021	60.0	6.9	66.9	08/02/2021	59.1	6.6	65.7
28/01/2021	59.8	8.3	68.1	25/09/2021	59.1	6.2	65.3
08/02/2021	59.1	6.6	65.7	23/04/2021	45.8	19.5	65.3
16/12/2021	58.7	6.6	65.3	06/03/2021	58.2	6.9	65.1
08/01/2021	58.7	2.8	61.5	19/01/2021	50.4	13.8	64.2

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	71.4	71.4
R2	64.0	64.0
R3	59.9	59.9
R4	63.7	63.7
R5	52.9	52.9
R6	75.1	75.1
R7	51.8	51.8
R8	48.3	48.3
R9	60.0	60.0
R10	72.6	72.6
R11	70.0	70.0
R12	82.6	82.6
R13	64.5	64.5
R14	55.5	55.5
R15	41.2	41.2
R16	16.2	16.2
R17	15.0	15.0
R18	14.5	14.5
R19	20.0	20.0
R20	28.1	28.1
R21	24.7	24.7
R22	16.8	16.8
R23	16.1	16.1
R24	15.2	15.2
R25	12.0	12.0
R26	9.8	9.8
R27	6.5	6.5
R28	20.4	20.4
R29	21.6	21.6
R30	20.2	20.2
R31	20.6	20.6

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	13.2	13.2
R33	10.5	10.5
R34	11.0	11.0
R35	13.7	13.7
R36	15.0	15.0
R37	15.1	15.1
R38	51.2	51.2
R39	19.0	19.0
R40	38.7	38.7
R41	92.8	92.8
R42	77.6	77.6
R43	54.3	54.3
R44	72.1	72.1
R45	60.9	60.9
R46	45.0	45.0
R47	40.0	40.0
R48	42.7	42.7
R49	41.3	41.3
R50	34.7	34.7
R51	24.2	24.2
R52	30.9	30.9
R53	25.7	25.7
R54	16.1	16.1
R55	25.7	25.7
R56	26.2	26.2
R57	17.6	17.6
R58	23.9	23.9
R59	22.1	22.1
R60	18.2	18.2
R61	23.2	23.2
R62	14.6	14.6
R63	22.6	22.6
R64	10.9	10.9
R65	24.4	24.4
R66	19.3	19.3
R67	15.6	15.6

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	9.8	9.8
R69	13.3	13.3
R70	18.2	18.2
R71	28.4	28.4
R72	32.0	32.0
R73	34.4	34.4
R74	40.9	40.9
R75	23.0	23.0
R76	26.1	26.1
R77	20.8	20.8
R78	30.5	30.5
R79	20.2	20.2
R80	7.9	7.9
R81	22.0	22.0
R82	26.7	26.7
R83	17.4	17.4
R84	13.5	13.5
R85	24.3	24.3
R86	25.1	25.1
R87	14.3	14.3
R88	12.2	12.2
R89	11.0	11.0
R90	9.2	9.2
R91	12.3	12.3
R92	10.2	10.2
R93	16.3	16.3
R94	18.7	18.7
R95	16.2	16.2
R96	28.9	28.9
R97	23.8	23.8
R98	27.1	27.1
R99	20.6	20.6
R100	14.9	14.9
R101	23.6	23.6
R102	18.5	18.5
R103	14.9	14.9

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R104	9.8	9.8
R105	7.9	7.9
R106	9.0	9.0
R107	11.3	11.3
R108	16.0	16.0
R109	19.3	19.3
R110	15.8	15.8
R111	7.3	7.3
R112	18.8	18.8
R113	17.1	17.1
R114	5.8	5.8
R115	9.6	9.6
R116	5.5	5.5
R117	8.0	8.0
R118	12.5	12.5
R119	9.5	9.5
R120	15.1	15.1
R121	16.2	16.2
R122	29.7	29.7
R123	26.9	26.9
R124	16.9	16.9
R125	28.6	28.6
R126	13.3	13.3
R127	32.9	32.9
R128	36.5	36.5

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	6.1	0.2	6.2	4.6	0.1	4.7	1.0	< 0.1	1.0
R2	6.7	0.2	6.8	5.0	0.1	5.2	1.0	0.3	1.3
R3	5.8	0.2	6.0	4.4	0.1	4.5	1.0	0.3	1.3
R4	6.7	0.2	6.9	5.1	0.1	5.2	1.0	0.3	1.3
R5	4.4	0.5	4.9	3.4	0.4	3.7	0.9	0.4	1.3
R6	6.7	0.2	6.8	5.1	0.1	5.2	0.9	0.3	1.2
R7	3.4	0.2	3.5	2.5	0.1	2.7	0.7	< 0.1	0.8
R8	3.1	0.2	3.2	2.3	0.1	2.5	0.7	< 0.1	0.8
R9	3.1	0.2	3.3	2.4	0.1	2.5	0.8	< 0.1	0.8
R10	4.1	0.2	4.3	3.1	0.1	3.3	1.2	0.1	1.3
R11	3.2	0.2	3.4	2.4	0.1	2.6	1.3	< 0.1	1.3
R12	5.8	0.5	6.3	4.4	0.4	4.8	1.5	< 0.1	1.5
R13	6.2	0.5	6.7	4.7	0.4	5.0	1.1	< 0.1	1.1
R14	7.2	0.5	7.7	5.4	0.4	5.8	1.6	0.2	1.8
R15	3.8	0.3	4.2	2.9	0.2	3.2	0.9	0.1	1.0
R16	1.1	0.2	1.2	0.8	0.1	0.9	0.5	< 0.1	0.5
R17	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R18	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R19	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R20	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R21	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R22	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	0.2	0.6
R23	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R24	0.7	< 0.1	0.7	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R25	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R26	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R27	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R28	1.0	< 0.1	1.0	0.7	< 0.1	0.7	0.5	0.2	0.7
R29	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.5	0.1	0.6
R30	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.5	0.1	0.6

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	1.1	< 0.1	1.1	0.9	< 0.1	0.9	0.5	< 0.1	0.5
R32	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.4	< 0.1	0.4
R33	0.7	< 0.1	0.7	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R34	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R35	0.8	0.2	0.9	0.6	0.1	0.7	0.4	< 0.1	0.4
R36	1.0	< 0.1	1.0	0.7	< 0.1	0.7	0.4	< 0.1	0.4
R37	1.0	< 0.1	1.0	0.7	< 0.1	0.7	0.4	< 0.1	0.4
R38	2.8	< 0.1	2.8	2.1	< 0.1	2.1	1.1	< 0.1	1.1
R39	1.8	0.2	1.9	1.3	0.1	1.5	0.6	< 0.1	0.6
R40	3.9	0.2	4.0	2.9	0.1	3.1	0.8	0.2	1.0
R41	8.2	0.2	8.3	6.2	0.1	6.3	1.3	< 0.1	1.3
R42	3.6	0.2	3.8	2.7	0.1	2.8	1.0	< 0.1	1.1
R43	1.9	0.2	2.1	1.5	0.1	1.6	0.7	0.1	0.9
R44	2.4	< 0.1	2.4	1.8	< 0.1	1.8	1.1	< 0.1	1.1
R45	2.3	< 0.1	2.3	1.7	< 0.1	1.7	0.9	< 0.1	0.9
R46	1.4	0.2	1.5	1.0	0.1	1.2	0.6	< 0.1	0.6
R47	2.1	0.7	2.7	1.6	0.5	2.1	0.6	< 0.1	0.6
R48	2.5	0.5	3.0	1.9	0.4	2.2	0.6	< 0.1	0.6
R49	2.7	0.2	2.8	2.0	0.1	2.1	0.6	< 0.1	0.6
R50	1.8	0.2	1.9	1.3	0.1	1.5	0.5	< 0.1	0.5
R51	1.4	0.2	1.6	1.1	0.1	1.2	0.4	< 0.1	0.4
R52	1.5	0.2	1.7	1.2	0.1	1.3	0.5	< 0.1	0.5
R53	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.4	< 0.1	0.4
R54	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R55	1.1	< 0.1	1.1	0.9	< 0.1	0.9	0.5	< 0.1	0.5
R56	1.2	0.2	1.4	0.9	0.1	1.0	0.5	0.1	0.6
R57	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R58	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R59	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.5	< 0.1	0.5
R60	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.5	< 0.1	0.5
R61	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.5	< 0.1	0.5
R62	1.5	0.5	2.0	1.2	0.4	1.5	0.4	< 0.1	0.4
R63	1.3	< 0.1	1.3	0.9	< 0.1	0.9	0.4	< 0.1	0.4
R64	1.3	0.8	2.1	1.0	0.6	1.6	0.3	< 0.1	0.3
R65	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.6	< 0.1	0.6

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.5	< 0.1	0.5
R67	1.0	< 0.1	1.0	0.7	< 0.1	0.7	0.6	< 0.1	0.6
R68	0.9	0.3	1.3	0.7	0.2	1.0	0.3	< 0.1	0.3
R69	0.8	0.2	1.0	0.6	0.1	0.7	0.2	< 0.1	0.2
R70	1.0	0.3	1.4	0.8	0.2	1.0	0.3	< 0.1	0.3
R71	2.1	0.3	2.4	1.6	0.2	1.8	0.6	0.2	0.8
R72	2.4	0.3	2.7	1.8	0.2	2.1	0.7	0.2	0.8
R73	2.7	0.3	3.1	2.1	0.2	2.3	0.7	0.2	0.9
R74	1.9	0.7	2.6	1.4	0.5	1.9	0.8	< 0.1	0.8
R75	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.6	< 0.1	0.6
R76	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.5	< 0.1	0.5
R77	1.8	0.5	2.3	1.4	0.4	1.8	0.5	< 0.1	0.5
R78	1.7	0.2	1.9	1.3	0.1	1.4	0.5	< 0.1	0.5
R79	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.5	< 0.1	0.5
R80	0.8	0.8	1.6	0.6	0.6	1.2	0.3	< 0.1	0.3
R81	1.5	< 0.1	1.5	1.2	< 0.1	1.2	0.5	< 0.1	0.5
R82	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R83	1.6	0.2	1.7	1.2	0.1	1.3	0.5	0.2	0.6
R84	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.4	< 0.1	0.4
R85	1.7	0.2	1.9	1.3	0.1	1.4	0.4	< 0.1	0.4
R86	1.8	0.2	2.0	1.4	0.1	1.5	0.5	< 0.1	0.5
R87	1.4	0.5	1.9	1.1	0.4	1.4	0.5	< 0.1	0.5
R88	1.3	0.8	2.1	0.9	0.6	1.6	0.3	< 0.1	0.4
R89	1.1	0.8	1.9	0.8	0.6	1.5	0.3	< 0.1	0.4
R90	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R91	1.1	0.5	1.6	0.9	0.4	1.2	0.4	< 0.1	0.4
R92	1.0	0.8	1.8	0.8	0.6	1.4	0.3	< 0.1	0.3
R93	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.4	< 0.1	0.4
R94	1.3	0.2	1.4	1.0	0.1	1.1	0.4	< 0.1	0.4
R95	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.3	< 0.1	0.3
R96	1.1	0.3	1.5	0.9	0.2	1.1	0.5	< 0.1	0.5
R97	1.3	0.2	1.5	1.0	0.1	1.1	0.5	< 0.1	0.5
R98	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.5	< 0.1	0.5
R99	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.5	< 0.1	0.5
R100	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.4	< 0.1	0.4

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	0.9	0.3	1.2	0.7	0.2	0.9	0.4	< 0.1	0.4
R102	0.9	0.2	1.1	0.7	0.1	0.8	0.4	< 0.1	0.4
R103	0.9	< 0.1	0.9	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R104	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R105	0.6	0.3	0.9	0.4	0.2	0.7	0.2	< 0.1	0.2
R106	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R107	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R108	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.4	< 0.1	0.4
R109	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.7	< 0.1	0.7
R110	1.0	< 0.1	1.0	0.7	< 0.1	0.7	0.4	< 0.1	0.4
R111	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R112	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R113	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R114	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R115	0.7	< 0.1	0.7	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R116	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R117	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R118	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R119	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.5	< 0.1	0.5
R120	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R121	0.9	< 0.1	0.9	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R122	0.9	0.3	1.3	0.7	0.2	1.0	0.5	0.1	0.6
R123	0.9	0.3	1.2	0.6	0.2	0.9	0.5	< 0.1	0.6
R124	0.7	< 0.1	0.8	0.5	< 0.1	0.6	0.5	< 0.1	0.5
R125	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	< 0.1	0.5
R126	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R127	1.3	0.2	1.4	1.0	0.1	1.1	0.5	< 0.1	0.5
R128	1.6	0.2	1.8	1.2	0.1	1.3	0.5	< 0.1	0.5

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	5.7	< 0.1	5.7	1.0	0.6	1.6
R2	6.3	< 0.1	6.3	0.9	0.2	1.1
R3	5.5	< 0.1	5.5	0.8	0.2	1.0
R4	6.4	< 0.1	6.4	0.9	0.8	1.7
R5	4.2	2.9	7.1	0.7	0.1	0.8
R6	6.3	< 0.1	6.3	1.0	< 0.1	1.0
R7	3.2	< 0.1	3.2	0.7	1.3	2.0
R8	2.9	< 0.1	2.9	0.6	0.7	1.4
R9	3.0	< 0.1	3.0	0.8	0.2	1.1
R10	3.9	< 0.1	3.9	1.0	0.6	1.6
R11	3.1	< 0.1	3.1	1.0	< 0.1	1.0
R12	5.5	2.9	8.4	1.1	0.4	1.5
R13	5.8	2.9	8.7	0.9	0.4	1.3
R14	6.8	2.9	9.7	0.7	4.6	5.4
R15	3.7	< 0.1	3.7	0.5	8.2	8.8
R16	1.0	< 0.1	1.0	0.2	0.1	0.4
R17	1.0	< 0.1	1.0	0.2	1.1	1.3
R18	0.9	< 0.1	0.9	0.2	1.1	1.3
R19	1.0	< 0.1	1.0	0.3	0.2	0.5
R20	1.0	< 0.1	1.0	0.4	< 0.1	0.4
R21	1.0	< 0.1	1.0	0.3	0.1	0.4
R22	0.8	< 0.1	0.8	0.2	0.8	1.1
R23	0.8	< 0.1	0.8	0.3	0.2	0.5
R24	0.7	< 0.1	0.7	0.2	0.2	0.5
R25	0.7	< 0.1	0.7	0.2	0.2	0.4
R26	0.7	< 0.1	0.7	0.1	2.5	2.6
R27	0.5	< 0.1	0.5	< 0.1	1.8	1.9
R28	0.9	2.9	3.8	0.3	0.8	1.1
R29	0.8	< 0.1	0.8	0.3	< 0.1	0.3
R30	0.9	< 0.1	0.9	0.3	< 0.1	0.3

Rec.	1-hour (µg/m³)			24-hour (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	1.1	< 0.1	1.1	0.3	0.2	0.5
R32	0.8	< 0.1	0.8	0.2	< 0.1	0.2
R33	0.7	< 0.1	0.7	0.2	0.2	0.4
R34	0.7	< 0.1	0.7	0.2	0.2	0.4
R35	0.7	2.9	3.6	0.2	0.2	0.5
R36	0.9	< 0.1	0.9	0.2	1.1	1.3
R37	0.9	< 0.1	0.9	0.2	1.1	1.3
R38	2.6	< 0.1	2.6	0.6	0.2	0.9
R39	1.7	< 0.1	1.7	0.2	1.0	1.2
R40	3.7	< 0.1	3.7	0.5	9.8	10.3
R41	7.7	< 0.1	7.7	1.2	0.5	1.7
R42	3.4	< 0.1	3.4	1.0	0.5	1.5
R43	1.8	< 0.1	1.8	0.7	1.5	2.3
R44	2.3	< 0.1	2.3	1.0	< 0.1	1.0
R45	2.2	< 0.1	2.2	0.9	< 0.1	0.9
R46	1.3	< 0.1	1.3	0.6	0.2	0.9
R47	2.0	2.9	4.8	0.6	< 0.1	0.6
R48	2.3	2.9	5.2	0.6	0.2	0.8
R49	2.5	< 0.1	2.5	0.5	0.7	1.3
R50	1.7	2.9	4.5	0.5	0.1	0.6
R51	1.3	2.9	4.2	0.3	0.2	0.6
R52	1.5	< 0.1	1.5	0.4	0.7	1.1
R53	1.2	< 0.1	1.2	0.4	0.2	0.6
R54	1.0	< 0.1	1.0	0.2	< 0.1	0.2
R55	1.1	< 0.1	1.1	0.4	0.2	0.6
R56	1.1	2.9	4.0	0.4	0.8	1.2
R57	0.9	< 0.1	0.9	0.2	0.5	0.7
R58	1.0	< 0.1	1.0	0.4	0.2	0.6
R59	1.5	< 0.1	1.5	0.3	< 0.1	0.3
R60	1.2	< 0.1	1.2	0.2	< 0.1	0.2
R61	1.2	1.4	2.6	0.4	0.4	0.7
R62	1.5	2.9	4.3	0.2	0.2	0.4
R63	1.2	< 0.1	1.2	0.3	0.6	0.9
R64	1.2	2.9	4.1	0.2	1.3	1.5
R65	1.1	< 0.1	1.1	0.3	< 0.1	0.3

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	1.4	< 0.1	1.4	0.3	0.1	0.4
R67	0.9	< 0.1	0.9	0.2	0.4	0.6
R68	0.9	1.4	2.3	0.1	1.8	1.9
R69	0.8	< 0.1	0.8	0.2	0.6	0.8
R70	1.0	< 0.1	1.0	0.2	0.6	0.8
R71	2.0	< 0.1	2.0	0.4	8.2	8.6
R72	2.3	< 0.1	2.3	0.4	8.2	8.6
R73	2.6	< 0.1	2.6	0.5	8.2	8.7
R74	1.8	2.9	4.7	0.5	< 0.1	0.5
R75	1.1	< 0.1	1.1	0.3	< 0.1	0.3
R76	1.1	< 0.1	1.1	0.3	< 0.1	0.3
R77	1.7	2.9	4.6	0.3	0.4	0.7
R78	1.6	< 0.1	1.6	0.5	0.4	0.8
R79	1.2	1.4	2.6	0.3	0.4	0.7
R80	0.8	2.9	3.6	0.1	1.3	1.4
R81	1.5	< 0.1	1.5	0.3	< 0.1	0.3
R82	1.4	< 0.1	1.4	0.5	< 0.1	0.5
R83	1.5	2.9	4.3	0.2	< 0.1	0.2
R84	1.3	< 0.1	1.3	0.2	0.6	0.8
R85	1.7	< 0.1	1.7	0.4	0.4	0.7
R86	1.7	< 0.1	1.7	0.4	0.4	0.8
R87	1.3	2.9	4.2	0.2	0.4	0.6
R88	1.2	2.9	4.0	0.2	2.3	2.4
R89	1.1	2.9	3.9	0.1	2.3	2.4
R90	0.8	< 0.1	0.8	0.1	1.3	1.4
R91	1.1	2.9	3.9	0.2	0.4	0.6
R92	0.9	2.9	3.8	0.1	2.3	2.4
R93	1.1	1.4	2.6	0.3	0.4	0.6
R94	1.2	< 0.1	1.2	0.3	0.4	0.7
R95	1.0	< 0.1	1.0	0.3	0.4	0.6
R96	1.1	2.9	3.9	0.4	< 0.1	0.4
R97	1.2	< 0.1	1.2	0.3	0.7	1.0
R98	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R99	1.2	2.9	4.1	0.3	< 0.1	0.3
R100	1.0	1.4	2.4	0.2	< 0.1	0.2

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	0.8	2.9	3.7	0.3	< 0.1	0.3
R102	0.9	2.9	3.7	0.3	0.2	0.5
R103	0.8	< 0.1	0.8	0.2	0.2	0.5
R104	0.7	< 0.1	0.7	0.1	2.5	2.6
R105	0.5	2.9	3.4	0.1	0.7	0.8
R106	0.7	< 0.1	0.7	0.1	1.8	1.9
R107	0.7	< 0.1	0.7	0.1	1.0	1.1
R108	1.2	< 0.1	1.2	0.2	0.2	0.4
R109	1.0	< 0.1	1.0	0.2	< 0.1	0.2
R110	0.9	< 0.1	0.9	0.2	0.4	0.6
R111	0.8	< 0.1	0.8	0.1	< 0.1	0.1
R112	1.1	< 0.1	1.1	0.2	1.1	1.3
R113	1.0	< 0.1	1.0	0.2	< 0.1	0.2
R114	0.6	< 0.1	0.6	< 0.1	1.4	1.5
R115	0.7	< 0.1	0.7	0.1	0.6	0.7
R116	0.5	< 0.1	0.5	< 0.1	< 0.1	< 0.1
R117	0.6	2.9	3.5	0.1	0.6	0.7
R118	0.8	< 0.1	0.8	0.2	0.1	0.3
R119	0.9	< 0.1	0.9	0.2	< 0.1	0.2
R120	1.0	< 0.1	1.0	0.2	1.1	1.3
R121	0.8	2.9	3.7	0.2	0.8	1.0
R122	0.9	< 0.1	0.9	0.4	< 0.1	0.4
R123	0.8	< 0.1	0.8	0.4	0.5	0.8
R124	0.7	< 0.1	0.7	0.2	0.5	0.7
R125	0.8	< 0.1	0.8	0.4	1.5	1.9
R126	0.6	< 0.1	0.6	0.2	< 0.1	0.2
R127	1.2	2.9	4.1	0.4	0.1	0.6
R128	1.5	< 0.1	1.5	0.5	< 0.1	0.5

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	2.08E-08	1.40E-03	5.05E-04	3.52E-04	1.43E-04
R2	2.56E-08	1.73E-03	6.23E-04	4.34E-04	1.76E-04
R3	2.55E-08	1.72E-03	6.21E-04	4.33E-04	1.75E-04
R4	2.65E-08	1.79E-03	6.44E-04	4.49E-04	1.82E-04
R5	2.37E-08	1.60E-03	5.77E-04	4.02E-04	1.63E-04
R6	2.30E-08	1.56E-03	5.61E-04	3.91E-04	1.58E-04
R7	2.12E-08	1.43E-03	5.16E-04	3.60E-04	1.46E-04
R8	2.03E-08	1.37E-03	4.94E-04	3.44E-04	1.39E-04
R9	1.47E-08	9.94E-04	3.58E-04	2.50E-04	1.01E-04
R10	1.89E-08	1.28E-03	4.61E-04	3.21E-04	1.30E-04
R11	2.11E-08	1.43E-03	5.13E-04	3.58E-04	1.45E-04
R12	2.18E-08	1.47E-03	5.31E-04	3.70E-04	1.50E-04
R13	1.81E-08	1.22E-03	4.39E-04	3.06E-04	1.24E-04
R14	2.00E-08	1.35E-03	4.87E-04	3.40E-04	1.37E-04
R15	1.82E-08	1.23E-03	4.44E-04	3.10E-04	1.25E-04
R16	8.71E-09	5.89E-04	2.12E-04	1.48E-04	5.98E-05
R17	6.42E-09	4.34E-04	1.56E-04	1.09E-04	4.41E-05
R18	6.57E-09	4.44E-04	1.60E-04	1.11E-04	4.51E-05
R19	7.43E-09	5.02E-04	1.81E-04	1.26E-04	5.10E-05
R20	7.06E-09	4.77E-04	1.72E-04	1.20E-04	4.85E-05
R21	6.75E-09	4.56E-04	1.64E-04	1.15E-04	4.63E-05
R22	6.53E-09	4.41E-04	1.59E-04	1.11E-04	4.48E-05
R23	6.51E-09	4.40E-04	1.59E-04	1.11E-04	4.47E-05
R24	6.29E-09	4.25E-04	1.53E-04	1.07E-04	4.32E-05
R25	5.83E-09	3.94E-04	1.42E-04	9.90E-05	4.01E-05
R26	5.18E-09	3.50E-04	1.26E-04	8.80E-05	3.56E-05
R27	3.84E-09	2.60E-04	9.34E-05	6.52E-05	2.64E-05
R28	7.15E-09	4.83E-04	1.74E-04	1.21E-04	4.91E-05
R29	7.03E-09	4.75E-04	1.71E-04	1.19E-04	4.83E-05
R30	6.56E-09	4.43E-04	1.60E-04	1.11E-04	4.50E-05
R31	8.55E-09	5.78E-04	2.08E-04	1.45E-04	5.87E-05
R32	6.06E-09	4.10E-04	1.48E-04	1.03E-04	4.16E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	5.30E-09	3.58E-04	1.29E-04	9.00E-05	3.64E-05
R34	5.35E-09	3.62E-04	1.30E-04	9.08E-05	3.67E-05
R35	5.99E-09	4.05E-04	1.46E-04	1.02E-04	4.12E-05
R36	6.20E-09	4.19E-04	1.51E-04	1.05E-04	4.26E-05
R37	6.41E-09	4.34E-04	1.56E-04	1.09E-04	4.41E-05
R38	1.91E-08	1.29E-03	4.64E-04	3.24E-04	1.31E-04
R39	1.05E-08	7.09E-04	2.55E-04	1.78E-04	7.21E-05
R40	2.18E-08	1.47E-03	5.30E-04	3.69E-04	1.49E-04
R41	2.11E-08	1.42E-03	5.13E-04	3.57E-04	1.45E-04
R42	1.58E-08	1.07E-03	3.84E-04	2.68E-04	1.08E-04
R43	1.33E-08	8.98E-04	3.23E-04	2.25E-04	9.12E-05
R44	1.85E-08	1.25E-03	4.51E-04	3.14E-04	1.27E-04
R45	1.59E-08	1.07E-03	3.87E-04	2.70E-04	1.09E-04
R46	1.21E-08	8.15E-04	2.94E-04	2.05E-04	8.28E-05
R47	1.24E-08	8.42E-04	3.03E-04	2.11E-04	8.55E-05
R48	1.34E-08	9.04E-04	3.25E-04	2.27E-04	9.18E-05
R49	1.35E-08	9.14E-04	3.29E-04	2.29E-04	9.28E-05
R50	1.23E-08	8.32E-04	2.99E-04	2.09E-04	8.45E-05
R51	8.75E-09	5.92E-04	2.13E-04	1.49E-04	6.01E-05
R52	8.18E-09	5.53E-04	1.99E-04	1.39E-04	5.62E-05
R53	8.16E-09	5.52E-04	1.99E-04	1.39E-04	5.61E-05
R54	6.54E-09	4.42E-04	1.59E-04	1.11E-04	4.49E-05
R55	8.02E-09	5.42E-04	1.95E-04	1.36E-04	5.51E-05
R56	7.89E-09	5.34E-04	1.92E-04	1.34E-04	5.42E-05
R57	7.66E-09	5.18E-04	1.87E-04	1.30E-04	5.26E-05
R58	8.50E-09	5.75E-04	2.07E-04	1.44E-04	5.84E-05
R59	9.37E-09	6.34E-04	2.28E-04	1.59E-04	6.44E-05
R60	9.36E-09	6.33E-04	2.28E-04	1.59E-04	6.43E-05
R61	9.59E-09	6.48E-04	2.33E-04	1.63E-04	6.59E-05
R62	8.85E-09	5.98E-04	2.15E-04	1.50E-04	6.08E-05
R63	9.00E-09	6.09E-04	2.19E-04	1.53E-04	6.18E-05
R64	7.82E-09	5.29E-04	1.90E-04	1.33E-04	5.37E-05
R65	1.01E-08	6.84E-04	2.46E-04	1.72E-04	6.95E-05
R66	9.97E-09	6.74E-04	2.43E-04	1.69E-04	6.85E-05
R67	8.58E-09	5.80E-04	2.09E-04	1.46E-04	5.90E-05
R68	6.21E-09	4.20E-04	1.51E-04	1.05E-04	4.27E-05
R69	5.69E-09	3.85E-04	1.39E-04	9.66E-05	3.91E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	8.09E-09	5.47E-04	1.97E-04	1.37E-04	5.56E-05
R71	1.07E-08	7.21E-04	2.60E-04	1.81E-04	7.32E-05
R72	1.18E-08	7.96E-04	2.87E-04	2.00E-04	8.09E-05
R73	1.36E-08	9.18E-04	3.31E-04	2.30E-04	9.33E-05
R74	1.25E-08	8.45E-04	3.04E-04	2.12E-04	8.58E-05
R75	8.95E-09	6.05E-04	2.18E-04	1.52E-04	6.15E-05
R76	8.04E-09	5.43E-04	1.96E-04	1.36E-04	5.52E-05
R77	9.25E-09	6.26E-04	2.25E-04	1.57E-04	6.35E-05
R78	1.01E-08	6.85E-04	2.47E-04	1.72E-04	6.96E-05
R79	8.97E-09	6.06E-04	2.18E-04	1.52E-04	6.16E-05
R80	5.72E-09	3.87E-04	1.39E-04	9.71E-05	3.93E-05
R81	8.94E-09	6.04E-04	2.18E-04	1.52E-04	6.14E-05
R82	9.82E-09	6.64E-04	2.39E-04	1.67E-04	6.75E-05
R83	9.57E-09	6.47E-04	2.33E-04	1.62E-04	6.57E-05
R84	1.06E-08	7.14E-04	2.57E-04	1.79E-04	7.25E-05
R85	7.98E-09	5.40E-04	1.94E-04	1.35E-04	5.48E-05
R86	8.69E-09	5.87E-04	2.11E-04	1.47E-04	5.97E-05
R87	8.45E-09	5.71E-04	2.06E-04	1.43E-04	5.80E-05
R88	8.17E-09	5.52E-04	1.99E-04	1.39E-04	5.61E-05
R89	7.59E-09	5.13E-04	1.85E-04	1.29E-04	5.21E-05
R90	6.68E-09	4.52E-04	1.63E-04	1.13E-04	4.59E-05
R91	7.81E-09	5.28E-04	1.90E-04	1.33E-04	5.37E-05
R92	7.11E-09	4.81E-04	1.73E-04	1.21E-04	4.88E-05
R93	8.35E-09	5.65E-04	2.03E-04	1.42E-04	5.74E-05
R94	8.25E-09	5.58E-04	2.01E-04	1.40E-04	5.67E-05
R95	7.70E-09	5.20E-04	1.87E-04	1.31E-04	5.29E-05
R96	6.67E-09	4.51E-04	1.62E-04	1.13E-04	4.58E-05
R97	7.32E-09	4.95E-04	1.78E-04	1.24E-04	5.03E-05
R98	6.17E-09	4.17E-04	1.50E-04	1.05E-04	4.24E-05
R99	7.06E-09	4.77E-04	1.72E-04	1.20E-04	4.85E-05
R100	6.75E-09	4.56E-04	1.64E-04	1.15E-04	4.63E-05
R101	5.58E-09	3.77E-04	1.36E-04	9.47E-05	3.83E-05
R102	6.85E-09	4.63E-04	1.67E-04	1.16E-04	4.71E-05
R103	5.85E-09	3.95E-04	1.42E-04	9.92E-05	4.01E-05
R104	5.20E-09	3.52E-04	1.27E-04	8.83E-05	3.57E-05
R105	3.91E-09	2.64E-04	9.51E-05	6.63E-05	2.68E-05
R106	5.29E-09	3.58E-04	1.29E-04	8.99E-05	3.64E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	6.26E-09	4.23E-04	1.52E-04	1.06E-04	4.30E-05
R108	8.50E-09	5.75E-04	2.07E-04	1.44E-04	5.84E-05
R109	8.43E-09	5.70E-04	2.05E-04	1.43E-04	5.79E-05
R110	6.99E-09	4.73E-04	1.70E-04	1.19E-04	4.80E-05
R111	6.73E-09	4.55E-04	1.64E-04	1.14E-04	4.62E-05
R112	7.74E-09	5.24E-04	1.88E-04	1.31E-04	5.32E-05
R113	7.76E-09	5.25E-04	1.89E-04	1.32E-04	5.33E-05
R114	5.11E-09	3.46E-04	1.24E-04	8.68E-05	3.51E-05
R115	5.16E-09	3.49E-04	1.26E-04	8.77E-05	3.55E-05
R116	3.41E-09	2.30E-04	8.29E-05	5.78E-05	2.34E-05
R117	4.35E-09	2.94E-04	1.06E-04	7.38E-05	2.99E-05
R118	6.58E-09	4.45E-04	1.60E-04	1.12E-04	4.52E-05
R119	7.53E-09	5.09E-04	1.83E-04	1.28E-04	5.17E-05
R120	6.73E-09	4.55E-04	1.64E-04	1.14E-04	4.63E-05
R121	6.03E-09	4.07E-04	1.47E-04	1.02E-04	4.14E-05
R122	7.35E-09	4.97E-04	1.79E-04	1.25E-04	5.05E-05
R123	7.84E-09	5.30E-04	1.91E-04	1.33E-04	5.38E-05
R124	6.02E-09	4.07E-04	1.47E-04	1.02E-04	4.14E-05
R125	6.84E-09	4.63E-04	1.67E-04	1.16E-04	4.70E-05
R126	4.64E-09	3.14E-04	1.13E-04	7.88E-05	3.19E-05
R127	9.07E-09	6.14E-04	2.21E-04	1.54E-04	6.23E-05
R128	9.57E-09	6.47E-04	2.33E-04	1.62E-04	6.57E-05
Max. at boundary	3.22E-08	2.18E-03	–	–	2.21E-04

Nitrogen dioxide (NO₂)

Maximum 1-hour concentrations (µg·m⁻³).

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
Criterion			164
R1	3 312.6	10.2	3 322.8
R2	3 337.5	12.3	3 349.8
R3	2 986.1	12.3	2 998.4
R4	3 371.2	12.3	3 383.5
R5	2 454.6	8.2	2 462.8
R6	3 616.7	12.3	3 629.0
R7	2 065.4	12.3	2 077.7
R8	1 988.5	12.3	2 000.8
R9	1 936.2	10.2	1 946.5
R10	2 429.8	10.2	2 440.1
R11	1 880.6	10.2	1 890.9
R12	2 791.4	8.2	2 799.6
R13	2 948.5	8.2	2 956.7
R14	3 250.5	4.1	3 254.6
R15	1 851.0	10.2	1 861.2
R16	1 475.2	2.0	1 477.3
R17	1 752.3	2.0	1 754.4
R18	1 691.0	2.0	1 693.0
R19	1 186.4	< 0.1	1 186.4
R20	1 288.4	2.0	1 290.5
R21	1 283.2	2.0	1 285.3
R22	1 084.9	8.2	1 093.1
R23	1 174.5	2.0	1 176.5
R24	1 127.2	2.0	1 129.2
R25	1 056.8	10.2	1 067.0
R26	1 026.0	10.2	1 036.2
R27	698.9	10.2	709.2
R28	1 185.5	10.2	1 195.8
R29	1 164.4	8.2	1 172.6
R30	1 100.2	2.0	1 102.3

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R31	1 122.5	8.2	1 130.7
R32	1 114.2	10.2	1 124.4
R33	1 008.7	10.2	1 018.9
R34	1 024.8	10.2	1 035.1
R35	1 024.2	2.0	1 026.3
R36	1 619.7	2.0	1 621.8
R37	1 650.1	2.0	1 652.1
R38	2 056.5	2.0	2 058.6
R39	1 000.8	34.9	1 035.7
R40	1 842.4	34.9	1 877.2
R41	4 711.0	12.3	4 723.3
R42	2 453.5	6.1	2 459.6
R43	1 489.4	12.3	1 501.7
R44	1 690.7	12.3	1 703.0
R45	1 700.6	12.3	1 712.9
R46	1 033.4	10.2	1 043.7
R47	1 387.0	8.2	1 395.2
R48	1 620.1	8.2	1 628.3
R49	1 965.6	12.3	1 977.9
R50	1 423.4	10.2	1 433.6
R51	1 215.7	8.2	1 223.9
R52	1 525.8	12.3	1 538.1
R53	1 230.8	< 0.1	1 230.8
R54	1 144.3	10.2	1 154.6
R55	1 176.3	2.0	1 178.3
R56	1 343.6	10.2	1 353.8
R57	1 019.4	10.2	1 029.7
R58	1 103.8	6.1	1 110.0
R59	1 561.9	6.1	1 568.1
R60	1 239.1	6.1	1 245.3
R61	1 192.9	12.3	1 205.2
R62	1 370.1	4.1	1 374.2
R63	971.1	6.1	977.3
R64	1 059.9	8.2	1 068.1
R65	1 376.1	2.0	1 378.2

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R66	1 562.0	< 0.1	1 562.0
R67	1 066.2	6.1	1 072.4
R68	890.3	4.1	894.4
R69	739.8	4.1	743.9
R70	786.4	4.1	790.5
R71	1 369.8	10.2	1 380.1
R72	1 709.3	10.2	1 719.6
R73	1 852.3	10.2	1 862.5
R74	1 394.7	12.3	1 407.0
R75	1 159.5	< 0.1	1 159.5
R76	1 223.1	< 0.1	1 223.1
R77	1 592.3	4.1	1 596.4
R78	1 547.2	4.1	1 551.3
R79	1 216.6	12.3	1 228.9
R80	889.9	10.2	900.2
R81	1 551.3	6.1	1 557.5
R82	1 440.9	16.4	1 457.3
R83	1 828.6	22.6	1 851.2
R84	1 408.7	4.1	1 412.8
R85	1 726.2	4.1	1 730.3
R86	1 735.3	4.1	1 739.4
R87	1 417.9	10.2	1 428.1
R88	1 067.8	12.3	1 080.1
R89	1 035.3	14.3	1 049.6
R90	1 090.9	8.2	1 099.1
R91	1 363.9	10.2	1 374.1
R92	1 070.7	8.2	1 078.9
R93	1 253.3	12.3	1 265.6
R94	1 385.6	4.1	1 389.7
R95	1 193.2	12.3	1 205.5
R96	1 229.7	8.2	1 237.9
R97	1 462.4	12.3	1 474.7
R98	1 079.6	2.0	1 081.6
R99	1 435.2	2.0	1 437.2
R100	1 124.9	6.1	1 131.1

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R101	1 083.0	8.2	1 091.2
R102	1 166.6	2.0	1 168.7
R103	1 073.2	< 0.1	1 073.2
R104	1 038.0	10.2	1 048.3
R105	620.7	4.1	624.8
R106	872.5	10.2	882.7
R107	990.0	6.1	996.2
R108	1 472.5	< 0.1	1 472.5
R109	1 433.2	2.0	1 435.3
R110	1 322.7	< 0.1	1 322.7
R111	1 076.6	4.1	1 080.7
R112	1 483.7	2.0	1 485.8
R113	1 581.0	2.0	1 583.1
R114	907.1	6.1	913.3
R115	943.2	6.1	949.4
R116	696.7	10.2	706.9
R117	909.9	4.1	914.0
R118	1 263.5	2.0	1 265.5
R119	1 000.7	2.0	1 002.7
R120	1 622.4	2.0	1 624.5
R121	1 024.6	20.5	1 045.1
R122	1 153.4	10.2	1 163.6
R123	1 212.7	< 0.1	1 212.7
R124	1 017.7	< 0.1	1 017.7
R125	1 189.0	< 0.1	1 189.0
R126	1 083.4	< 0.1	1 083.4
R127	1 198.9	10.2	1 209.2
R128	1 388.6	12.3	1 400.9

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	25 648.1	27/09/2021 06:00	2 564.8	0.16	1.09	0.635	0.1	0.03	3 312.6	10.2	3 322.8
R2	28 192.8	02/10/2021 06:00	2 819.3	0.62	< 0.1	0.635	0.1	0.02	3 337.5	12.3	3 349.8
R3	24 616.4	02/10/2021 06:00	2 461.6	0.62	< 0.1	0.635	0.1	0.02	2 986.1	12.3	2 998.4
R4	28 543.2	02/10/2021 06:00	2 854.3	0.62	< 0.1	0.635	0.1	0.02	3 371.2	12.3	3 383.5
R5	18 725.8	29/04/2021 07:00	1 872.6	0.34	< 0.1	0.635	0.1	0.03	2 454.6	8.2	2 462.8
R6	28 294.1	02/10/2021 06:00	2 829.4	0.62	< 0.1	0.635	0.1	0.03	3 616.7	12.3	3 629.0
R7	14 238.5	02/10/2021 06:00	1 423.9	0.62	< 0.1	0.635	0.1	0.05	2 065.4	12.3	2 077.7
R8	13 019.0	25/09/2021 06:00	1 301.9	0.53	4.36	0.635	0.1	0.06	1 988.5	12.3	2 000.8
R9	13 182.2	27/09/2021 06:00	1 318.2	0.16	1.09	0.635	0.1	0.05	1 936.2	10.2	1 946.5
R10	17 459.5	27/09/2021 06:00	1 745.9	0.16	1.09	0.635	0.1	0.04	2 429.8	10.2	2 440.1
R11	13 671.8	27/09/2021 06:00	1 367.2	0.16	1.09	0.635	0.1	0.04	1 880.6	10.2	1 890.9
R12	24 702.7	19/08/2021 07:00	2 470.3	0.16	4.36	0.49	0.05	0.01	2 791.4	8.2	2 799.6
R13	26 060.6	19/08/2021 07:00	2 606.1	0.16	4.36	0.49	0.05	0.01	2 948.5	8.2	2 956.7
R14	30 386.3	20/08/2021 07:00	3 038.6	< 0.1	1.09	0.49	0.05	0.01	3 250.5	4.1	3 254.6
R15	16 291.6	16/06/2021 08:00	1 629.2	0.19	< 0.1	0.49	0.05	0.02	1 851.0	10.2	1 861.2
R16	4 172.2	12/09/2021 17:00	417.2	3.62	45.78	0.85	0.1	0.28	1 475.2	2.0	1 477.3
R17	4 339.4	15/11/2021 04:00	433.9	2.57	22.89	0.74	0.1	0.34	1 752.3	2.0	1 754.4
R18	4 223.0	15/11/2021 04:00	422.3	2.57	22.89	0.74	0.1	0.33	1 691.0	2.0	1 693.0
R19	4 547.8	02/01/2021 05:00	454.8	1.04	6.54	0.67	0.1	0.18	1 186.4	< 0.1	1 186.4
R20	4 455.5	14/09/2021 06:00	445.5	2.12	25.07	0.74	0.1	0.21	1 288.4	2.0	1 290.5
R21	4 281.9	14/09/2021 06:00	428.2	2.12	25.07	0.74	0.1	0.22	1 283.2	2.0	1 285.3
R22	3 237.1	20/05/2021 17:00	323.7	1.16	22.89	0.74	0.1	0.26	1 084.9	8.2	1 093.1
R23	3 357.7	21/09/2021 17:00	335.8	2.19	32.70	0.8	0.1	0.28	1 174.5	2.0	1 176.5
R24	3 157.5	21/09/2021 17:00	315.7	2.19	32.70	0.8	0.1	0.29	1 127.2	2.0	1 129.2
R25	3 102.0	22/12/2021 01:00	310.2	1.13	37.61	0.74	0.1	0.27	1 056.8	10.2	1 067.0
R26	2 939.3	22/12/2021 00:00	293.9	1.77	37.61	0.74	0.1	0.28	1 026.0	10.2	1 036.2
R27	2 135.0	19/12/2021 20:00	213.5	2.07	37.61	0.74	0.1	0.25	698.9	10.2	709.2
R28	3 864.9	16/12/2021 05:00	386.5	1.29	37.61	0.74	0.1	0.23	1 185.5	10.2	1 195.8
R29	3 734.8	20/05/2021 17:00	373.5	1.16	22.89	0.74	0.1	0.24	1 164.4	8.2	1 172.6
R30	3 512.7	14/09/2021 06:00	351.3	2.12	25.07	0.74	0.1	0.24	1 100.2	2.0	1 102.3
R31	4 757.7	06/09/2021 17:00	475.8	1.76	30.52	0.8	0.1	0.15	1 122.5	8.2	1 130.7
R32	3 779.4	22/12/2021 00:00	377.9	1.77	37.61	0.74	0.1	0.22	1 114.2	10.2	1 124.4

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	2 864.9	22/12/2021 01:00	286.5	1.13	37.61	0.74	0.1	0.28	1 008.7	10.2	1 018.9
R34	2 923.8	22/12/2021 01:00	292.4	1.13	37.61	0.74	0.1	0.28	1 024.8	10.2	1 035.1
R35	3 025.8	21/11/2021 05:00	302.6	1.53	20.71	0.74	0.1	0.26	1 024.2	2.0	1 026.3
R36	4 166.8	15/11/2021 04:00	416.7	2.57	22.89	0.74	0.1	0.32	1 619.7	2.0	1 621.8
R37	4 183.0	15/11/2021 04:00	418.3	2.57	22.89	0.74	0.1	0.33	1 650.1	2.0	1 652.1
R38	11 664.5	14/04/2021 17:00	1 166.5	2.57	28.34	0.74	0.1	0.08	2 056.5	2.0	2 058.6
R39	7 456.8	16/08/2021 07:00	745.7	0.22	1.09	0.49	0.05	0.04	1 000.8	34.9	1 035.7
R40	16 439.5	16/08/2021 07:00	1 643.9	0.22	1.09	0.49	0.05	0.01	1 842.4	34.9	1 877.2
R41	34 544.2	02/10/2021 06:00	3 454.4	0.62	< 0.1	0.635	0.1	0.04	4 711.0	12.3	4 723.3
R42	15 202.8	03/10/2021 06:00	1 520.3	0.13	< 0.1	0.635	0.1	0.07	2 453.5	6.1	2 459.6
R43	8 153.0	25/09/2021 06:00	815.3	0.53	4.36	0.635	0.1	0.09	1 489.4	12.3	1 501.7
R44	10 266.1	10/02/2021 18:00	1 026.6	2.15	15.26	0.67	0.1	0.07	1 690.7	12.3	1 703.0
R45	9 702.8	10/02/2021 18:00	970.3	2.15	15.26	0.67	0.1	0.08	1 700.6	12.3	1 712.9
R46	5 670.0	21/12/2021 23:00	567.0	2.45	37.61	0.74	0.1	0.09	1 033.4	10.2	1 043.7
R47	8 791.3	30/04/2021 07:00	879.1	0.29	< 0.1	0.635	0.1	0.06	1 387.0	8.2	1 395.2
R48	10 454.7	29/04/2021 07:00	1 045.5	0.34	< 0.1	0.635	0.1	0.06	1 620.1	8.2	1 628.3
R49	11 272.0	25/09/2021 06:00	1 127.2	0.53	4.36	0.635	0.1	0.08	1 965.6	12.3	1 977.9
R50	7 428.4	20/12/2021 05:00	742.8	0.77	37.61	0.74	0.1	0.10	1 423.4	10.2	1 433.6
R51	5 905.7	10/02/2021 06:00	590.6	1.29	1.09	0.67	0.1	0.12	1 215.7	8.2	1 223.9
R52	6 500.0	25/09/2021 06:00	650.0	0.53	4.36	0.635	0.1	0.15	1 525.8	12.3	1 538.1
R53	5 397.1	02/01/2021 05:00	539.7	1.04	6.54	0.67	0.1	0.14	1 230.8	< 0.1	1 230.8
R54	4 407.4	22/12/2021 00:00	440.7	1.77	37.61	0.74	0.1	0.18	1 144.3	10.2	1 154.6
R55	4 359.8	21/09/2021 17:00	436.0	2.19	32.70	0.8	0.1	0.19	1 176.3	2.0	1 178.3
R56	5 018.0	16/12/2021 05:00	501.8	1.29	37.61	0.74	0.1	0.19	1 343.6	10.2	1 353.8
R57	4 234.4	21/12/2021 23:00	423.4	2.45	37.61	0.74	0.1	0.16	1 019.4	10.2	1 029.7
R58	4 459.1	22/11/2021 18:00	445.9	2.59	20.71	0.74	0.1	0.16	1 103.8	6.1	1 110.0
R59	6 588.9	16/11/2021 18:00	658.9	2.27	27.25	0.74	0.1	0.15	1 561.9	6.1	1 568.1
R60	3 939.7	18/01/2021 18:00	394.0	2.27	49.05	0.81	0.15	0.24	1 239.1	6.1	1 245.3
R61	5 431.6	03/02/2021 18:00	543.2	2.28	19.62	0.67	0.1	0.13	1 192.9	12.3	1 205.2
R62	6 515.7	01/05/2021 07:00	651.6	0.18	< 0.1	0.635	0.1	0.12	1 370.1	4.1	1 374.2
R63	5 300.9	09/04/2021 07:00	530.1	0.45	< 0.1	0.635	0.1	0.09	971.1	6.1	977.3
R64	3 846.6	08/10/2021 17:00	384.7	2.19	38.15	0.8	0.1	0.20	1 059.9	8.2	1 068.1
R65	4 680.4	15/11/2021 04:00	468.0	2.57	22.89	0.74	0.1	0.22	1 376.1	2.0	1 378.2
R66	6 030.6	25/07/2021 06:00	603.1	3.83	32.70	0.87	0.07	0.18	1 562.0	< 0.1	1 562.0
R67	3 959.8	14/04/2021 19:00	396.0	1.07	23.98	0.74	0.1	0.19	1 066.2	6.1	1 072.4
R68	3 974.7	20/04/2021 07:00	397.5	< 0.1	< 0.1	0.635	0.1	0.14	890.3	4.1	894.4

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	3 324.7	14/04/2021 07:00	332.5	< 0.1	< 0.1	0.635	0.1	0.14	739.8	4.1	743.9
R70	3 943.4	14/04/2021 07:00	394.3	< 0.1	< 0.1	0.635	0.1	0.11	786.4	4.1	790.5
R71	8 179.8	12/02/2021 06:00	818.0	0.23	< 0.1	0.67	0.1	0.07	1 369.8	10.2	1 380.1
R72	9 737.1	12/02/2021 06:00	973.7	0.23	< 0.1	0.67	0.1	0.08	1 709.3	10.2	1 719.6
R73	11 196.0	19/12/2021 05:00	1 119.6	0.64	37.61	0.74	0.1	0.07	1 852.3	10.2	1 862.5
R74	7 263.3	04/08/2021 07:00	726.3	1.88	25.07	0.83	0.07	0.10	1 394.7	12.3	1 407.0
R75	4 691.4	26/06/2021 16:00	469.1	1.73	29.43	0.83	0.07	0.16	1 159.5	< 0.1	1 159.5
R76	4 064.0	05/10/2021 20:00	406.4	2.56	31.61	0.8	0.1	0.22	1 223.1	< 0.1	1 223.1
R77	7 733.1	01/05/2021 07:00	773.3	0.18	< 0.1	0.635	0.1	0.12	1 592.3	4.1	1 596.4
R78	7 236.8	03/01/2021 06:00	723.7	< 0.1	2.18	0.67	0.1	0.13	1 547.2	4.1	1 551.3
R79	5 280.6	03/02/2021 18:00	528.1	2.28	19.62	0.67	0.1	0.14	1 216.6	12.3	1 228.9
R80	3 073.5	19/12/2021 05:00	307.4	0.64	37.61	0.74	0.1	0.21	889.9	10.2	900.2
R81	6 487.9	19/02/2021 18:00	648.8	2.10	14.17	0.67	0.1	0.15	1 551.3	6.1	1 557.5
R82	6 037.2	14/12/2021 18:00	603.7	1.85	22.35	0.67	0.1	0.15	1 440.9	16.4	1 457.3
R83	6 593.3	01/09/2021 17:00	659.3	1.60	33.79	0.8	0.1	0.20	1 828.6	22.6	1 851.2
R84	5 239.0	28/03/2021 17:00	523.9	2.05	32.70	0.8	0.1	0.19	1 408.7	4.1	1 412.8
R85	7 401.1	03/01/2021 06:00	740.1	< 0.1	2.18	0.67	0.1	0.15	1 726.2	4.1	1 730.3
R86	7 713.3	03/01/2021 06:00	771.3	< 0.1	2.18	0.67	0.1	0.14	1 735.3	4.1	1 739.4
R87	4 185.6	02/12/2021 18:00	418.6	1.73	42.51	0.81	0.15	0.27	1 417.9	10.2	1 428.1
R88	2 507.8	12/01/2021 18:00	250.8	2.08	65.40	0.88	0.2	0.36	1 067.8	12.3	1 080.1
R89	2 918.0	12/01/2021 19:00	291.8	1.80	53.41	0.81	0.15	0.28	1 035.3	14.3	1 049.6
R90	3 514.1	08/10/2021 17:00	351.4	2.19	38.15	0.8	0.1	0.23	1 090.9	8.2	1 099.1
R91	3 769.5	02/12/2021 18:00	377.0	1.73	42.51	0.81	0.15	0.29	1 363.9	10.2	1 374.1
R92	3 641.5	08/10/2021 17:00	364.1	2.19	38.15	0.8	0.1	0.22	1 070.7	8.2	1 078.9
R93	5 056.1	03/02/2021 18:00	505.6	2.28	19.62	0.67	0.1	0.16	1 253.3	12.3	1 265.6
R94	5 438.5	03/01/2021 06:00	543.8	< 0.1	2.18	0.67	0.1	0.17	1 385.6	4.1	1 389.7
R95	4 431.6	10/02/2021 20:00	443.2	1.42	10.90	0.67	0.1	0.19	1 193.2	12.3	1 205.5
R96	4 790.5	02/03/2021 06:00	479.1	0.83	2.18	0.635	0.1	0.17	1 229.7	8.2	1 237.9
R97	5 511.6	25/09/2021 06:00	551.2	0.53	4.36	0.635	0.1	0.18	1 462.4	12.3	1 474.7
R98	3 549.8	14/09/2021 06:00	355.0	2.12	25.07	0.74	0.1	0.23	1 079.6	2.0	1 081.6
R99	5 406.4	29/12/2021 05:00	540.6	1.11	4.36	0.67	0.1	0.18	1 435.2	2.0	1 437.2
R100	4 289.9	02/02/2021 18:00	429.0	2.02	18.53	0.67	0.1	0.18	1 124.9	6.1	1 131.1
R101	3 787.8	02/03/2021 06:00	378.8	0.83	2.18	0.635	0.1	0.21	1 083.0	8.2	1 091.2
R102	3 722.4	21/09/2021 17:00	372.2	2.19	32.70	0.8	0.1	0.24	1 166.6	2.0	1 168.7
R103	3 603.6	02/01/2021 05:00	360.4	1.04	6.54	0.67	0.1	0.22	1 073.2	< 0.1	1 073.2
R104	3 044.0	22/12/2021 00:00	304.4	1.77	37.61	0.74	0.1	0.27	1 038.0	10.2	1 048.3

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	2 305.4	18/10/2021 06:00	230.5	0.40	1.09	0.635	0.1	0.19	620.7	4.1	624.8
R106	2 966.6	19/12/2021 20:00	296.7	2.07	37.61	0.74	0.1	0.22	872.5	10.2	882.7
R107	3 342.2	09/09/2021 21:00	334.2	1.64	35.97	0.8	0.1	0.22	990.0	6.1	996.2
R108	5 210.7	25/07/2021 04:00	521.1	2.94	30.52	0.87	0.07	0.20	1 472.5	< 0.1	1 472.5
R109	4 517.7	13/11/2021 22:00	451.8	2.01	20.71	0.74	0.1	0.24	1 433.2	2.0	1 435.3
R110	4 057.0	25/07/2021 17:00	405.7	3.06	32.70	0.87	0.07	0.25	1 322.7	< 0.1	1 322.7
R111	3 528.5	13/11/2021 00:00	352.9	3.36	21.80	0.74	0.1	0.23	1 076.6	4.1	1 080.7
R112	4 449.3	15/11/2021 03:00	444.9	2.50	22.89	0.74	0.1	0.26	1 483.7	2.0	1 485.8
R113	4 324.0	19/09/2021 18:00	432.4	2.00	32.70	0.8	0.1	0.30	1 581.0	2.0	1 583.1
R114	2 443.9	09/09/2021 20:00	244.4	2.59	38.15	0.8	0.1	0.30	907.1	6.1	913.3
R115	2 754.4	09/09/2021 22:00	275.4	0.59	34.88	0.8	0.1	0.27	943.2	6.1	949.4
R116	2 065.9	19/12/2021 20:00	206.6	2.07	37.61	0.74	0.1	0.26	696.7	10.2	706.9
R117	2 748.4	28/07/2021 18:00	274.8	3.14	29.43	0.83	0.07	0.26	909.9	4.1	914.0
R118	3 008.8	12/09/2021 17:00	300.9	3.62	45.78	0.85	0.1	0.36	1 263.5	2.0	1 265.5
R119	3 797.0	13/11/2021 01:00	379.7	3.42	21.80	0.74	0.1	0.18	1 000.7	2.0	1 002.7
R120	4 261.8	15/11/2021 04:00	426.2	2.57	22.89	0.74	0.1	0.31	1 622.4	2.0	1 624.5
R121	3 600.7	29/05/2021 07:00	360.1	1.88	10.90	0.635	0.1	0.21	1 024.6	20.5	1 045.1
R122	3 968.7	14/05/2021 07:00	396.9	0.61	< 0.1	0.635	0.1	0.21	1 153.4	10.2	1 163.6
R123	3 497.7	15/05/2021 19:00	349.8	2.02	27.25	0.74	0.1	0.27	1 212.7	< 0.1	1 212.7
R124	2 668.3	05/10/2021 18:00	266.8	3.80	32.70	0.8	0.1	0.31	1 017.7	< 0.1	1 017.7
R125	3 369.2	26/05/2021 17:00	336.9	1.51	29.43	0.74	0.1	0.28	1 189.0	< 0.1	1 189.0
R126	2 615.3	05/10/2021 20:00	261.5	2.56	31.61	0.8	0.1	0.35	1 083.4	< 0.1	1 083.4
R127	5 336.1	16/12/2021 05:00	533.6	1.29	37.61	0.74	0.1	0.14	1 198.9	10.2	1 209.2
R128	6 759.4	25/09/2021 06:00	675.9	0.53	4.36	0.635	0.1	0.12	1 388.6	12.3	1 400.9

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R41				Highest cumulative PM ₁₀ impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
14/05/2021	138.5	9.5	148.0	14/05/2021	138.5	9.5	148.0
18/07/2021	133.7	5.7	139.4	05/10/2021	133.0	14.0	147.0
05/10/2021	133.0	14.0	147.0	18/07/2021	133.7	5.7	139.4
05/08/2021	126.9	7.8	134.7	05/08/2021	126.9	7.8	134.7
27/05/2021	115.0	9.3	124.3	06/08/2021	112.5	15.4	127.9
16/05/2021	114.1	7.9	122.0	27/05/2021	115.0	9.3	124.3
02/10/2021	113.2	8.0	121.2	23/04/2021	92.7	29.9	122.6
25/08/2021	112.9	5.4	118.3	16/05/2021	114.1	7.9	122.0
06/08/2021	112.5	15.4	127.9	02/10/2021	113.2	8.0	121.2
04/08/2021	112.4	5.6	118.0	25/08/2021	112.9	5.4	118.3

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	123.3	12.3	135.6	21/03/2021	123.3	12.3	135.6
22/03/2021	118.5	5.9	124.4	22/03/2021	118.5	5.9	124.4
19/02/2021	110.2	13.4	123.6	19/02/2021	110.2	13.4	123.6
29/01/2021	93.0	8.2	101.2	10/03/2021	84.9	21.1	106.0
10/03/2021	84.9	21.1	106.0	29/01/2021	93.0	8.2	101.2
02/11/2021	78.2	19.1	97.3	10/02/2021	75.2	23.8	99.0
20/02/2021	75.7	11.4	87.1	02/11/2021	78.2	19.1	97.3
10/02/2021	75.2	23.8	99.0	20/02/2021	75.7	11.4	87.1
09/11/2021	72.2	13.4	85.6	28/02/2021	65.0	21.6	86.6
24/12/2021	69.3	13.5	82.8	09/11/2021	72.2	13.4	85.6

Highest incremental PM ₁₀ impact – Receptor R42				Highest cumulative PM ₁₀ impact – Receptor R42			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
14/05/2021	115.8	9.5	125.3	14/05/2021	115.8	9.5	125.3
18/07/2021	108.8	5.7	114.5	05/08/2021	108.2	7.8	116.0
05/08/2021	108.2	7.8	116.0	18/07/2021	108.8	5.7	114.5
27/05/2021	96.5	9.3	105.8	27/05/2021	96.5	9.3	105.8
25/08/2021	88.2	5.4	93.6	06/08/2021	83.1	15.4	98.5
06/08/2021	83.1	15.4	98.5	23/04/2021	68.0	29.9	97.9
05/07/2021	82.3	10.9	93.2	25/08/2021	88.2	5.4	93.6
11/04/2021	76.5	9.5	86.0	05/07/2021	82.3	10.9	93.2
16/05/2021	73.7	7.9	81.6	11/04/2021	76.5	9.5	86.0
04/06/2021	72.1	8.8	80.9	13/05/2021	71.2	13.2	84.4

Highest incremental PM ₁₀ impact – Receptor R6				Highest cumulative PM ₁₀ impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/08/2021	112.1	7.8	119.9	17/03/2021	108.3	13.5	121.8
14/05/2021	109.1	9.5	118.6	18/03/2021	107.4	9.1	116.5
27/05/2021	108.0	9.3	117.3	19/03/2021	102.2	13.8	116.0
25/08/2021	99.6	5.4	105.0	11/11/2021	101.2	14.5	115.7
18/07/2021	98.4	5.7	104.1	28/01/2021	87.9	16.0	103.9
05/07/2021	97.2	10.9	108.1	20/03/2021	87.5	9.9	97.4
06/08/2021	89.7	15.4	105.1	09/02/2021	77.5	19.8	97.3
04/06/2021	89.1	8.8	97.9	17/02/2021	81.6	14.1	95.7
23/04/2021	86.1	29.9	116.0	06/03/2021	69.6	25.7	95.3
28/05/2021	84.2	14.3	98.5	18/02/2021	81.4	13.9	95.3

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
17/03/2021	108.3	13.5	121.8	02/03/2021	86.3	33.8	120.1
18/03/2021	107.4	9.1	116.5	05/03/2021	84.7	32.7	117.4
19/03/2021	102.2	13.8	116.0	25/09/2021	87.4	27.9	115.3
11/11/2021	101.2	14.5	115.7	06/03/2021	89.6	25.7	115.3
28/01/2021	87.9	16.0	103.9	17/08/2021	93.4	19.9	113.3
20/03/2021	87.5	9.9	97.4	16/04/2021	81.3	29.9	111.2
17/02/2021	81.6	14.1	95.7	19/03/2021	95.5	13.8	109.3
18/02/2021	81.4	13.9	95.3	17/02/2021	94.1	14.1	108.2
09/02/2021	77.5	19.8	97.3	16/12/2021	87.6	20.0	107.5
22/12/2021	76.5	15.1	91.6	08/02/2021	88.2	18.8	107.0

Highest incremental PM ₁₀ impact – Receptor R44				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	107.6	12.3	119.9	06/03/2021	94.3	25.7	120.0
19/02/2021	61.3	13.4	74.7	17/02/2021	105.5	14.1	119.6
09/11/2021	47.2	13.4	60.6	19/03/2021	105.8	13.8	119.6
28/02/2021	42.7	21.6	64.3	17/03/2021	103.3	13.5	116.8
10/02/2021	41.1	23.8	64.9	28/01/2021	100.1	16.0	116.1
10/03/2021	40.8	21.1	61.9	18/03/2021	106.6	9.1	115.7
29/01/2021	40.2	8.2	48.4	09/02/2021	92.8	19.8	112.6
06/04/2021	39.2	22.4	61.6	16/12/2021	90.8	20.0	110.8
17/01/2021	38.7	25.5	64.2	22/11/2021	92.3	18.0	110.3
24/12/2021	37.5	13.5	51.0	27/01/2021	98.9	11.1	110.0

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R44			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
18/03/2021	106.6	9.1	115.7	21/03/2021	107.6	12.3	119.9
19/03/2021	105.8	13.8	119.6	19/02/2021	61.3	13.4	74.7
17/02/2021	105.5	14.1	119.6	10/02/2021	41.1	23.8	64.9
17/03/2021	103.3	13.5	116.8	28/02/2021	42.7	21.6	64.3
28/01/2021	100.1	16.0	116.1	17/01/2021	38.7	25.5	64.2
27/01/2021	98.9	11.1	110.0	10/03/2021	40.8	21.1	61.9
26/12/2021	94.6	14.9	109.5	06/04/2021	39.2	22.4	61.6
06/03/2021	94.3	25.7	120.0	09/11/2021	47.2	13.4	60.6
26/11/2021	94.2	6.4	100.6	04/05/2021	1.2	54.9	56.1
28/12/2021	93.6	10.1	103.7	27/04/2021	18.2	35.4	53.6

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	104.5	12.3	116.8	05/08/2021	112.1	7.8	119.9
11/11/2021	95.7	14.5	110.2	14/05/2021	109.1	9.5	118.6
20/03/2021	88.9	9.9	98.8	27/05/2021	108.0	9.3	117.3
17/03/2021	88.4	13.5	101.9	23/04/2021	86.1	29.9	116.0
12/10/2021	84.6	8.9	93.5	05/07/2021	97.2	10.9	108.1
18/02/2021	78.6	13.9	92.5	06/08/2021	89.7	15.4	105.1
18/03/2021	77.4	9.1	86.5	25/08/2021	99.6	5.4	105.0
21/10/2021	76.9	16.5	93.4	16/01/2021	79.8	25.0	104.8
21/12/2021	76.6	15.9	92.6	18/07/2021	98.4	5.7	104.1
21/02/2021	72.5	9.1	81.6	17/08/2021	82.3	19.9	102.2

Highest incremental PM ₁₀ impact – Receptor R13				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/03/2021	96.3	5.9	102.2	02/03/2021	83.7	33.8	117.5
20/02/2021	74.1	11.4	85.5	05/03/2021	84.3	32.7	117.0
02/11/2021	66.0	19.1	85.1	25/09/2021	88.2	27.9	116.1
02/12/2021	65.2	15.0	80.2	17/08/2021	95.0	19.9	114.9
03/11/2021	64.3	17.8	82.1	06/03/2021	86.8	25.7	112.5
17/12/2021	63.4	19.2	82.6	16/12/2021	88.8	20.0	108.8
29/01/2021	61.8	8.2	70.0	16/04/2021	77.9	29.9	107.8
17/11/2021	61.0	21.5	82.5	08/02/2021	88.3	18.8	107.1
13/01/2021	60.9	19.0	79.9	17/02/2021	91.2	14.1	105.3
05/11/2021	59.6	9.8	69.4	19/01/2021	75.2	30.0	105.2

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	95.5	13.8	109.3	21/03/2021	104.5	12.3	116.8
17/02/2021	94.1	14.1	108.2	11/11/2021	95.7	14.5	110.2
17/08/2021	93.4	19.9	113.3	17/03/2021	88.4	13.5	101.9
27/01/2021	91.2	11.1	102.3	20/03/2021	88.9	9.9	98.8
18/03/2021	90.2	9.1	99.3	27/04/2021	62.1	35.4	97.5
06/03/2021	89.6	25.7	115.3	12/10/2021	84.6	8.9	93.5
28/01/2021	89.2	16.0	105.2	21/10/2021	76.9	16.5	93.4
08/02/2021	88.2	18.8	107.0	14/12/2021	71.1	21.6	92.7
16/12/2021	87.6	20.0	107.5	21/12/2021	76.6	15.9	92.6
08/01/2021	87.5	13.7	101.2	18/02/2021	78.6	13.9	92.5

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R41				Highest cumulative PM _{2.5} impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
14/05/2021	138.5	3.8	142.3	14/05/2021	138.5	3.8	142.3
18/07/2021	133.7	1.6	135.3	05/10/2021	133.0	3.8	136.8
05/10/2021	133.0	3.8	136.8	18/07/2021	133.7	1.6	135.3
05/08/2021	126.9	4.7	131.6	05/08/2021	126.9	4.7	131.6
27/05/2021	115.0	2.4	117.4	06/08/2021	112.5	6.2	118.7
16/05/2021	114.1	3.1	117.2	27/05/2021	115.0	2.4	117.4
02/10/2021	113.2	2.9	116.1	16/05/2021	114.1	3.1	117.2
25/08/2021	112.9	2.9	115.8	02/10/2021	113.2	2.9	116.1
06/08/2021	112.5	6.2	118.7	25/08/2021	112.9	2.9	115.8
04/08/2021	112.4	1.8	114.2	04/08/2021	112.4	1.8	114.2

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	123.3	4.9	128.2	21/03/2021	123.3	4.9	128.2
22/03/2021	118.5	2.4	120.9	22/03/2021	118.5	2.4	120.9
19/02/2021	110.2	2.9	113.1	19/02/2021	110.2	2.9	113.1
29/01/2021	93.0	4.3	97.3	29/01/2021	93.0	4.3	97.3
10/03/2021	84.9	4.9	89.8	10/03/2021	84.9	4.9	89.8
02/11/2021	78.2	3.5	81.7	02/11/2021	78.2	3.5	81.7
20/02/2021	75.7	2.0	77.7	10/02/2021	75.2	6.4	81.6
10/02/2021	75.2	6.4	81.6	20/02/2021	75.7	2.0	77.7
09/11/2021	72.2	4.4	76.6	09/11/2021	72.2	4.4	76.6
24/12/2021	69.3	5.9	75.2	24/12/2021	69.3	5.9	75.2

Highest incremental PM _{2.5} impact – Receptor R42				Highest cumulative PM _{2.5} impact – Receptor R42			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
14/05/2021	115.8	3.8	119.6	14/05/2021	115.8	3.8	119.6
18/07/2021	108.8	1.6	110.4	05/08/2021	108.2	4.7	112.9
05/08/2021	108.2	4.7	112.9	18/07/2021	108.8	1.6	110.4
27/05/2021	96.5	2.4	98.9	27/05/2021	96.5	2.4	98.9
25/08/2021	88.2	2.9	91.1	25/08/2021	88.2	2.9	91.1
06/08/2021	83.1	6.2	89.3	06/08/2021	83.1	6.2	89.3
05/07/2021	82.3	6.2	88.5	05/07/2021	82.3	6.2	88.5
11/04/2021	76.5	3.8	80.3	23/04/2021	68.0	19.5	87.5
16/05/2021	73.7	3.1	76.8	11/04/2021	76.5	3.8	80.3
04/06/2021	72.1	5.7	77.8	04/06/2021	72.1	5.7	77.8

Highest incremental PM _{2.5} impact – Receptor R6				Highest cumulative PM _{2.5} impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/08/2021	112.1	4.7	116.8	05/08/2021	112.1	4.7	116.8
14/05/2021	109.1	3.8	112.9	14/05/2021	109.1	3.8	112.9
27/05/2021	108.0	2.4	110.4	27/05/2021	108.0	2.4	110.4
25/08/2021	99.6	2.9	102.5	23/04/2021	86.1	19.5	105.6
18/07/2021	98.4	1.6	100.0	05/07/2021	97.2	6.2	103.4
05/07/2021	97.2	6.2	103.4	25/08/2021	99.6	2.9	102.5
06/08/2021	89.7	6.2	95.9	18/07/2021	98.4	1.6	100.0
04/06/2021	89.1	5.7	94.8	06/08/2021	89.7	6.2	95.9
23/04/2021	86.1	19.5	105.6	04/06/2021	89.1	5.7	94.8
28/05/2021	84.2	4.9	89.1	16/01/2021	79.8	9.4	89.2

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R44			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
17/03/2021	108.3	3.3	111.6	21/03/2021	107.6	4.9	112.5
18/03/2021	107.4	2.5	109.9	19/02/2021	61.3	2.9	64.3
19/03/2021	102.2	2.9	105.1	09/11/2021	47.2	4.4	51.6
11/11/2021	101.2	3.6	104.8	28/02/2021	42.7	7.8	50.5
28/01/2021	87.9	8.3	96.2	10/02/2021	41.1	6.4	47.5
20/03/2021	87.5	1.5	89.0	06/04/2021	39.2	7.1	46.3
17/02/2021	81.6	4.8	86.4	17/01/2021	38.7	7.2	45.9
18/02/2021	81.4	3.9	85.2	10/03/2021	40.8	4.9	45.7
09/02/2021	77.5	8.3	85.8	29/01/2021	40.2	4.3	44.5
22/12/2021	76.5	4.4	80.9	24/12/2021	37.5	5.9	43.4

Highest incremental PM _{2.5} impact – Receptor R44				Highest cumulative PM _{2.5} impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	107.6	4.9	112.5	17/03/2021	108.3	3.3	111.6
19/02/2021	61.3	2.9	64.3	18/03/2021	107.4	2.5	109.9
09/11/2021	47.2	4.4	51.6	19/03/2021	102.2	2.9	105.1
28/02/2021	42.7	7.8	50.5	11/11/2021	101.2	3.6	104.8
10/02/2021	41.1	6.4	47.5	28/01/2021	87.9	8.3	96.2
10/03/2021	40.8	4.9	45.7	20/03/2021	87.5	1.5	89.0
29/01/2021	40.2	4.3	44.5	17/02/2021	81.6	4.8	86.4
06/04/2021	39.2	7.1	46.3	09/02/2021	77.5	8.3	85.8
17/01/2021	38.7	7.2	45.9	18/02/2021	81.4	3.9	85.2
24/12/2021	37.5	5.9	43.4	22/12/2021	76.5	4.4	80.9

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
18/03/2021	106.6	2.5	109.1	17/02/2021	105.5	4.8	110.3
19/03/2021	105.8	2.9	108.7	18/03/2021	106.6	2.5	109.1
17/02/2021	105.5	4.8	110.3	19/03/2021	105.8	2.9	108.7
17/03/2021	103.3	3.3	106.6	28/01/2021	100.1	8.3	108.4
28/01/2021	100.1	8.3	108.4	17/03/2021	103.3	3.3	106.6
27/01/2021	98.9	7.0	105.9	27/01/2021	98.9	7.0	105.9
26/12/2021	94.6	5.8	100.4	06/03/2021	94.3	6.9	101.2
06/03/2021	94.3	6.9	101.2	09/02/2021	92.8	8.3	101.1
26/11/2021	94.2	1.9	96.1	26/12/2021	94.6	5.8	100.4
28/12/2021	93.6	1.2	94.8	16/12/2021	90.8	6.6	97.4

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	104.5	4.9	109.4	21/03/2021	104.5	4.9	109.4
11/11/2021	95.7	3.6	99.3	11/11/2021	95.7	3.6	99.3
20/03/2021	88.9	1.5	90.4	17/03/2021	88.4	3.3	91.7
17/03/2021	88.4	3.3	91.7	20/03/2021	88.9	1.5	90.4
12/10/2021	84.6	3.5	88.1	12/10/2021	84.6	3.5	88.1
18/02/2021	78.6	3.9	82.5	18/02/2021	78.6	3.9	82.5
18/03/2021	77.4	2.5	79.9	21/10/2021	76.9	4.7	81.6
21/10/2021	76.9	4.7	81.6	21/12/2021	76.6	3.7	80.3
21/12/2021	76.6	3.7	80.3	18/03/2021	77.4	2.5	79.9
21/02/2021	72.5	1.2	73.7	14/12/2021	71.1	4.5	75.6

Highest incremental PM _{2.5} impact – Receptor R13				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/03/2021	96.3	2.4	98.7	27/01/2021	93.0	7.0	100.0
20/02/2021	74.1	2.0	76.1	17/08/2021	95.0	4.5	99.5
02/11/2021	66.0	3.5	69.5	17/02/2021	91.2	4.8	95.9
02/12/2021	65.2	3.9	69.1	16/12/2021	88.8	6.6	95.4
03/11/2021	64.3	2.7	67.0	08/02/2021	88.3	6.6	94.9
17/12/2021	63.4	5.1	68.6	25/09/2021	88.2	6.2	94.4
29/01/2021	61.8	4.3	66.1	06/03/2021	86.8	6.9	93.7
17/11/2021	61.0	4.5	65.5	26/11/2021	90.8	1.9	92.7
13/01/2021	60.9	3.3	64.2	02/03/2021	83.7	8.0	91.7
05/11/2021	59.6	3.7	63.3	08/01/2021	88.9	2.8	91.7

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	95.5	2.9	98.4	17/02/2021	94.1	4.8	98.9
17/02/2021	94.1	4.8	98.9	19/03/2021	95.5	2.9	98.4
17/08/2021	93.4	4.5	97.9	27/01/2021	91.2	7.0	98.2
27/01/2021	91.2	7.0	98.2	17/08/2021	93.4	4.5	97.9
18/03/2021	90.2	2.5	92.7	28/01/2021	89.2	8.3	97.5
06/03/2021	89.6	6.9	96.5	06/03/2021	89.6	6.9	96.5
28/01/2021	89.2	8.3	97.5	08/02/2021	88.2	6.6	94.8
08/02/2021	88.2	6.6	94.8	02/03/2021	86.3	8.0	94.3
16/12/2021	87.6	6.6	94.2	16/12/2021	87.6	6.6	94.2
08/01/2021	87.5	2.8	90.3	09/02/2021	85.7	8.3	94.0

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	106.6	106.6
R2	95.5	95.5
R3	89.4	89.4
R4	95.0	95.0
R5	78.9	78.9
R6	112.1	112.1
R7	77.3	77.3
R8	72.0	72.0
R9	89.5	89.5
R10	108.3	108.3
R11	104.5	104.5
R12	123.3	123.3
R13	96.3	96.3
R14	82.8	82.8
R15	61.5	61.5
R16	24.1	24.1
R17	22.4	22.4
R18	21.7	21.7
R19	29.9	29.9
R20	41.9	41.9
R21	36.9	36.9
R22	25.1	25.1
R23	24.1	24.1
R24	22.7	22.7
R25	17.8	17.8
R26	14.6	14.6
R27	9.7	9.7
R28	30.5	30.5
R29	32.3	32.3
R30	30.2	30.2
R31	30.8	30.8

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	19.6	19.6
R33	15.7	15.7
R34	16.4	16.4
R35	20.4	20.4
R36	22.3	22.3
R37	22.5	22.5
R38	76.4	76.4
R39	28.3	28.3
R40	57.8	57.8
R41	138.5	138.5
R42	115.8	115.8
R43	81.1	81.1
R44	107.6	107.6
R45	90.9	90.9
R46	67.2	67.2
R47	59.7	59.7
R48	63.7	63.7
R49	61.6	61.6
R50	51.9	51.9
R51	36.1	36.1
R52	46.1	46.1
R53	38.4	38.4
R54	24.0	24.0
R55	38.3	38.3
R56	39.1	39.1
R57	26.2	26.2
R58	35.6	35.6
R59	33.0	33.0
R60	27.1	27.1
R61	34.6	34.6
R62	21.7	21.7
R63	33.8	33.8
R64	16.2	16.2
R65	36.4	36.4
R66	28.8	28.8
R67	23.3	23.3

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	14.6	14.6
R69	19.9	19.9
R70	27.2	27.2
R71	42.3	42.3
R72	47.8	47.8
R73	51.4	51.4
R74	61.0	61.0
R75	34.3	34.3
R76	39.0	39.0
R77	31.1	31.1
R78	45.5	45.5
R79	30.1	30.1
R80	11.8	11.8
R81	32.9	32.9
R82	39.8	39.8
R83	25.9	25.9
R84	20.2	20.2
R85	36.2	36.2
R86	37.5	37.5
R87	21.3	21.3
R88	18.2	18.2
R89	16.4	16.4
R90	13.7	13.7
R91	18.4	18.4
R92	15.2	15.2
R93	24.3	24.3
R94	28.0	28.0
R95	24.2	24.2
R96	43.1	43.1
R97	35.5	35.5
R98	40.5	40.5
R99	30.7	30.7
R100	22.2	22.2
R101	35.2	35.2
R102	27.6	27.6
R103	22.2	22.2

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R104	14.7	14.7
R105	11.8	11.8
R106	13.5	13.5
R107	16.9	16.9
R108	23.9	23.9
R109	28.8	28.8
R110	23.6	23.6
R111	10.9	10.9
R112	28.0	28.0
R113	25.5	25.5
R114	8.7	8.7
R115	14.3	14.3
R116	8.3	8.3
R117	11.9	11.9
R118	18.7	18.7
R119	14.2	14.2
R120	22.6	22.6
R121	24.2	24.2
R122	44.3	44.3
R123	40.2	40.2
R124	25.2	25.2
R125	42.7	42.7
R126	19.9	19.9
R127	49.1	49.1
R128	54.5	54.5

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	9.0	0.2	9.2	6.9	0.1	7.0	1.6	< 0.1	1.6
R2	9.9	0.2	10.1	7.5	0.1	7.7	1.5	0.3	1.8
R3	8.7	0.2	8.8	6.6	0.1	6.7	1.5	0.3	1.8
R4	10.1	0.2	10.2	7.6	0.1	7.8	1.5	0.3	1.8
R5	6.6	0.5	7.1	5.0	0.4	5.4	1.3	0.4	1.7
R6	10.0	0.2	10.1	7.6	0.1	7.7	1.4	0.3	1.7
R7	5.0	0.2	5.2	3.8	0.1	3.9	1.1	< 0.1	1.2
R8	4.6	0.2	4.8	3.5	0.1	3.6	1.0	< 0.1	1.1
R9	4.6	0.2	4.8	3.5	0.1	3.6	1.2	< 0.1	1.2
R10	6.2	0.2	6.3	4.7	0.1	4.8	1.8	0.1	2.0
R11	4.8	0.2	5.0	3.7	0.1	3.8	2.0	< 0.1	2.0
R12	8.7	0.5	9.2	6.6	0.4	7.0	2.3	< 0.1	2.3
R13	9.2	0.5	9.7	7.0	0.4	7.3	1.6	< 0.1	1.6
R14	10.7	0.5	11.2	8.1	0.4	8.5	2.3	0.2	2.5
R15	5.7	0.3	6.1	4.4	0.2	4.6	1.3	0.1	1.4
R16	1.6	0.2	1.8	1.2	0.1	1.3	0.7	< 0.1	0.7
R17	1.5	< 0.1	1.5	1.2	< 0.1	1.2	0.7	< 0.1	0.7
R18	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R19	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.6	< 0.1	0.6
R20	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.8	< 0.1	0.8
R21	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.8	< 0.1	0.8
R22	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.6	0.2	0.8
R23	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.6	< 0.1	0.6
R24	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.6	< 0.1	0.6
R25	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.5	< 0.1	0.5
R26	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R27	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R28	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.7	0.2	0.9
R29	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.8	0.1	0.9
R30	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.7	0.1	0.8

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	1.7	< 0.1	1.7	1.3	< 0.1	1.3	0.7	< 0.1	0.7
R32	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.5	< 0.1	0.5
R33	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R34	1.1	< 0.1	1.1	0.9	< 0.1	0.9	0.5	< 0.1	0.5
R35	1.2	0.2	1.3	0.9	0.1	1.0	0.6	< 0.1	0.6
R36	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R37	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R38	4.1	< 0.1	4.1	3.1	< 0.1	3.1	1.6	< 0.1	1.6
R39	2.6	0.2	2.8	2.0	0.1	2.1	0.8	< 0.1	0.8
R40	5.8	0.2	6.0	4.4	0.1	4.5	1.3	0.2	1.4
R41	12.2	0.2	12.3	9.2	0.1	9.4	1.9	< 0.1	1.9
R42	5.4	0.2	5.5	4.1	0.1	4.2	1.6	< 0.1	1.6
R43	2.9	0.2	3.0	2.2	0.1	2.3	1.1	0.1	1.2
R44	3.6	< 0.1	3.6	2.7	< 0.1	2.7	1.6	< 0.1	1.6
R45	3.4	< 0.1	3.4	2.6	< 0.1	2.6	1.4	< 0.1	1.4
R46	2.1	0.2	2.2	1.6	0.1	1.7	0.9	< 0.1	0.9
R47	3.1	0.7	3.8	2.3	0.5	2.8	0.9	< 0.1	0.9
R48	3.7	0.5	4.2	2.8	0.4	3.2	0.8	< 0.1	0.8
R49	4.0	0.2	4.1	3.0	0.1	3.1	0.8	< 0.1	0.8
R50	2.6	0.2	2.8	2.0	0.1	2.1	0.7	< 0.1	0.7
R51	2.1	0.2	2.2	1.6	0.1	1.7	0.6	< 0.1	0.6
R52	2.3	0.2	2.5	1.7	0.1	1.9	0.8	< 0.1	0.8
R53	1.9	< 0.1	1.9	1.4	< 0.1	1.4	0.6	< 0.1	0.6
R54	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.6	< 0.1	0.6
R55	1.7	< 0.1	1.7	1.3	< 0.1	1.3	0.7	< 0.1	0.7
R56	1.8	0.2	1.9	1.3	0.1	1.5	0.8	0.1	0.9
R57	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.6	< 0.1	0.6
R58	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.6	< 0.1	0.6
R59	2.3	< 0.1	2.3	1.8	< 0.1	1.8	0.8	< 0.1	0.8
R60	1.8	< 0.1	1.8	1.4	< 0.1	1.4	0.7	< 0.1	0.7
R61	1.9	< 0.1	1.9	1.5	< 0.1	1.5	0.7	< 0.1	0.7
R62	2.3	0.5	2.8	1.7	0.4	2.1	0.6	< 0.1	0.6
R63	1.9	< 0.1	1.9	1.4	< 0.1	1.4	0.5	< 0.1	0.5
R64	1.9	0.8	2.7	1.4	0.6	2.1	0.5	< 0.1	0.5
R65	1.8	< 0.1	1.8	1.3	< 0.1	1.3	0.9	< 0.1	0.9

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	2.1	< 0.1	2.1	1.6	< 0.1	1.6	0.8	< 0.1	0.8
R67	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.9	< 0.1	0.9
R68	1.4	0.3	1.7	1.1	0.2	1.3	0.4	< 0.1	0.4
R69	1.2	0.2	1.4	0.9	0.1	1.0	0.4	< 0.1	0.4
R70	1.5	0.3	1.9	1.2	0.2	1.4	0.4	< 0.1	0.4
R71	3.1	0.3	3.4	2.4	0.2	2.6	0.9	0.2	1.1
R72	3.6	0.3	3.9	2.7	0.2	3.0	1.0	0.2	1.2
R73	4.1	0.3	4.4	3.1	0.2	3.3	1.1	0.2	1.2
R74	2.8	0.7	3.5	2.2	0.5	2.7	1.2	< 0.1	1.2
R75	1.7	< 0.1	1.7	1.3	< 0.1	1.3	1.0	< 0.1	1.0
R76	1.7	< 0.1	1.7	1.3	< 0.1	1.3	0.8	< 0.1	0.8
R77	2.7	0.5	3.2	2.1	0.4	2.4	0.7	< 0.1	0.7
R78	2.6	0.2	2.7	1.9	0.1	2.1	0.7	< 0.1	0.8
R79	1.9	< 0.1	1.9	1.4	< 0.1	1.4	0.7	< 0.1	0.7
R80	1.2	0.8	2.0	0.9	0.6	1.5	0.4	< 0.1	0.4
R81	2.3	< 0.1	2.3	1.7	< 0.1	1.7	0.7	< 0.1	0.7
R82	2.1	< 0.1	2.1	1.6	< 0.1	1.6	1.1	< 0.1	1.1
R83	2.3	0.2	2.5	1.8	0.1	1.9	0.7	0.2	0.9
R84	2.0	< 0.1	2.0	1.5	< 0.1	1.5	0.6	< 0.1	0.6
R85	2.6	0.2	2.8	2.0	0.1	2.1	0.6	< 0.1	0.6
R86	2.7	0.2	2.9	2.1	0.1	2.2	0.7	< 0.1	0.8
R87	2.1	0.5	2.6	1.6	0.4	1.9	0.7	< 0.1	0.7
R88	1.9	0.8	2.7	1.4	0.6	2.0	0.5	< 0.1	0.5
R89	1.7	0.8	2.5	1.3	0.6	1.9	0.5	< 0.1	0.5
R90	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.4	< 0.1	0.4
R91	1.7	0.5	2.2	1.3	0.4	1.7	0.6	< 0.1	0.6
R92	1.5	0.8	2.3	1.1	0.6	1.8	0.5	< 0.1	0.5
R93	1.8	< 0.1	1.8	1.4	< 0.1	1.4	0.6	< 0.1	0.6
R94	1.9	0.2	2.1	1.5	0.1	1.6	0.5	< 0.1	0.5
R95	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.5	< 0.1	0.5
R96	1.7	0.3	2.0	1.3	0.2	1.5	0.7	< 0.1	0.7
R97	1.9	0.2	2.1	1.5	0.1	1.6	0.7	< 0.1	0.7
R98	1.3	< 0.1	1.3	0.9	< 0.1	0.9	0.7	< 0.1	0.7
R99	1.9	< 0.1	1.9	1.4	< 0.1	1.4	0.8	< 0.1	0.8
R100	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.6	< 0.1	0.6

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	1.3	0.3	1.7	1.0	0.2	1.3	0.7	< 0.1	0.7
R102	1.4	0.2	1.5	1.0	0.1	1.2	0.6	< 0.1	0.6
R103	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.5	< 0.1	0.5
R104	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R105	0.8	0.3	1.2	0.6	0.2	0.9	0.3	< 0.1	0.3
R106	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R107	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.5	< 0.1	0.5
R108	1.8	< 0.1	1.8	1.4	< 0.1	1.4	0.7	< 0.1	0.7
R109	1.6	< 0.1	1.6	1.2	< 0.1	1.2	1.0	< 0.1	1.0
R110	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.6	< 0.1	0.6
R111	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.6	< 0.1	0.6
R112	1.7	< 0.1	1.7	1.3	< 0.1	1.3	0.8	< 0.1	0.8
R113	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.8	< 0.1	0.8
R114	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.3	< 0.1	0.3
R115	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R116	0.7	< 0.1	0.7	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R117	1.0	< 0.1	1.0	0.7	< 0.1	0.7	0.4	< 0.1	0.4
R118	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.5	< 0.1	0.5
R119	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.8	< 0.1	0.8
R120	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R121	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.6	< 0.1	0.6
R122	1.4	0.3	1.7	1.1	0.2	1.3	0.8	0.1	0.9
R123	1.3	0.3	1.6	1.0	0.2	1.2	0.8	< 0.1	0.9
R124	1.1	< 0.1	1.2	0.8	< 0.1	0.9	0.7	< 0.1	0.8
R125	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.7	< 0.1	0.7
R126	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.5	< 0.1	0.5
R127	1.9	0.2	2.0	1.4	0.1	1.6	0.8	< 0.1	0.8
R128	2.4	0.2	2.5	1.8	0.1	1.9	0.8	< 0.1	0.8

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations (µg·m⁻³).

Rec.	1-hour (µg/m³)			24-hour (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	8.6	< 0.1	8.6	1.5	0.6	2.1
R2	9.4	< 0.1	9.4	1.3	0.2	1.5
R3	8.2	< 0.1	8.2	1.2	0.2	1.4
R4	9.6	< 0.1	9.6	1.3	0.8	2.1
R5	6.3	2.9	9.1	1.0	0.1	1.2
R6	9.5	< 0.1	9.5	1.5	< 0.1	1.5
R7	4.8	< 0.1	4.8	1.0	1.3	2.3
R8	4.4	< 0.1	4.4	1.0	0.7	1.7
R9	4.4	< 0.1	4.4	1.2	0.2	1.5
R10	5.8	< 0.1	5.8	1.5	0.6	2.1
R11	4.6	< 0.1	4.6	1.5	< 0.1	1.5
R12	8.3	2.9	11.1	1.7	0.4	2.0
R13	8.7	2.9	11.6	1.4	0.4	1.7
R14	10.2	2.9	13.0	1.1	4.6	5.7
R15	5.5	< 0.1	5.5	0.8	8.2	9.0
R16	1.5	< 0.1	1.5	0.3	0.1	0.5
R17	1.5	< 0.1	1.5	0.3	1.1	1.4
R18	1.4	< 0.1	1.4	0.3	1.1	1.3
R19	1.5	< 0.1	1.5	0.4	0.2	0.7
R20	1.5	< 0.1	1.5	0.5	< 0.1	0.5
R21	1.4	< 0.1	1.4	0.5	0.1	0.6
R22	1.2	< 0.1	1.2	0.4	0.8	1.2
R23	1.1	< 0.1	1.1	0.4	0.2	0.6
R24	1.1	< 0.1	1.1	0.4	0.2	0.6
R25	1.1	< 0.1	1.1	0.3	0.2	0.5
R26	1.0	< 0.1	1.0	0.2	2.5	2.7
R27	0.7	< 0.1	0.7	0.1	1.8	1.9
R28	1.4	2.9	4.2	0.4	0.8	1.3
R29	1.2	< 0.1	1.2	0.5	< 0.1	0.5
R30	1.3	< 0.1	1.3	0.4	< 0.1	0.4

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	1.6	< 0.1	1.6	0.4	0.2	0.7
R32	1.3	< 0.1	1.3	0.3	< 0.1	0.3
R33	1.0	< 0.1	1.0	0.2	0.2	0.5
R34	1.1	< 0.1	1.1	0.3	0.2	0.5
R35	1.1	2.9	4.0	0.3	0.2	0.6
R36	1.4	< 0.1	1.4	0.3	1.1	1.3
R37	1.4	< 0.1	1.4	0.3	1.1	1.3
R38	3.9	< 0.1	3.9	1.0	0.2	1.2
R39	2.5	< 0.1	2.5	0.4	1.0	1.3
R40	5.5	< 0.1	5.5	0.8	9.8	10.6
R41	11.6	< 0.1	11.6	1.8	0.5	2.3
R42	5.1	< 0.1	5.1	1.5	0.5	2.0
R43	2.7	< 0.1	2.7	1.1	1.5	2.6
R44	3.4	< 0.1	3.4	1.5	< 0.1	1.5
R45	3.2	< 0.1	3.2	1.3	< 0.1	1.3
R46	2.0	< 0.1	2.0	1.0	0.2	1.2
R47	2.9	2.9	5.8	0.8	< 0.1	0.8
R48	3.5	2.9	6.4	0.9	0.2	1.1
R49	3.8	< 0.1	3.8	0.8	0.7	1.5
R50	2.5	2.9	5.3	0.7	0.1	0.8
R51	2.0	2.9	4.8	0.5	0.2	0.7
R52	2.2	< 0.1	2.2	0.6	0.7	1.3
R53	1.8	< 0.1	1.8	0.6	0.2	0.8
R54	1.5	< 0.1	1.5	0.3	< 0.1	0.3
R55	1.6	< 0.1	1.6	0.6	0.2	0.8
R56	1.7	2.9	4.5	0.5	0.8	1.4
R57	1.4	< 0.1	1.4	0.4	0.5	0.8
R58	1.5	< 0.1	1.5	0.6	0.2	0.8
R59	2.2	< 0.1	2.2	0.4	< 0.1	0.4
R60	1.7	< 0.1	1.7	0.4	< 0.1	0.4
R61	1.8	1.4	3.2	0.6	0.4	0.9
R62	2.2	2.9	5.0	0.3	0.2	0.5
R63	1.8	< 0.1	1.8	0.5	0.6	1.1
R64	1.8	2.9	4.6	0.2	1.3	1.5
R65	1.7	< 0.1	1.7	0.5	< 0.1	0.5

Rec.	1-hour (µg/m³)			24-hour (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	2.0	< 0.1	2.0	0.4	0.1	0.5
R67	1.4	< 0.1	1.4	0.4	0.4	0.7
R68	1.3	1.4	2.8	0.2	1.8	2.0
R69	1.1	< 0.1	1.1	0.3	0.6	0.9
R70	1.5	< 0.1	1.5	0.4	0.6	1.0
R71	2.9	< 0.1	2.9	0.6	8.2	8.8
R72	3.4	< 0.1	3.4	0.6	8.2	8.9
R73	3.9	< 0.1	3.9	0.7	8.2	8.9
R74	2.7	2.9	5.6	0.8	< 0.1	0.8
R75	1.6	< 0.1	1.6	0.5	< 0.1	0.5
R76	1.6	< 0.1	1.6	0.5	< 0.1	0.5
R77	2.6	2.9	5.4	0.5	0.4	0.8
R78	2.4	< 0.1	2.4	0.7	0.4	1.1
R79	1.8	1.4	3.2	0.5	0.4	0.9
R80	1.2	2.9	4.0	0.2	1.3	1.5
R81	2.2	< 0.1	2.2	0.5	< 0.1	0.5
R82	2.0	< 0.1	2.0	0.7	< 0.1	0.7
R83	2.2	2.9	5.1	0.3	< 0.1	0.3
R84	1.9	< 0.1	1.9	0.3	0.6	0.9
R85	2.5	< 0.1	2.5	0.6	0.4	0.9
R86	2.6	< 0.1	2.6	0.6	0.4	1.0
R87	2.0	2.9	4.8	0.4	0.4	0.7
R88	1.8	2.9	4.6	0.2	2.3	2.5
R89	1.6	2.9	4.4	0.2	2.3	2.5
R90	1.2	< 0.1	1.2	0.2	1.3	1.5
R91	1.6	2.9	4.5	0.3	0.4	0.7
R92	1.4	2.9	4.3	0.2	2.3	2.5
R93	1.7	1.4	3.1	0.4	0.4	0.8
R94	1.8	< 0.1	1.8	0.5	0.4	0.8
R95	1.5	< 0.1	1.5	0.4	0.4	0.8
R96	1.6	2.9	4.5	0.6	< 0.1	0.6
R97	1.8	< 0.1	1.8	0.5	0.7	1.2
R98	1.2	< 0.1	1.2	0.5	< 0.1	0.5
R99	1.8	2.9	4.7	0.5	< 0.1	0.5
R100	1.4	1.4	2.9	0.3	< 0.1	0.3

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	1.3	2.9	4.1	0.5	< 0.1	0.5
R102	1.3	2.9	4.2	0.4	0.2	0.7
R103	1.2	< 0.1	1.2	0.3	0.2	0.6
R104	1.0	< 0.1	1.0	0.2	2.5	2.7
R105	0.8	2.9	3.7	0.2	0.7	0.9
R106	1.0	< 0.1	1.0	0.2	1.8	2.0
R107	1.1	< 0.1	1.1	0.2	1.0	1.2
R108	1.7	< 0.1	1.7	0.3	0.2	0.5
R109	1.5	< 0.1	1.5	0.4	< 0.1	0.4
R110	1.4	< 0.1	1.4	0.3	0.4	0.7
R111	1.2	< 0.1	1.2	0.2	< 0.1	0.2
R112	1.6	< 0.1	1.6	0.3	1.1	1.4
R113	1.5	< 0.1	1.5	0.3	< 0.1	0.3
R114	0.9	< 0.1	0.9	0.1	1.4	1.5
R115	1.1	< 0.1	1.1	0.2	0.6	0.8
R116	0.7	< 0.1	0.7	0.1	< 0.1	0.1
R117	0.9	2.9	3.8	0.2	0.6	0.8
R118	1.2	< 0.1	1.2	0.2	0.1	0.4
R119	1.3	< 0.1	1.3	0.2	< 0.1	0.2
R120	1.4	< 0.1	1.4	0.3	1.1	1.4
R121	1.2	2.9	4.1	0.3	0.8	1.1
R122	1.3	< 0.1	1.3	0.6	< 0.1	0.6
R123	1.2	< 0.1	1.2	0.5	0.5	1.0
R124	1.0	< 0.1	1.0	0.3	0.5	0.8
R125	1.1	< 0.1	1.1	0.6	1.5	2.1
R126	0.9	< 0.1	0.9	0.2	< 0.1	0.2
R127	1.8	2.9	4.6	0.6	0.1	0.8
R128	2.3	< 0.1	2.3	0.7	< 0.1	0.7

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	3.10E-08	2.10E-03	7.54E-04	5.26E-04	2.13E-04
R2	3.82E-08	2.58E-03	9.30E-04	6.48E-04	2.62E-04
R3	3.81E-08	2.57E-03	9.26E-04	6.46E-04	2.61E-04
R4	3.95E-08	2.67E-03	9.61E-04	6.70E-04	2.71E-04
R5	3.54E-08	2.39E-03	8.61E-04	6.01E-04	2.43E-04
R6	3.44E-08	2.32E-03	8.37E-04	5.84E-04	2.36E-04
R7	3.16E-08	2.14E-03	7.70E-04	5.37E-04	2.17E-04
R8	3.03E-08	2.05E-03	7.37E-04	5.14E-04	2.08E-04
R9	2.19E-08	1.48E-03	5.34E-04	3.72E-04	1.51E-04
R10	2.83E-08	1.91E-03	6.88E-04	4.80E-04	1.94E-04
R11	3.15E-08	2.13E-03	7.66E-04	5.34E-04	2.16E-04
R12	3.25E-08	2.20E-03	7.92E-04	5.52E-04	2.23E-04
R13	2.69E-08	1.82E-03	6.56E-04	4.57E-04	1.85E-04
R14	2.99E-08	2.02E-03	7.27E-04	5.07E-04	2.05E-04
R15	2.72E-08	1.84E-03	6.63E-04	4.62E-04	1.87E-04
R16	1.30E-08	8.79E-04	3.16E-04	2.21E-04	8.92E-05
R17	9.58E-09	6.48E-04	2.33E-04	1.63E-04	6.58E-05
R18	9.80E-09	6.63E-04	2.39E-04	1.66E-04	6.73E-05
R19	1.11E-08	7.50E-04	2.70E-04	1.88E-04	7.62E-05
R20	1.05E-08	7.12E-04	2.56E-04	1.79E-04	7.24E-05
R21	1.01E-08	6.81E-04	2.45E-04	1.71E-04	6.91E-05
R22	9.74E-09	6.59E-04	2.37E-04	1.65E-04	6.69E-05
R23	9.72E-09	6.57E-04	2.37E-04	1.65E-04	6.68E-05
R24	9.39E-09	6.35E-04	2.29E-04	1.59E-04	6.45E-05
R25	8.71E-09	5.89E-04	2.12E-04	1.48E-04	5.98E-05
R26	7.74E-09	5.23E-04	1.88E-04	1.31E-04	5.31E-05
R27	5.73E-09	3.87E-04	1.39E-04	9.73E-05	3.94E-05
R28	1.07E-08	7.21E-04	2.60E-04	1.81E-04	7.33E-05
R29	1.05E-08	7.09E-04	2.55E-04	1.78E-04	7.20E-05
R30	9.79E-09	6.62E-04	2.38E-04	1.66E-04	6.72E-05
R31	1.28E-08	8.63E-04	3.11E-04	2.17E-04	8.76E-05
R32	9.05E-09	6.12E-04	2.20E-04	1.54E-04	6.22E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	7.91E-09	5.35E-04	1.93E-04	1.34E-04	5.43E-05
R34	7.98E-09	5.40E-04	1.94E-04	1.35E-04	5.48E-05
R35	8.95E-09	6.05E-04	2.18E-04	1.52E-04	6.14E-05
R36	9.25E-09	6.25E-04	2.25E-04	1.57E-04	6.35E-05
R37	9.57E-09	6.47E-04	2.33E-04	1.63E-04	6.58E-05
R38	2.85E-08	1.92E-03	6.93E-04	4.83E-04	1.95E-04
R39	1.57E-08	1.06E-03	3.81E-04	2.66E-04	1.08E-04
R40	3.25E-08	2.20E-03	7.90E-04	5.51E-04	2.23E-04
R41	3.14E-08	2.12E-03	7.65E-04	5.33E-04	2.16E-04
R42	2.36E-08	1.59E-03	5.73E-04	4.00E-04	1.62E-04
R43	1.98E-08	1.34E-03	4.83E-04	3.37E-04	1.36E-04
R44	2.76E-08	1.87E-03	6.73E-04	4.69E-04	1.90E-04
R45	2.37E-08	1.60E-03	5.77E-04	4.02E-04	1.63E-04
R46	1.80E-08	1.22E-03	4.38E-04	3.06E-04	1.24E-04
R47	1.86E-08	1.26E-03	4.52E-04	3.15E-04	1.28E-04
R48	2.00E-08	1.35E-03	4.86E-04	3.39E-04	1.37E-04
R49	2.02E-08	1.36E-03	4.91E-04	3.42E-04	1.39E-04
R50	1.84E-08	1.24E-03	4.47E-04	3.12E-04	1.26E-04
R51	1.31E-08	8.83E-04	3.18E-04	2.22E-04	8.97E-05
R52	1.22E-08	8.25E-04	2.97E-04	2.07E-04	8.38E-05
R53	1.22E-08	8.24E-04	2.97E-04	2.07E-04	8.37E-05
R54	9.76E-09	6.60E-04	2.38E-04	1.66E-04	6.70E-05
R55	1.20E-08	8.09E-04	2.91E-04	2.03E-04	8.22E-05
R56	1.18E-08	7.97E-04	2.87E-04	2.00E-04	8.09E-05
R57	1.14E-08	7.73E-04	2.78E-04	1.94E-04	7.85E-05
R58	1.27E-08	8.58E-04	3.09E-04	2.15E-04	8.71E-05
R59	1.40E-08	9.46E-04	3.40E-04	2.37E-04	9.61E-05
R60	1.40E-08	9.45E-04	3.40E-04	2.37E-04	9.60E-05
R61	1.43E-08	9.68E-04	3.48E-04	2.43E-04	9.83E-05
R62	1.32E-08	8.93E-04	3.21E-04	2.24E-04	9.07E-05
R63	1.34E-08	9.09E-04	3.27E-04	2.28E-04	9.23E-05
R64	1.17E-08	7.89E-04	2.84E-04	1.98E-04	8.01E-05
R65	1.51E-08	1.02E-03	3.67E-04	2.56E-04	1.04E-04
R66	1.49E-08	1.01E-03	3.62E-04	2.53E-04	1.02E-04
R67	1.28E-08	8.66E-04	3.12E-04	2.17E-04	8.80E-05
R68	9.27E-09	6.27E-04	2.26E-04	1.57E-04	6.37E-05
R69	8.50E-09	5.74E-04	2.07E-04	1.44E-04	5.84E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	1.21E-08	8.16E-04	2.94E-04	2.05E-04	8.29E-05
R71	1.59E-08	1.08E-03	3.87E-04	2.70E-04	1.09E-04
R72	1.76E-08	1.19E-03	4.28E-04	2.98E-04	1.21E-04
R73	2.03E-08	1.37E-03	4.93E-04	3.44E-04	1.39E-04
R74	1.86E-08	1.26E-03	4.54E-04	3.17E-04	1.28E-04
R75	1.34E-08	9.04E-04	3.25E-04	2.27E-04	9.18E-05
R76	1.20E-08	8.11E-04	2.92E-04	2.04E-04	8.24E-05
R77	1.38E-08	9.34E-04	3.36E-04	2.34E-04	9.48E-05
R78	1.51E-08	1.02E-03	3.68E-04	2.57E-04	1.04E-04
R79	1.34E-08	9.05E-04	3.26E-04	2.27E-04	9.19E-05
R80	8.54E-09	5.77E-04	2.08E-04	1.45E-04	5.87E-05
R81	1.33E-08	9.02E-04	3.25E-04	2.26E-04	9.16E-05
R82	1.47E-08	9.91E-04	3.57E-04	2.49E-04	1.01E-04
R83	1.43E-08	9.66E-04	3.48E-04	2.42E-04	9.81E-05
R84	1.58E-08	1.07E-03	3.83E-04	2.67E-04	1.08E-04
R85	1.19E-08	8.05E-04	2.90E-04	2.02E-04	8.18E-05
R86	1.30E-08	8.77E-04	3.16E-04	2.20E-04	8.91E-05
R87	1.26E-08	8.53E-04	3.07E-04	2.14E-04	8.66E-05
R88	1.22E-08	8.24E-04	2.97E-04	2.07E-04	8.38E-05
R89	1.13E-08	7.66E-04	2.76E-04	1.92E-04	7.78E-05
R90	9.97E-09	6.74E-04	2.43E-04	1.69E-04	6.85E-05
R91	1.17E-08	7.88E-04	2.84E-04	1.98E-04	8.01E-05
R92	1.06E-08	7.18E-04	2.58E-04	1.80E-04	7.29E-05
R93	1.25E-08	8.43E-04	3.03E-04	2.12E-04	8.56E-05
R94	1.23E-08	8.33E-04	3.00E-04	2.09E-04	8.46E-05
R95	1.15E-08	7.77E-04	2.80E-04	1.95E-04	7.89E-05
R96	9.96E-09	6.74E-04	2.42E-04	1.69E-04	6.84E-05
R97	1.09E-08	7.39E-04	2.66E-04	1.85E-04	7.50E-05
R98	9.21E-09	6.23E-04	2.24E-04	1.56E-04	6.33E-05
R99	1.05E-08	7.12E-04	2.56E-04	1.79E-04	7.23E-05
R100	1.01E-08	6.81E-04	2.45E-04	1.71E-04	6.92E-05
R101	8.32E-09	5.63E-04	2.03E-04	1.41E-04	5.72E-05
R102	1.02E-08	6.92E-04	2.49E-04	1.74E-04	7.03E-05
R103	8.72E-09	5.90E-04	2.12E-04	1.48E-04	5.99E-05
R104	7.76E-09	5.25E-04	1.89E-04	1.32E-04	5.33E-05
R105	5.83E-09	3.94E-04	1.42E-04	9.89E-05	4.00E-05
R106	7.90E-09	5.34E-04	1.92E-04	1.34E-04	5.43E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	9.34E-09	6.31E-04	2.27E-04	1.58E-04	6.41E-05
R108	1.27E-08	8.58E-04	3.09E-04	2.15E-04	8.71E-05
R109	1.26E-08	8.51E-04	3.06E-04	2.14E-04	8.65E-05
R110	1.04E-08	7.06E-04	2.54E-04	1.77E-04	7.17E-05
R111	1.00E-08	6.80E-04	2.45E-04	1.71E-04	6.90E-05
R112	1.16E-08	7.81E-04	2.81E-04	1.96E-04	7.94E-05
R113	1.16E-08	7.83E-04	2.82E-04	1.97E-04	7.96E-05
R114	7.63E-09	5.16E-04	1.86E-04	1.30E-04	5.24E-05
R115	7.71E-09	5.21E-04	1.88E-04	1.31E-04	5.29E-05
R116	5.08E-09	3.44E-04	1.24E-04	8.63E-05	3.49E-05
R117	6.49E-09	4.39E-04	1.58E-04	1.10E-04	4.46E-05
R118	9.83E-09	6.64E-04	2.39E-04	1.67E-04	6.75E-05
R119	1.12E-08	7.60E-04	2.73E-04	1.91E-04	7.72E-05
R120	1.01E-08	6.80E-04	2.45E-04	1.71E-04	6.90E-05
R121	8.99E-09	6.08E-04	2.19E-04	1.53E-04	6.18E-05
R122	1.10E-08	7.42E-04	2.67E-04	1.86E-04	7.54E-05
R123	1.17E-08	7.91E-04	2.85E-04	1.99E-04	8.03E-05
R124	8.99E-09	6.08E-04	2.19E-04	1.53E-04	6.17E-05
R125	1.02E-08	6.91E-04	2.49E-04	1.73E-04	7.02E-05
R126	6.92E-09	4.68E-04	1.69E-04	1.18E-04	4.76E-05
R127	1.35E-08	9.16E-04	3.30E-04	2.30E-04	9.30E-05
R128	1.43E-08	9.66E-04	3.48E-04	2.42E-04	9.81E-05
Max. at boundary	4.81E-08	3.25E-03	–	–	3.30E-04

Nitrogen dioxide (NO₂)

Maximum 1-hour and annual average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)			Annual ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			164			31
R1	20.0	< 0.1	20.0	< 0.1	8.3	8.3
R2	24.2	6.1	30.3	< 0.1	8.3	8.3
R3	22.5	< 0.1	22.5	< 0.1	8.3	8.3
R4	24.7	6.1	30.9	< 0.1	8.3	8.3
R5	20.9	6.1	27.1	< 0.1	8.3	8.3
R6	21.1	10.2	31.4	< 0.1	8.3	8.3
R7	15.8	< 0.1	15.8	< 0.1	8.3	8.3
R8	15.8	6.1	22.0	< 0.1	8.3	8.3
R9	18.4	20.5	38.9	< 0.1	8.3	8.3
R10	22.4	< 0.1	22.4	< 0.1	8.3	8.3
R11	22.8	10.2	33.0	< 0.1	8.3	8.3
R12	28.4	4.1	32.5	< 0.1	8.3	8.3
R13	24.2	10.2	34.4	< 0.1	8.3	8.3
R14	34.5	4.1	38.6	< 0.1	8.3	8.3
R15	16.3	10.2	26.6	< 0.1	8.3	8.3
R16	5.1	6.1	11.3	< 0.1	8.3	8.3
R17	6.6	< 0.1	6.6	< 0.1	8.3	8.3
R18	6.8	< 0.1	6.8	< 0.1	8.3	8.3
R19	9.1	2.0	11.2	< 0.1	8.3	8.3
R20	10.2	< 0.1	10.2	< 0.1	8.3	8.3
R21	10.6	< 0.1	10.6	< 0.1	8.3	8.3
R22	9.2	8.2	17.4	< 0.1	8.3	8.3
R23	8.2	8.2	16.4	< 0.1	8.3	8.3
R24	9.1	8.2	17.3	< 0.1	8.3	8.3
R25	7.7	2.0	9.8	< 0.1	8.3	8.3
R26	7.4	22.6	30.0	< 0.1	8.3	8.3
R27	5.1	10.2	15.3	< 0.1	8.3	8.3
R28	9.4	8.2	17.6	< 0.1	8.3	8.3
R29	11.6	< 0.1	11.6	< 0.1	8.3	8.3
R30	12.0	< 0.1	12.0	< 0.1	8.3	8.3

Rec.	1-hour (max incr.) (µg/m³)			Annual (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	12.3	20.5	32.8	< 0.1	8.3	8.3
R32	7.7	8.2	15.9	< 0.1	8.3	8.3
R33	7.3	2.0	9.3	< 0.1	8.3	8.3
R34	7.4	2.0	9.4	< 0.1	8.3	8.3
R35	11.2	8.2	19.4	< 0.1	8.3	8.3
R36	7.1	< 0.1	7.1	< 0.1	8.3	8.3
R37	6.5	< 0.1	6.5	< 0.1	8.3	8.3
R38	10.1	2.0	12.1	< 0.1	8.3	8.3
R39	10.2	6.1	16.3	< 0.1	8.3	8.3
R40	12.4	2.0	14.5	< 0.1	8.3	8.3
R41	16.1	< 0.1	16.1	< 0.1	8.3	8.3
R42	14.8	10.2	25.0	< 0.1	8.3	8.3
R43	13.1	10.2	23.3	< 0.1	8.3	8.3
R44	16.5	24.6	41.1	< 0.1	8.3	8.3
R45	14.6	24.6	39.2	< 0.1	8.3	8.3
R46	14.2	< 0.1	14.2	< 0.1	8.3	8.3
R47	16.8	4.1	20.9	< 0.1	8.3	8.3
R48	17.4	2.0	19.5	< 0.1	8.3	8.3
R49	16.3	6.1	22.5	< 0.1	8.3	8.3
R50	15.7	< 0.1	15.7	< 0.1	8.3	8.3
R51	11.1	2.0	13.2	< 0.1	8.3	8.3
R52	11.0	< 0.1	11.0	< 0.1	8.3	8.3
R53	8.7	2.0	10.8	< 0.1	8.3	8.3
R54	8.2	8.2	16.4	< 0.1	8.3	8.3
R55	7.1	8.2	15.3	< 0.1	8.3	8.3
R56	11.0	< 0.1	11.0	< 0.1	8.3	8.3
R57	11.5	20.5	32.0	< 0.1	8.3	8.3
R58	12.4	< 0.1	12.4	< 0.1	8.3	8.3
R59	13.2	10.2	23.4	< 0.1	8.3	8.3
R60	13.4	6.1	19.5	< 0.1	8.3	8.3
R61	11.1	6.1	17.3	< 0.1	8.3	8.3
R62	7.4	8.2	15.6	< 0.1	8.3	8.3
R63	8.3	4.1	12.4	< 0.1	8.3	8.3
R64	11.5	10.2	21.8	< 0.1	8.3	8.3
R65	10.2	< 0.1	10.2	< 0.1	8.3	8.3

Rec.	1-hour (max incr.) (µg/m³)			Annual (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	7.3	2.0	9.4	< 0.1	8.3	8.3
R67	11.4	8.2	19.6	< 0.1	8.3	8.3
R68	5.7	4.1	9.8	< 0.1	8.3	8.3
R69	6.3	4.1	10.4	< 0.1	8.3	8.3
R70	9.1	22.6	31.7	< 0.1	8.3	8.3
R71	6.4	4.1	10.5	< 0.1	8.3	8.3
R72	9.6	4.1	13.7	< 0.1	8.3	8.3
R73	11.3	12.3	23.6	< 0.1	8.3	8.3
R74	11.4	< 0.1	11.4	< 0.1	8.3	8.3
R75	8.7	< 0.1	8.7	< 0.1	8.3	8.3
R76	5.6	< 0.1	5.6	< 0.1	8.3	8.3
R77	8.7	22.6	31.3	< 0.1	8.3	8.3
R78	13.3	22.6	35.8	< 0.1	8.3	8.3
R79	9.9	6.1	16.1	< 0.1	8.3	8.3
R80	6.1	10.2	16.3	< 0.1	8.3	8.3
R81	10.5	6.1	16.6	< 0.1	8.3	8.3
R82	9.7	24.6	34.3	< 0.1	8.3	8.3
R83	13.0	22.6	35.5	< 0.1	8.3	8.3
R84	8.4	8.2	16.6	< 0.1	8.3	8.3
R85	13.5	22.6	36.1	< 0.1	8.3	8.3
R86	13.9	22.6	36.4	< 0.1	8.3	8.3
R87	6.2	22.6	28.8	< 0.1	8.3	8.3
R88	9.1	8.2	17.3	< 0.1	8.3	8.3
R89	8.7	8.2	16.9	< 0.1	8.3	8.3
R90	7.3	10.2	17.6	< 0.1	8.3	8.3
R91	5.6	22.6	28.1	< 0.1	8.3	8.3
R92	7.7	8.2	15.9	< 0.1	8.3	8.3
R93	10.1	6.1	16.3	< 0.1	8.3	8.3
R94	9.2	22.6	31.8	< 0.1	8.3	8.3
R95	7.9	22.6	30.4	< 0.1	8.3	8.3
R96	9.5	< 0.1	9.5	< 0.1	8.3	8.3
R97	9.5	6.1	15.7	< 0.1	8.3	8.3
R98	9.5	< 0.1	9.5	< 0.1	8.3	8.3
R99	11.8	8.2	20.0	< 0.1	8.3	8.3
R100	6.8	2.0	8.9	< 0.1	8.3	8.3

Rec.	1-hour (max incr.) (µg/m³)			Annual (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	9.7	< 0.1	9.7	< 0.1	8.3	8.3
R102	8.5	8.2	16.7	< 0.1	8.3	8.3
R103	7.8	2.0	9.8	< 0.1	8.3	8.3
R104	7.4	22.6	29.9	< 0.1	8.3	8.3
R105	1.4	10.2	11.6	< 0.1	8.3	8.3
R106	6.1	10.2	16.4	< 0.1	8.3	8.3
R107	6.3	6.1	12.4	< 0.1	8.3	8.3
R108	6.1	2.0	8.2	< 0.1	8.3	8.3
R109	9.1	2.0	11.2	< 0.1	8.3	8.3
R110	8.0	2.0	10.1	< 0.1	8.3	8.3
R111	7.9	8.2	16.1	< 0.1	8.3	8.3
R112	7.2	< 0.1	7.2	< 0.1	8.3	8.3
R113	6.8	2.0	8.9	< 0.1	8.3	8.3
R114	5.3	6.1	11.4	< 0.1	8.3	8.3
R115	7.5	< 0.1	7.5	< 0.1	8.3	8.3
R116	4.4	10.2	14.6	< 0.1	8.3	8.3
R117	7.4	< 0.1	7.4	< 0.1	8.3	8.3
R118	4.8	6.1	10.9	< 0.1	8.3	8.3
R119	11.7	8.2	19.9	< 0.1	8.3	8.3
R120	8.1	< 0.1	8.1	< 0.1	8.3	8.3
R121	8.5	< 0.1	8.5	< 0.1	8.3	8.3
R122	11.0	6.1	17.1	< 0.1	8.3	8.3
R123	9.8	6.1	16.0	< 0.1	8.3	8.3
R124	6.6	6.1	12.8	< 0.1	8.3	8.3
R125	9.3	< 0.1	9.3	< 0.1	8.3	8.3
R126	5.4	6.1	11.5	< 0.1	8.3	8.3
R127	12.9	< 0.1	12.9	< 0.1	8.3	8.3
R128	12.9	< 0.1	12.9	< 0.1	8.3	8.3

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	164.5	07/05/2021 15:00	16.5	2.14	27.25	0.74	0.1	0.02	20.0	< 0.1	20.0
R2	191.0	09/04/2021 17:00	19.1	1.35	30.52	0.8	0.1	0.03	24.2	6.1	30.3
R3	172.1	07/09/2021 17:00	17.2	2.00	35.97	0.8	0.1	0.03	22.5	< 0.1	22.5
R4	193.1	09/04/2021 17:00	19.3	1.35	30.52	0.8	0.1	0.03	24.7	6.1	30.9
R5	142.2	09/04/2021 17:00	14.2	1.35	30.52	0.8	0.1	0.05	20.9	6.1	27.1
R6	139.6	13/05/2021 16:00	14.0	0.89	32.70	0.8	0.1	0.06	21.1	10.2	31.4
R7	104.0	13/06/2021 16:00	10.4	1.50	27.25	0.83	0.07	0.06	15.8	< 0.1	15.8
R8	88.7	09/04/2021 17:00	8.9	1.35	30.52	0.8	0.1	0.09	15.8	6.1	22.0
R9	136.0	21/05/2021 16:00	13.6	1.91	16.35	0.635	0.1	0.04	18.4	20.5	38.9
R10	175.1	23/05/2021 16:00	17.5	1.78	27.25	0.74	0.1	0.03	22.4	< 0.1	22.4
R11	184.0	10/10/2021 17:00	18.4	1.59	21.80	0.74	0.1	0.03	22.8	10.2	33.0
R12	246.4	21/03/2021 08:00	24.6	2.31	17.44	0.635	0.1	0.02	28.4	4.1	32.5
R13	225.7	16/06/2021 08:00	22.6	0.19	< 0.1	0.49	0.05	0.01	24.2	10.2	34.4
R14	326.1	04/07/2021 08:00	32.6	0.61	< 0.1	0.49	0.05	0.01	34.5	4.1	38.6
R15	124.4	10/08/2021 16:00	12.4	1.18	29.43	0.83	0.07	0.03	16.3	10.2	26.6
R16	15.3	16/05/2021 17:00	1.5	0.90	21.80	0.74	0.1	0.26	5.1	6.1	11.3
R17	17.9	11/06/2021 17:00	1.8	0.86	25.07	0.83	0.07	0.30	6.6	< 0.1	6.6
R18	18.5	11/06/2021 17:00	1.8	0.86	25.07	0.83	0.07	0.30	6.8	< 0.1	6.8
R19	31.7	21/09/2021 17:00	3.2	2.19	32.70	0.8	0.1	0.21	9.1	2.0	11.2
R20	39.2	20/06/2021 17:00	3.9	0.77	25.07	0.83	0.07	0.18	10.2	< 0.1	10.2
R21	34.7	30/05/2021 17:00	3.5	0.34	26.16	0.74	0.1	0.23	10.6	< 0.1	10.6
R22	27.3	20/05/2021 17:00	2.7	1.16	22.89	0.74	0.1	0.26	9.2	8.2	17.4
R23	25.0	20/05/2021 17:00	2.5	1.16	22.89	0.74	0.1	0.25	8.2	8.2	16.4
R24	27.1	20/05/2021 17:00	2.7	1.16	22.89	0.74	0.1	0.26	9.1	8.2	17.3
R25	21.7	21/09/2021 17:00	2.2	2.19	32.70	0.8	0.1	0.28	7.7	2.0	9.8
R26	26.4	28/06/2021 17:00	2.6	1.61	13.08	0.74	0.07	0.20	7.4	22.6	30.0
R27	18.5	02/07/2021 17:00	1.8	0.34	10.90	0.74	0.07	0.20	5.1	10.2	15.3
R28	30.3	20/05/2021 17:00	3.0	1.16	22.89	0.74	0.1	0.23	9.4	8.2	17.6
R29	36.9	30/05/2021 17:00	3.7	0.34	26.16	0.74	0.1	0.24	11.6	< 0.1	11.6
R30	37.9	30/05/2021 17:00	3.8	0.34	26.16	0.74	0.1	0.24	12.0	< 0.1	12.0
R31	62.3	21/05/2021 16:00	6.2	1.91	16.35	0.635	0.1	0.11	12.3	20.5	32.8
R32	25.2	01/10/2021 17:00	2.5	2.91	32.70	0.8	0.1	0.23	7.7	8.2	15.9

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	19.7	21/09/2021 17:00	2.0	2.19	32.70	0.8	0.1	0.30	7.3	2.0	9.3
R34	20.0	21/09/2021 17:00	2.0	2.19	32.70	0.8	0.1	0.30	7.4	2.0	9.4
R35	33.4	20/05/2021 17:00	3.3	1.16	22.89	0.74	0.1	0.26	11.2	8.2	19.4
R36	20.0	11/06/2021 17:00	2.0	0.86	25.07	0.83	0.07	0.29	7.1	< 0.1	7.1
R37	18.0	11/06/2021 17:00	1.8	0.86	25.07	0.83	0.07	0.29	6.5	< 0.1	6.5
R38	48.0	12/09/2021 17:00	4.8	3.62	45.78	0.85	0.1	0.12	10.1	2.0	12.1
R39	52.8	15/07/2021 16:00	5.3	1.01	23.98	0.83	0.07	0.10	10.2	6.1	16.3
R40	81.0	11/09/2021 17:00	8.1	2.26	43.60	0.85	0.1	0.06	12.4	2.0	14.5
R41	108.6	26/06/2021 16:00	10.9	1.73	29.43	0.83	0.07	0.05	16.1	< 0.1	16.1
R42	75.7	13/05/2021 16:00	7.6	0.89	32.70	0.8	0.1	0.11	14.8	10.2	25.0
R43	59.7	13/05/2021 16:00	6.0	0.89	32.70	0.8	0.1	0.13	13.1	10.2	23.3
R44	114.3	01/04/2021 17:00	11.4	1.89	18.53	0.635	0.1	0.05	16.5	24.6	41.1
R45	94.2	01/04/2021 17:00	9.4	1.89	18.53	0.635	0.1	0.06	14.6	24.6	39.2
R46	84.4	23/05/2021 16:00	8.4	1.78	27.25	0.74	0.1	0.08	14.2	< 0.1	14.2
R47	107.1	12/04/2021 17:00	10.7	0.84	26.16	0.74	0.1	0.06	16.8	4.1	20.9
R48	108.3	17/05/2021 16:00	10.8	1.26	25.07	0.74	0.1	0.07	17.4	2.0	19.5
R49	80.1	09/04/2021 17:00	8.0	1.35	30.52	0.8	0.1	0.12	16.3	6.1	22.5
R50	80.2	30/05/2021 16:00	8.0	1.21	28.34	0.74	0.1	0.11	15.7	< 0.1	15.7
R51	50.6	21/09/2021 17:00	5.1	2.19	32.70	0.8	0.1	0.13	11.1	2.0	13.2
R52	39.6	07/09/2021 17:00	4.0	2.00	35.97	0.8	0.1	0.20	11.0	< 0.1	11.0
R53	35.2	21/09/2021 17:00	3.5	2.19	32.70	0.8	0.1	0.16	8.7	2.0	10.8
R54	31.0	01/10/2021 17:00	3.1	2.91	32.70	0.8	0.1	0.18	8.2	8.2	16.4
R55	27.8	20/05/2021 17:00	2.8	1.16	22.89	0.74	0.1	0.17	7.1	8.2	15.3
R56	40.5	30/05/2021 17:00	4.1	0.34	26.16	0.74	0.1	0.19	11.0	< 0.1	11.0
R57	54.3	21/05/2021 16:00	5.4	1.91	16.35	0.635	0.1	0.12	11.5	20.5	32.0
R58	52.8	23/05/2021 16:00	5.3	1.78	27.25	0.74	0.1	0.15	12.4	< 0.1	12.4
R59	59.6	10/10/2021 17:00	6.0	1.59	21.80	0.74	0.1	0.13	13.2	10.2	23.4
R60	56.1	02/04/2021 17:00	5.6	1.69	55.59	0.85	0.1	0.15	13.4	6.1	19.5
R61	48.0	02/04/2021 17:00	4.8	1.69	55.59	0.85	0.1	0.15	11.1	6.1	17.3
R62	33.3	08/10/2021 17:00	3.3	2.19	38.15	0.8	0.1	0.14	7.4	8.2	15.6
R63	44.5	11/08/2021 17:00	4.4	2.93	32.70	0.87	0.07	0.10	8.3	4.1	12.4
R64	44.0	02/09/2021 17:00	4.4	1.59	34.88	0.8	0.1	0.18	11.5	10.2	21.8
R65	37.2	11/06/2021 17:00	3.7	0.86	25.07	0.83	0.07	0.19	10.2	< 0.1	10.2
R66	22.2	12/09/2021 17:00	2.2	3.62	45.78	0.85	0.1	0.26	7.3	2.0	9.4
R67	38.2	09/09/2021 17:00	3.8	2.29	37.06	0.8	0.1	0.22	11.4	8.2	19.6
R68	24.4	28/07/2021 17:00	2.4	4.19	30.52	0.87	0.07	0.15	5.7	4.1	9.8

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	27.6	11/08/2021 17:00	2.8	2.93	32.70	0.87	0.07	0.14	6.3	4.1	10.4
R70	48.8	08/06/2021 16:00	4.9	1.72	14.17	0.74	0.07	0.10	9.1	22.6	31.7
R71	40.5	31/07/2021 16:00	4.0	1.52	28.34	0.83	0.07	0.06	6.4	4.1	10.5
R72	58.1	31/07/2021 16:00	5.8	1.52	28.34	0.83	0.07	0.07	9.6	4.1	13.7
R73	68.3	03/05/2021 16:00	6.8	0.86	34.88	0.8	0.1	0.07	11.3	12.3	23.6
R74	55.3	11/06/2021 16:00	5.5	1.40	22.89	0.83	0.07	0.12	11.4	< 0.1	11.4
R75	33.3	26/06/2021 16:00	3.3	1.73	29.43	0.83	0.07	0.18	8.7	< 0.1	8.7
R76	21.2	26/06/2021 17:00	2.1	1.24	28.34	0.83	0.07	0.18	5.6	< 0.1	5.6
R77	45.2	22/03/2021 17:00	4.5	1.23	8.72	0.635	0.1	0.10	8.7	22.6	31.3
R78	68.6	22/03/2021 17:00	6.9	1.23	8.72	0.635	0.1	0.10	13.3	22.6	35.8
R79	40.4	02/04/2021 17:00	4.0	1.69	55.59	0.85	0.1	0.16	9.9	6.1	16.1
R80	20.6	02/09/2021 17:00	2.1	1.59	34.88	0.8	0.1	0.22	6.1	10.2	16.3
R81	40.9	02/04/2021 17:00	4.1	1.69	55.59	0.85	0.1	0.17	10.5	6.1	16.6
R82	44.8	01/04/2021 17:00	4.5	1.89	18.53	0.635	0.1	0.13	9.7	24.6	34.3
R83	50.0	01/09/2021 17:00	5.0	1.60	33.79	0.8	0.1	0.18	13.0	22.6	35.5
R84	33.3	31/03/2021 17:00	3.3	2.51	33.79	0.8	0.1	0.17	8.4	8.2	16.6
R85	63.7	22/03/2021 17:00	6.4	1.23	8.72	0.635	0.1	0.12	13.5	22.6	36.1
R86	67.7	22/03/2021 17:00	6.8	1.23	8.72	0.635	0.1	0.12	13.9	22.6	36.4
R87	28.3	22/03/2021 17:00	2.8	1.23	8.72	0.635	0.1	0.13	6.2	22.6	28.8
R88	35.7	08/10/2021 17:00	3.6	2.19	38.15	0.8	0.1	0.17	9.1	8.2	17.3
R89	32.9	08/10/2021 17:00	3.3	2.19	38.15	0.8	0.1	0.18	8.7	8.2	16.9
R90	24.7	02/09/2021 17:00	2.5	1.59	34.88	0.8	0.1	0.22	7.3	10.2	17.6
R91	23.7	22/03/2021 17:00	2.4	1.23	8.72	0.635	0.1	0.15	5.6	22.6	28.1
R92	27.3	08/10/2021 17:00	2.7	2.19	38.15	0.8	0.1	0.20	7.7	8.2	15.9
R93	37.7	02/04/2021 17:00	3.8	1.69	55.59	0.85	0.1	0.19	10.1	6.1	16.3
R94	39.6	22/03/2021 17:00	4.0	1.23	8.72	0.635	0.1	0.15	9.2	22.6	31.8
R95	31.8	22/03/2021 17:00	3.2	1.23	8.72	0.635	0.1	0.16	7.9	22.6	30.4
R96	31.3	07/09/2021 17:00	3.1	2.00	35.97	0.8	0.1	0.23	9.5	< 0.1	9.5
R97	30.0	09/04/2021 17:00	3.0	1.35	30.52	0.8	0.1	0.24	9.5	6.1	15.7
R98	37.4	27/06/2021 17:00	3.7	1.02	13.08	0.74	0.07	0.17	9.5	< 0.1	9.5
R99	41.4	20/05/2021 17:00	4.1	1.16	22.89	0.74	0.1	0.20	11.8	8.2	20.0
R100	23.7	21/09/2021 17:00	2.4	2.19	32.70	0.8	0.1	0.21	6.8	2.0	8.9
R101	36.5	27/06/2021 17:00	3.6	1.02	13.08	0.74	0.07	0.18	9.7	< 0.1	9.7
R102	28.8	20/05/2021 17:00	2.9	1.16	22.89	0.74	0.1	0.22	8.5	8.2	16.7
R103	23.4	21/09/2021 17:00	2.3	2.19	32.70	0.8	0.1	0.26	7.8	2.0	9.8
R104	26.8	28/06/2021 17:00	2.7	1.61	13.08	0.74	0.07	0.19	7.4	22.6	29.9

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	5.4	02/07/2021 17:00	0.5	0.34	10.90	0.74	0.07	0.17	1.4	10.2	11.6
R106	24.6	02/07/2021 17:00	2.5	0.34	10.90	0.74	0.07	0.17	6.1	10.2	16.4
R107	24.0	15/07/2021 16:00	2.4	1.01	23.98	0.83	0.07	0.18	6.3	6.1	12.4
R108	17.1	24/09/2021 17:00	1.7	3.07	43.60	0.85	0.1	0.29	6.1	2.0	8.2
R109	31.2	19/07/2021 17:00	3.1	0.63	22.89	0.83	0.07	0.21	9.1	2.0	11.2
R110	24.4	19/07/2021 17:00	2.4	0.63	22.89	0.83	0.07	0.25	8.0	2.0	10.1
R111	23.3	09/09/2021 17:00	2.3	2.29	37.06	0.8	0.1	0.26	7.9	8.2	16.1
R112	23.4	11/06/2021 17:00	2.3	0.86	25.07	0.83	0.07	0.23	7.2	< 0.1	7.2
R113	19.0	14/04/2021 17:00	1.9	2.57	28.34	0.74	0.1	0.29	6.8	2.0	8.9
R114	15.9	20/08/2021 17:00	1.6	1.44	33.79	0.87	0.07	0.26	5.3	6.1	11.4
R115	25.5	15/07/2021 17:00	2.5	1.09	27.25	0.83	0.07	0.22	7.5	< 0.1	7.5
R116	15.5	02/07/2021 17:00	1.5	0.34	10.90	0.74	0.07	0.20	4.4	10.2	14.6
R117	21.7	15/07/2021 17:00	2.2	1.09	27.25	0.83	0.07	0.27	7.4	< 0.1	7.4
R118	12.2	16/05/2021 17:00	1.2	0.90	21.80	0.74	0.1	0.32	4.8	6.1	10.9
R119	39.8	09/09/2021 17:00	4.0	2.29	37.06	0.8	0.1	0.21	11.7	8.2	19.9
R120	23.0	11/06/2021 17:00	2.3	0.86	25.07	0.83	0.07	0.28	8.1	< 0.1	8.1
R121	29.5	13/06/2021 17:00	3.0	1.29	26.16	0.83	0.07	0.21	8.5	< 0.1	8.5
R122	32.9	13/05/2021 17:00	3.3	1.57	28.34	0.74	0.1	0.26	11.0	6.1	17.1
R123	27.5	13/05/2021 17:00	2.7	1.57	28.34	0.74	0.1	0.29	9.8	6.1	16.0
R124	16.8	23/09/2021 18:00	1.7	1.17	37.06	0.8	0.1	0.33	6.6	6.1	12.8
R125	25.6	26/05/2021 17:00	2.6	1.51	29.43	0.74	0.1	0.29	9.3	< 0.1	9.3
R126	12.6	23/09/2021 18:00	1.3	1.17	37.06	0.8	0.1	0.36	5.4	6.1	11.5
R127	56.1	30/05/2021 16:00	5.6	1.21	28.34	0.74	0.1	0.14	12.9	< 0.1	12.9
R128	53.5	07/09/2021 17:00	5.3	2.00	35.97	0.8	0.1	0.16	12.9	< 0.1	12.9

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	0.6	12.3	12.9	04/05/2021	< 0.1	54.9	55.0
19/02/2021	0.5	13.4	13.9	20/04/2021	< 0.1	46.2	46.2
29/01/2021	0.5	8.2	8.7	28/10/2021	< 0.1	36.6	36.6
22/03/2021	0.4	5.9	6.3	29/04/2021	< 0.1	36.0	36.0
10/03/2021	0.4	21.1	21.5	02/09/2021	< 0.1	36.0	36.0
02/11/2021	0.4	19.1	19.5	18/01/2021	< 0.1	35.8	35.8
09/11/2021	0.3	13.4	13.7	10/09/2021	< 0.1	35.5	35.5
23/11/2021	0.3	13.2	13.5	27/04/2021	< 0.1	35.4	35.4
21/10/2021	0.3	16.5	16.8	21/08/2021	< 0.1	34.6	34.6
30/11/2021	0.3	26.0	26.3	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R14				Highest cumulative PM ₁₀ impact – Receptor R14			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
13/07/2021	0.5	12.8	13.3	04/05/2021	< 0.1	54.9	55.0
08/03/2021	0.5	25.5	26.0	20/04/2021	0.2	46.2	46.4
04/07/2021	0.4	7.6	8.0	28/10/2021	< 0.1	36.6	36.7
12/02/2021	0.4	32.0	32.4	29/04/2021	0.1	36.0	36.1
04/09/2021	0.4	16.3	16.7	02/09/2021	< 0.1	36.0	36.0
10/08/2021	0.4	23.8	24.2	18/01/2021	0.2	35.8	36.0
26/01/2021	0.4	23.9	24.3	10/09/2021	< 0.1	35.5	35.5
03/05/2021	0.3	29.4	29.7	27/04/2021	< 0.1	35.4	35.4
07/12/2021	0.3	14.7	15.0	21/08/2021	0.3	34.6	34.9
15/12/2021	0.3	20.8	21.1	20/08/2021	0.2	34.1	34.3

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/11/2021	0.4	6.6	7.0	04/05/2021	< 0.1	54.9	54.9
16/03/2021	0.3	11.4	11.7	20/04/2021	< 0.1	46.2	46.2
28/11/2021	0.3	21.6	21.9	28/10/2021	< 0.1	36.6	36.6
27/01/2021	0.3	11.1	11.4	29/04/2021	< 0.1	36.0	36.0
15/02/2021	0.3	12.6	12.9	02/09/2021	< 0.1	36.0	36.0
31/01/2021	0.3	17.5	17.8	18/01/2021	< 0.1	35.8	35.8
27/12/2021	0.3	11.2	11.5	27/04/2021	0.2	35.4	35.6
28/06/2021	0.3	12.0	12.3	10/09/2021	< 0.1	35.5	35.6
13/09/2021	0.3	14.8	15.1	21/08/2021	< 0.1	34.6	34.6
27/11/2021	0.2	16.4	16.6	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R9			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	0.3	13.8	14.1	04/05/2021	< 0.1	54.9	54.9
18/03/2021	0.3	9.1	9.4	20/04/2021	< 0.1	46.2	46.2
11/11/2021	0.3	14.5	14.8	28/10/2021	< 0.1	36.6	36.6
20/03/2021	0.3	9.9	10.2	29/04/2021	< 0.1	36.0	36.0
23/11/2021	0.3	13.2	13.5	02/09/2021	< 0.1	36.0	36.0
28/01/2021	0.3	16.0	16.3	18/01/2021	< 0.1	35.8	35.8
12/10/2021	0.2	8.9	9.1	10/09/2021	< 0.1	35.5	35.5
17/03/2021	0.2	13.5	13.7	27/04/2021	< 0.1	35.4	35.4
08/11/2021	0.2	11.1	11.3	21/08/2021	< 0.1	34.6	34.6
24/02/2021	0.2	15.2	15.4	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
29/07/2021	0.3	10.9	11.2	04/05/2021	< 0.1	54.9	54.9
05/07/2021	0.3	10.9	11.2	20/04/2021	< 0.1	46.2	46.2
23/04/2021	0.3	29.9	30.2	28/10/2021	< 0.1	36.6	36.6
30/05/2021	0.3	8.1	8.4	29/04/2021	< 0.1	36.0	36.0
16/01/2021	0.2	25.0	25.2	02/09/2021	< 0.1	36.0	36.0
07/09/2021	0.2	13.3	13.5	18/01/2021	< 0.1	35.8	35.8
19/06/2021	0.2	7.6	7.8	10/09/2021	< 0.1	35.5	35.5
28/08/2021	0.2	11.1	11.3	27/04/2021	< 0.1	35.4	35.5
27/06/2021	0.2	10.2	10.4	21/08/2021	< 0.1	34.6	34.6
12/04/2021	0.2	16.9	17.1	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R4				Highest cumulative PM ₁₀ impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
29/07/2021	0.3	10.9	11.2	04/05/2021	< 0.1	54.9	54.9
05/07/2021	0.3	10.9	11.2	20/04/2021	< 0.1	46.2	46.2
23/04/2021	0.2	29.9	30.1	28/10/2021	< 0.1	36.6	36.6
16/01/2021	0.2	25.0	25.2	29/04/2021	< 0.1	36.0	36.0
27/05/2021	0.2	9.3	9.5	02/09/2021	< 0.1	36.0	36.0
07/09/2021	0.2	13.3	13.5	18/01/2021	< 0.1	35.8	35.8
04/06/2021	0.2	8.8	9.0	10/09/2021	< 0.1	35.5	35.5
05/08/2021	0.2	7.8	8.0	27/04/2021	< 0.1	35.4	35.4
27/06/2021	0.2	10.2	10.4	21/08/2021	< 0.1	34.6	34.6
25/08/2021	0.2	5.4	5.6	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R13				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/03/2021	0.3	5.9	6.2	04/05/2021	< 0.1	54.9	54.9
05/11/2021	0.3	9.8	10.1	20/04/2021	< 0.1	46.2	46.2
03/11/2021	0.2	17.8	18.0	28/10/2021	< 0.1	36.6	36.6
17/11/2021	0.2	21.5	21.7	29/04/2021	< 0.1	36.0	36.0
19/02/2021	0.2	13.4	13.6	02/09/2021	< 0.1	36.0	36.0
17/12/2021	0.2	19.2	19.3	18/01/2021	< 0.1	35.8	35.8
08/10/2021	0.2	30.5	30.7	10/09/2021	< 0.1	35.5	35.5
03/06/2021	0.2	22.7	22.9	27/04/2021	< 0.1	35.4	35.5
25/12/2021	0.2	12.7	12.9	21/08/2021	< 0.1	34.6	34.6
16/06/2021	0.2	14.2	14.4	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R3				Highest cumulative PM ₁₀ impact – Receptor R13			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
29/07/2021	0.3	10.9	11.2	04/05/2021	< 0.1	54.9	54.9
30/05/2021	0.2	8.1	8.3	20/04/2021	< 0.1	46.2	46.2
05/07/2021	0.2	10.9	11.1	28/10/2021	< 0.1	36.6	36.6
23/04/2021	0.2	29.9	30.1	29/04/2021	0.1	36.0	36.1
19/06/2021	0.2	7.6	7.8	02/09/2021	< 0.1	36.0	36.0
07/09/2021	0.2	13.3	13.5	18/01/2021	< 0.1	35.8	35.8
16/01/2021	0.2	25.0	25.2	10/09/2021	< 0.1	35.5	35.5
27/06/2021	0.2	10.2	10.4	27/04/2021	< 0.1	35.4	35.5
12/04/2021	0.2	16.9	17.1	21/08/2021	< 0.1	34.6	34.6
20/06/2021	0.2	8.0	8.2	20/08/2021	< 0.1	34.1	34.2

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R47			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	0.2	13.8	14.0	04/05/2021	< 0.1	54.9	54.9
05/12/2021	0.2	14.7	14.9	20/04/2021	< 0.1	46.2	46.2
16/02/2021	0.2	9.9	10.1	28/10/2021	< 0.1	36.6	36.6
28/01/2021	0.2	16.0	16.2	29/04/2021	< 0.1	36.0	36.0
18/03/2021	0.2	9.1	9.3	02/09/2021	< 0.1	36.0	36.0
08/01/2021	0.2	13.7	13.9	18/01/2021	< 0.1	35.8	35.8
22/11/2021	0.2	18.0	18.2	10/09/2021	< 0.1	35.5	35.5
19/01/2021	0.2	30.0	30.2	27/04/2021	< 0.1	35.4	35.4
06/01/2021	0.2	10.8	11.0	21/08/2021	< 0.1	34.6	34.6
08/02/2021	0.2	18.8	19.0	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R6				Highest cumulative PM ₁₀ impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
04/06/2021	0.2	8.8	9.0	04/05/2021	< 0.1	54.9	54.9
18/07/2021	0.2	5.7	5.9	20/04/2021	< 0.1	46.2	46.2
27/05/2021	0.1	9.3	9.4	28/10/2021	< 0.1	36.6	36.6
14/05/2021	0.1	9.5	9.6	29/04/2021	< 0.1	36.0	36.0
18/06/2021	0.1	7.0	7.1	02/09/2021	< 0.1	36.0	36.0
05/08/2021	0.1	7.8	7.9	18/01/2021	< 0.1	35.8	35.8
13/05/2021	0.1	13.2	13.3	10/09/2021	< 0.1	35.5	35.5
11/04/2021	0.1	9.5	9.6	27/04/2021	< 0.1	35.4	35.4
25/08/2021	0.1	5.4	5.5	21/08/2021	< 0.1	34.6	34.6
25/03/2021	0.1	9.7	9.8	20/08/2021	< 0.1	34.1	34.1

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	0.6	4.9	5.5	04/05/2021	< 0.1	40.3	40.4
19/02/2021	0.5	2.9	3.5	29/04/2021	< 0.1	21.8	21.8
29/01/2021	0.5	4.3	4.8	23/04/2021	< 0.1	19.5	19.5
22/03/2021	0.4	2.4	2.8	20/08/2021	< 0.1	19.2	19.2
10/03/2021	0.4	4.9	5.3	10/10/2021	< 0.1	16.9	17.0
02/11/2021	0.4	3.5	3.9	15/08/2021	< 0.1	16.1	16.1
09/11/2021	0.3	4.4	4.7	03/05/2021	< 0.1	14.9	14.9
23/11/2021	0.3	3.8	4.1	23/08/2021	< 0.1	14.7	14.7
21/10/2021	0.3	4.7	5.0	14/08/2021	< 0.1	14.3	14.3
30/11/2021	0.3	6.7	7.0	19/01/2021	0.1	13.8	13.9

Highest incremental PM _{2.5} impact – Receptor R14				Highest cumulative PM _{2.5} impact – Receptor R14			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
13/07/2021	0.5	5.0	5.5	04/05/2021	< 0.1	40.3	40.4
08/03/2021	0.5	6.1	6.6	29/04/2021	0.1	21.8	21.9
04/07/2021	0.4	6.3	6.7	23/04/2021	< 0.1	19.5	19.5
12/02/2021	0.4	11.0	11.4	20/08/2021	0.2	19.2	19.4
04/09/2021	0.4	5.3	5.7	10/10/2021	< 0.1	16.9	16.9
10/08/2021	0.4	7.6	8.0	15/08/2021	0.1	16.1	16.2
26/01/2021	0.4	9.3	9.7	03/05/2021	0.3	14.9	15.2
03/05/2021	0.3	14.9	15.2	23/08/2021	0.3	14.7	15.0
07/12/2021	0.3	3.6	3.9	14/08/2021	0.1	14.3	14.4
15/12/2021	0.3	4.4	4.7	21/08/2021	0.3	13.8	14.1

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/11/2021	0.4	1.9	2.3	04/05/2021	< 0.1	40.3	40.3
16/03/2021	0.3	1.2	1.5	29/04/2021	< 0.1	21.8	21.8
28/11/2021	0.3	5.6	5.9	23/04/2021	< 0.1	19.5	19.5
27/01/2021	0.3	7.0	7.3	20/08/2021	< 0.1	19.2	19.2
15/02/2021	0.3	4.7	5.0	10/10/2021	< 0.1	16.9	16.9
31/01/2021	0.3	8.1	8.4	15/08/2021	< 0.1	16.1	16.1
27/12/2021	0.3	2.0	2.3	03/05/2021	< 0.1	14.9	14.9
28/06/2021	0.3	4.5	4.8	23/08/2021	< 0.1	14.7	14.7
13/09/2021	0.3	3.2	3.5	14/08/2021	< 0.1	14.3	14.3
27/11/2021	0.2	6.0	6.2	30/04/2021	0.2	13.7	13.9

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R9			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	0.3	2.9	3.2	04/05/2021	< 0.1	40.3	40.3
18/03/2021	0.3	2.5	2.8	29/04/2021	< 0.1	21.8	21.8
11/11/2021	0.3	3.6	3.9	23/04/2021	< 0.1	19.5	19.5
20/03/2021	0.3	1.5	1.8	20/08/2021	< 0.1	19.2	19.2
23/11/2021	0.3	3.8	4.1	10/10/2021	< 0.1	16.9	16.9
28/01/2021	0.3	8.3	8.6	15/08/2021	< 0.1	16.1	16.1
12/10/2021	0.2	3.5	3.7	03/05/2021	< 0.1	14.9	14.9
17/03/2021	0.2	3.3	3.5	23/08/2021	< 0.1	14.7	14.7
08/11/2021	0.2	5.0	5.2	14/08/2021	< 0.1	14.3	14.3
24/02/2021	0.2	3.6	3.8	19/01/2021	0.1	13.8	13.9

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
29/07/2021	0.3	4.8	5.1	04/05/2021	< 0.1	40.3	40.3
05/07/2021	0.3	6.2	6.5	29/04/2021	< 0.1	21.8	21.8
23/04/2021	0.3	19.5	19.8	23/04/2021	0.3	19.5	19.8
30/05/2021	0.3	2.3	2.6	20/08/2021	< 0.1	19.2	19.2
16/01/2021	0.2	9.4	9.6	10/10/2021	< 0.1	16.9	16.9
07/09/2021	0.2	3.9	4.1	15/08/2021	< 0.1	16.1	16.1
19/06/2021	0.2	2.4	2.6	03/05/2021	< 0.1	14.9	14.9
28/08/2021	0.2	5.3	5.5	23/08/2021	< 0.1	14.7	14.7
27/06/2021	0.2	9.6	9.8	14/08/2021	< 0.1	14.3	14.4
12/04/2021	0.2	3.6	3.8	21/08/2021	< 0.1	13.8	13.8

Highest incremental PM _{2.5} impact – Receptor R4				Highest cumulative PM _{2.5} impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
29/07/2021	0.3	4.8	5.1	04/05/2021	< 0.1	40.3	40.3
05/07/2021	0.3	6.2	6.5	29/04/2021	< 0.1	21.8	21.8
23/04/2021	0.2	19.5	19.7	23/04/2021	< 0.1	19.5	19.5
16/01/2021	0.2	9.4	9.6	20/08/2021	< 0.1	19.2	19.2
27/05/2021	0.2	2.4	2.6	10/10/2021	0.1	16.9	17.0
07/09/2021	0.2	3.9	4.1	15/08/2021	< 0.1	16.1	16.1
04/06/2021	0.2	5.7	5.9	03/05/2021	< 0.1	14.9	14.9
05/08/2021	0.2	4.7	4.9	23/08/2021	< 0.1	14.7	14.7
27/06/2021	0.2	9.6	9.8	14/08/2021	< 0.1	14.3	14.3
25/08/2021	0.2	2.9	3.1	19/01/2021	0.2	13.8	14.0

Highest incremental PM _{2.5} impact – Receptor R13				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/03/2021	0.3	2.4	2.7	04/05/2021	< 0.1	40.3	40.3
05/11/2021	0.3	3.7	4.0	29/04/2021	< 0.1	21.8	21.8
03/11/2021	0.2	2.7	2.9	23/04/2021	0.2	19.5	19.7
17/11/2021	0.2	4.5	4.7	20/08/2021	< 0.1	19.2	19.2
19/02/2021	0.2	2.9	3.1	10/10/2021	< 0.1	16.9	16.9
17/12/2021	0.2	5.1	5.3	15/08/2021	< 0.1	16.1	16.1
08/10/2021	0.2	7.4	7.6	03/05/2021	< 0.1	14.9	14.9
03/06/2021	0.2	12.4	12.6	23/08/2021	< 0.1	14.7	14.7
25/12/2021	0.2	4.8	5.0	14/08/2021	< 0.1	14.3	14.3
16/06/2021	0.2	5.6	5.8	21/08/2021	< 0.1	13.8	13.8

Highest incremental PM _{2.5} impact – Receptor R3				Highest cumulative PM _{2.5} impact – Receptor R13			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
29/07/2021	0.3	4.8	5.1	04/05/2021	< 0.1	40.3	40.3
30/05/2021	0.2	2.3	2.5	29/04/2021	0.1	21.8	21.9
05/07/2021	0.2	6.2	6.4	23/04/2021	< 0.1	19.5	19.5
23/04/2021	0.2	19.5	19.7	20/08/2021	< 0.1	19.2	19.3
19/06/2021	0.2	2.4	2.6	10/10/2021	< 0.1	16.9	16.9
07/09/2021	0.2	3.9	4.1	15/08/2021	< 0.1	16.1	16.1
16/01/2021	0.2	9.4	9.6	03/05/2021	< 0.1	14.9	14.9
27/06/2021	0.2	9.6	9.8	23/08/2021	< 0.1	14.7	14.7
12/04/2021	0.2	3.6	3.8	14/08/2021	< 0.1	14.3	14.4
20/06/2021	0.2	1.2	1.4	30/04/2021	0.1	13.7	13.8

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R47			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	0.2	2.9	3.1	04/05/2021	< 0.1	40.3	40.3
05/12/2021	0.2	4.3	4.5	29/04/2021	< 0.1	21.8	21.8
16/02/2021	0.2	5.7	5.9	23/04/2021	< 0.1	19.5	19.5
28/01/2021	0.2	8.3	8.5	20/08/2021	< 0.1	19.2	19.2
18/03/2021	0.2	2.5	2.7	10/10/2021	< 0.1	16.9	16.9
08/01/2021	0.2	2.8	3.0	15/08/2021	< 0.1	16.1	16.1
22/11/2021	0.2	4.4	4.6	03/05/2021	< 0.1	14.9	14.9
19/01/2021	0.2	13.8	14.0	23/08/2021	< 0.1	14.7	14.7
06/01/2021	0.2	2.1	2.3	14/08/2021	< 0.1	14.3	14.3
08/02/2021	0.2	6.6	6.8	19/01/2021	< 0.1	13.8	13.8

Highest incremental PM _{2.5} impact – Receptor R6				Highest cumulative PM _{2.5} impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
04/06/2021	0.2	5.7	5.9	04/05/2021	< 0.1	40.3	40.3
18/07/2021	0.2	1.6	1.8	29/04/2021	< 0.1	21.8	21.8
27/05/2021	0.1	2.4	2.5	23/04/2021	0.2	19.5	19.7
14/05/2021	0.1	3.8	3.9	20/08/2021	< 0.1	19.2	19.2
18/06/2021	0.1	1.4	1.5	10/10/2021	< 0.1	16.9	16.9
05/08/2021	0.1	4.7	4.8	15/08/2021	< 0.1	16.1	16.1
13/05/2021	0.1	5.6	5.7	03/05/2021	< 0.1	14.9	14.9
11/04/2021	0.1	3.8	3.9	23/08/2021	< 0.1	14.7	14.7
25/08/2021	0.1	2.9	3.0	14/08/2021	< 0.1	14.3	14.3
25/03/2021	0.1	3.4	3.5	21/08/2021	< 0.1	13.8	13.8

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	0.4	0.4
R2	0.3	0.3
R3	0.3	0.3
R4	0.3	0.3
R5	0.1	0.1
R6	0.2	0.2
R7	0.1	0.1
R8	< 0.1	< 0.1
R9	0.1	0.1
R10	0.2	0.2
R11	0.3	0.3
R12	0.6	0.6
R13	0.3	0.3
R14	0.5	0.5
R15	0.2	0.2
R16	< 0.1	< 0.1
R17	< 0.1	< 0.1
R18	< 0.1	< 0.1
R19	< 0.1	< 0.1
R20	< 0.1	< 0.1
R21	< 0.1	< 0.1
R22	< 0.1	< 0.1
R23	< 0.1	< 0.1
R24	< 0.1	< 0.1
R25	< 0.1	< 0.1
R26	< 0.1	< 0.1
R27	< 0.1	< 0.1
R28	< 0.1	< 0.1
R29	< 0.1	< 0.1
R30	< 0.1	< 0.1
R31	< 0.1	< 0.1

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	< 0.1	< 0.1
R33	< 0.1	< 0.1
R34	< 0.1	< 0.1
R35	< 0.1	< 0.1
R36	< 0.1	< 0.1
R37	< 0.1	< 0.1
R38	< 0.1	< 0.1
R39	< 0.1	< 0.1
R40	< 0.1	< 0.1
R41	< 0.1	< 0.1
R42	< 0.1	< 0.1
R43	< 0.1	< 0.1
R44	0.1	0.1
R45	< 0.1	< 0.1
R46	< 0.1	< 0.1
R47	< 0.1	< 0.1
R48	< 0.1	< 0.1
R49	< 0.1	< 0.1
R50	< 0.1	< 0.1
R51	< 0.1	< 0.1
R52	< 0.1	< 0.1
R53	< 0.1	< 0.1
R54	< 0.1	< 0.1
R55	< 0.1	< 0.1
R56	< 0.1	< 0.1
R57	< 0.1	< 0.1
R58	< 0.1	< 0.1
R59	< 0.1	< 0.1
R60	< 0.1	< 0.1
R61	< 0.1	< 0.1
R62	< 0.1	< 0.1
R63	< 0.1	< 0.1
R64	< 0.1	< 0.1
R65	< 0.1	< 0.1
R66	< 0.1	< 0.1
R67	< 0.1	< 0.1

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	< 0.1	< 0.1
R69	< 0.1	< 0.1
R70	< 0.1	< 0.1
R71	< 0.1	< 0.1
R72	< 0.1	< 0.1
R73	< 0.1	< 0.1
R74	< 0.1	< 0.1
R75	< 0.1	< 0.1
R76	< 0.1	< 0.1
R77	< 0.1	< 0.1
R78	< 0.1	< 0.1
R79	< 0.1	< 0.1
R80	< 0.1	< 0.1
R81	< 0.1	< 0.1
R82	< 0.1	< 0.1
R83	< 0.1	< 0.1
R84	< 0.1	< 0.1
R85	< 0.1	< 0.1
R86	< 0.1	< 0.1
R87	< 0.1	< 0.1
R88	< 0.1	< 0.1
R89	< 0.1	< 0.1
R90	< 0.1	< 0.1
R91	< 0.1	< 0.1
R92	< 0.1	< 0.1
R93	< 0.1	< 0.1
R94	< 0.1	< 0.1
R95	< 0.1	< 0.1
R96	< 0.1	< 0.1
R97	< 0.1	< 0.1
R98	< 0.1	< 0.1
R99	< 0.1	< 0.1
R100	< 0.1	< 0.1
R101	< 0.1	< 0.1
R102	< 0.1	< 0.1
R103	< 0.1	< 0.1

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R104	< 0.1	< 0.1
R105	< 0.1	< 0.1
R106	< 0.1	< 0.1
R107	< 0.1	< 0.1
R108	< 0.1	< 0.1
R109	< 0.1	< 0.1
R110	< 0.1	< 0.1
R111	< 0.1	< 0.1
R112	< 0.1	< 0.1
R113	< 0.1	< 0.1
R114	< 0.1	< 0.1
R115	< 0.1	< 0.1
R116	< 0.1	< 0.1
R117	< 0.1	< 0.1
R118	< 0.1	< 0.1
R119	< 0.1	< 0.1
R120	< 0.1	< 0.1
R121	< 0.1	< 0.1
R122	< 0.1	< 0.1
R123	< 0.1	< 0.1
R124	< 0.1	< 0.1
R125	< 0.1	< 0.1
R126	< 0.1	< 0.1
R127	< 0.1	< 0.1
R128	< 0.1	< 0.1

Particulate matter – annual averages

Annual average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	PM2.5 ($\mu\text{g}/\text{m}^3$)			PM10 ($\mu\text{g}/\text{m}^3$)			TSP ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			8			25			90
R1	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R2	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R3	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R4	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R5	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R6	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R7	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R8	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R9	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R10	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R11	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R12	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R13	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R14	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R15	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R16	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R17	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R18	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R19	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R20	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R21	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R22	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R23	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R24	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R25	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R26	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R27	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R28	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R29	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R30	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Rec.	PM2.5 (µg/m³)			PM10 (µg/m³)			TSP (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R32	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R33	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R34	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R35	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R36	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R37	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R38	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R39	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R40	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R41	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R42	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R43	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R44	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R45	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R46	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R47	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R48	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R49	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R50	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R51	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R52	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R53	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R54	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R55	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R56	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R57	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R58	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R59	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R60	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R61	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R62	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R63	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R64	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R65	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Rec.	PM2.5 (µg/m³)			PM10 (µg/m³)			TSP (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R67	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R68	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R69	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R70	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R71	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R72	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R73	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R74	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R75	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R76	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R77	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R78	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R79	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R80	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R81	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R82	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R83	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R84	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R85	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R86	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R87	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R88	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R89	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R90	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R91	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R92	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R93	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R94	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R95	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R96	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R97	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R98	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R99	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R100	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Rec.	PM2.5 (µg/m³)			PM10 (µg/m³)			TSP (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R102	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R103	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R104	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R105	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R106	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R107	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R108	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R109	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R110	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R111	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R112	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R113	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R114	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R115	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R116	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R117	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R118	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R119	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R120	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R121	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R122	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R123	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R124	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R125	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R126	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R127	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R128	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R2	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R3	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R4	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R7	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R8	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R9	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R10	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R11	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R12	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R13	< 0.1	0.3	0.4	< 0.1	0.2	0.3	< 0.1	< 0.1	< 0.1
R14	0.1	0.2	0.3	0.1	0.1	0.2	< 0.1	< 0.1	0.1
R15	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R16	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R17	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R18	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R19	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R20	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R21	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R22	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R23	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R24	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R25	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R27	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R28	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R29	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R30	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R32	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R33	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R34	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R35	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R36	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R37	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R38	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R39	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.3
R40	< 0.1	0.2	0.2	< 0.1	0.1	0.2	< 0.1	< 0.1	< 0.1
R41	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R42	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R43	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R44	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R45	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R46	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R47	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R48	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R49	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R50	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R51	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R52	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R53	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R54	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R55	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R56	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R57	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R58	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R59	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R60	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R61	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R62	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R63	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R64	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R65	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R67	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R68	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R69	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R70	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R71	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R72	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R73	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R74	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R75	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R76	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R77	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R78	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R79	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R80	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R81	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R82	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R83	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	0.1	0.1
R84	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R85	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R86	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R87	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R88	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R89	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R90	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R91	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R92	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R93	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R94	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R95	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R96	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R97	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R98	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R99	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R102	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R104	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R105	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R106	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R107	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R108	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R109	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R110	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R111	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R112	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R113	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R114	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.3
R115	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R116	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R117	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R118	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R119	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R120	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R121	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R122	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R123	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R124	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R125	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R126	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R127	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R128	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R2	0.2	2.9	3.0	< 0.1	1.0	1.0
R3	0.2	< 0.1	0.2	< 0.1	1.0	1.0
R4	0.2	2.9	3.0	< 0.1	1.0	1.0
R5	0.1	2.9	3.0	< 0.1	0.4	0.4
R6	0.1	2.9	3.0	< 0.1	1.3	1.3
R7	< 0.1	< 0.1	< 0.1	< 0.1	1.5	1.6
R8	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R9	0.1	< 0.1	0.1	< 0.1	0.2	0.3
R10	0.2	< 0.1	0.2	< 0.1	0.2	0.3
R11	0.2	< 0.1	0.2	< 0.1	0.6	0.6
R12	0.2	< 0.1	0.2	< 0.1	< 0.1	< 0.1
R13	0.2	< 0.1	0.2	< 0.1	0.4	0.4
R14	0.3	< 0.1	0.3	< 0.1	2.5	2.6
R15	0.1	2.9	3.0	< 0.1	0.6	0.6
R16	< 0.1	< 0.1	< 0.1	< 0.1	1.5	1.6
R17	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R18	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R19	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R20	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R21	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R22	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R23	< 0.1	< 0.1	< 0.1	< 0.1	3.6	3.6
R24	< 0.1	< 0.1	< 0.1	< 0.1	3.6	3.6
R25	< 0.1	< 0.1	< 0.1	< 0.1	1.0	1.0
R26	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R27	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R28	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R29	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R30	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	< 0.1	< 0.1	< 0.1	< 0.1	2.5	2.5
R32	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R33	< 0.1	< 0.1	< 0.1	< 0.1	1.0	1.0
R34	< 0.1	< 0.1	< 0.1	< 0.1	1.0	1.0
R35	< 0.1	< 0.1	< 0.1	< 0.1	3.6	3.6
R36	< 0.1	2.9	2.9	< 0.1	1.5	1.6
R37	< 0.1	2.9	2.9	< 0.1	1.5	1.6
R38	< 0.1	< 0.1	< 0.1	< 0.1	1.1	1.1
R39	< 0.1	< 0.1	< 0.1	< 0.1	1.4	1.4
R40	< 0.1	2.9	2.9	< 0.1	0.7	0.7
R41	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R42	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R43	< 0.1	2.9	2.9	< 0.1	1.3	1.3
R44	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R45	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R46	< 0.1	< 0.1	< 0.1	< 0.1	1.4	1.4
R47	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R48	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R49	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R50	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R51	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R52	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R53	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R54	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R55	< 0.1	< 0.1	< 0.1	< 0.1	3.6	3.6
R56	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R57	< 0.1	< 0.1	< 0.1	< 0.1	2.5	2.5
R58	< 0.1	< 0.1	< 0.1	< 0.1	1.4	1.4
R59	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R60	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R61	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R62	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R63	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R64	< 0.1	< 0.1	< 0.1	< 0.1	1.3	1.3
R65	< 0.1	2.9	2.9	< 0.1	1.5	1.6

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	< 0.1	2.9	2.9	< 0.1	1.1	1.1
R67	< 0.1	< 0.1	< 0.1	< 0.1	1.7	1.7
R68	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R69	< 0.1	< 0.1	< 0.1	< 0.1	1.9	1.9
R70	< 0.1	< 0.1	< 0.1	< 0.1	1.9	1.9
R71	< 0.1	< 0.1	< 0.1	< 0.1	4.2	4.2
R72	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R73	< 0.1	< 0.1	< 0.1	< 0.1	3.7	3.7
R74	< 0.1	2.9	2.9	< 0.1	1.5	1.6
R75	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R76	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R77	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R78	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R79	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R80	< 0.1	< 0.1	< 0.1	< 0.1	1.3	1.3
R81	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R82	< 0.1	< 0.1	< 0.1	< 0.1	2.1	2.1
R83	< 0.1	2.9	2.9	< 0.1	2.1	2.1
R84	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R85	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R86	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R87	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R88	< 0.1	< 0.1	< 0.1	< 0.1	1.3	1.3
R89	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R90	< 0.1	< 0.1	< 0.1	< 0.1	1.3	1.3
R91	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R92	< 0.1	< 0.1	< 0.1	< 0.1	1.3	1.3
R93	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R94	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R95	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R96	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R97	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R98	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R99	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R100	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R102	< 0.1	< 0.1	< 0.1	< 0.1	3.6	3.6
R103	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R104	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R105	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R106	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R107	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R108	< 0.1	2.9	2.9	< 0.1	1.1	1.1
R109	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R110	< 0.1	< 0.1	< 0.1	< 0.1	1.5	1.6
R111	< 0.1	< 0.1	< 0.1	< 0.1	1.2	1.2
R112	< 0.1	2.9	2.9	< 0.1	1.5	1.6
R113	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R114	< 0.1	< 0.1	< 0.1	< 0.1	1.4	1.4
R115	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R116	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R117	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R118	< 0.1	< 0.1	< 0.1	< 0.1	1.5	1.6
R119	< 0.1	< 0.1	< 0.1	< 0.1	1.2	1.2
R120	< 0.1	2.9	2.9	< 0.1	1.5	1.6
R121	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R122	< 0.1	2.9	2.9	< 0.1	1.3	1.3
R123	< 0.1	2.9	2.9	< 0.1	0.8	0.8
R124	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R125	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R126	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R127	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R128	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	4.02E-10	2.71E-05	9.79E-06	6.82E-06	2.75E-06
R2	4.19E-10	2.82E-05	1.02E-05	7.10E-06	2.87E-06
R3	3.63E-10	2.45E-05	8.83E-06	6.16E-06	2.49E-06
R4	3.96E-10	2.67E-05	9.62E-06	6.71E-06	2.71E-06
R5	2.06E-10	1.39E-05	5.00E-06	3.49E-06	1.41E-06
R6	2.50E-10	1.68E-05	6.08E-06	4.24E-06	1.71E-06
R7	2.02E-10	1.36E-05	4.92E-06	3.43E-06	1.38E-06
R8	1.76E-10	1.18E-05	4.27E-06	2.97E-06	1.20E-06
R9	2.10E-10	1.42E-05	5.12E-06	3.57E-06	1.44E-06
R10	3.10E-10	2.09E-05	7.54E-06	5.25E-06	2.12E-06
R11	3.96E-10	2.67E-05	9.63E-06	6.71E-06	2.71E-06
R12	5.91E-10	3.98E-05	1.44E-05	1.00E-05	4.04E-06
R13	4.30E-10	2.90E-05	1.05E-05	7.29E-06	2.94E-06
R14	6.17E-10	4.16E-05	1.50E-05	1.05E-05	4.22E-06
R15	2.06E-10	1.39E-05	5.01E-06	3.50E-06	1.41E-06
R16	2.71E-11	1.83E-06	6.59E-07	4.59E-07	1.85E-07
R17	2.23E-11	1.50E-06	5.41E-07	3.77E-07	1.52E-07
R18	1.96E-11	1.32E-06	4.76E-07	3.32E-07	1.34E-07
R19	2.97E-11	2.00E-06	7.22E-07	5.03E-07	2.03E-07
R20	5.65E-11	3.81E-06	1.37E-06	9.58E-07	3.87E-07
R21	4.69E-11	3.16E-06	1.14E-06	7.95E-07	3.21E-07
R22	3.46E-11	2.33E-06	8.42E-07	5.87E-07	2.37E-07
R23	2.30E-11	1.55E-06	5.59E-07	3.89E-07	1.57E-07
R24	2.31E-11	1.56E-06	5.62E-07	3.92E-07	1.58E-07
R25	2.24E-11	1.51E-06	5.44E-07	3.79E-07	1.53E-07
R26	2.85E-11	1.92E-06	6.93E-07	4.83E-07	1.95E-07
R27	7.15E-12	4.82E-07	1.74E-07	1.21E-07	4.89E-08
R28	4.54E-11	3.06E-06	1.10E-06	7.70E-07	3.11E-07
R29	4.80E-11	3.24E-06	1.17E-06	8.14E-07	3.29E-07
R30	4.67E-11	3.15E-06	1.14E-06	7.92E-07	3.20E-07
R31	6.52E-11	4.39E-06	1.59E-06	1.10E-06	4.46E-07
R32	3.78E-11	2.54E-06	9.18E-07	6.40E-07	2.58E-07

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	2.35E-11	1.58E-06	5.70E-07	3.97E-07	1.60E-07
R34	2.22E-11	1.49E-06	5.39E-07	3.76E-07	1.52E-07
R35	3.21E-11	2.16E-06	7.80E-07	5.44E-07	2.20E-07
R36	2.17E-11	1.46E-06	5.28E-07	3.68E-07	1.49E-07
R37	2.15E-11	1.45E-06	5.24E-07	3.65E-07	1.47E-07
R38	7.43E-11	5.01E-06	1.81E-06	1.26E-06	5.08E-07
R39	3.79E-11	2.55E-06	9.22E-07	6.42E-07	2.59E-07
R40	1.22E-10	8.19E-06	2.96E-06	2.06E-06	8.32E-07
R41	1.18E-10	7.97E-06	2.88E-06	2.01E-06	8.10E-07
R42	1.14E-10	7.67E-06	2.77E-06	1.93E-06	7.79E-07
R43	1.34E-10	9.01E-06	3.25E-06	2.27E-06	9.15E-07
R44	1.71E-10	1.15E-05	4.17E-06	2.90E-06	1.17E-06
R45	1.22E-10	8.25E-06	2.98E-06	2.08E-06	8.38E-07
R46	1.22E-10	8.24E-06	2.98E-06	2.07E-06	8.37E-07
R47	1.74E-10	1.17E-05	4.23E-06	2.95E-06	1.19E-06
R48	1.83E-10	1.24E-05	4.46E-06	3.11E-06	1.25E-06
R49	1.04E-10	7.02E-06	2.54E-06	1.77E-06	7.13E-07
R50	1.11E-10	7.49E-06	2.70E-06	1.89E-06	7.61E-07
R51	5.25E-11	3.53E-06	1.28E-06	8.89E-07	3.59E-07
R52	4.06E-11	2.73E-06	9.86E-07	6.88E-07	2.78E-07
R53	4.76E-11	3.20E-06	1.16E-06	8.06E-07	3.25E-07
R54	4.35E-11	2.93E-06	1.06E-06	7.38E-07	2.98E-07
R55	4.46E-11	3.01E-06	1.09E-06	7.57E-07	3.05E-07
R56	6.85E-11	4.62E-06	1.67E-06	1.16E-06	4.69E-07
R57	6.60E-11	4.44E-06	1.60E-06	1.12E-06	4.51E-07
R58	6.94E-11	4.67E-06	1.69E-06	1.18E-06	4.75E-07
R59	7.19E-11	4.85E-06	1.75E-06	1.22E-06	4.92E-07
R60	4.14E-11	2.79E-06	1.01E-06	7.02E-07	2.84E-07
R61	3.95E-11	2.66E-06	9.62E-07	6.70E-07	2.71E-07
R62	4.34E-11	2.93E-06	1.06E-06	7.36E-07	2.97E-07
R63	3.01E-11	2.03E-06	7.32E-07	5.10E-07	2.06E-07
R64	2.86E-11	1.92E-06	6.95E-07	4.84E-07	1.95E-07
R65	3.51E-11	2.36E-06	8.54E-07	5.95E-07	2.40E-07
R66	2.18E-11	1.47E-06	5.30E-07	3.69E-07	1.49E-07
R67	5.90E-11	3.97E-06	1.43E-06	1.00E-06	4.04E-07
R68	1.32E-11	8.92E-07	3.22E-07	2.24E-07	9.06E-08
R69	1.69E-11	1.14E-06	4.12E-07	2.87E-07	1.16E-07

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	3.09E-11	2.08E-06	7.52E-07	5.24E-07	2.12E-07
R71	7.36E-11	4.96E-06	1.79E-06	1.25E-06	5.03E-07
R72	1.01E-10	6.83E-06	2.46E-06	1.72E-06	6.93E-07
R73	1.24E-10	8.35E-06	3.01E-06	2.10E-06	8.48E-07
R74	4.93E-11	3.32E-06	1.20E-06	8.35E-07	3.37E-07
R75	2.79E-11	1.88E-06	6.79E-07	4.73E-07	1.91E-07
R76	2.74E-11	1.85E-06	6.66E-07	4.64E-07	1.87E-07
R77	3.96E-11	2.67E-06	9.63E-07	6.71E-07	2.71E-07
R78	4.37E-11	2.94E-06	1.06E-06	7.40E-07	2.99E-07
R79	3.15E-11	2.13E-06	7.67E-07	5.35E-07	2.16E-07
R80	2.50E-11	1.68E-06	6.07E-07	4.23E-07	1.71E-07
R81	3.80E-11	2.56E-06	9.25E-07	6.45E-07	2.60E-07
R82	5.94E-11	4.00E-06	1.45E-06	1.01E-06	4.07E-07
R83	3.96E-11	2.67E-06	9.64E-07	6.72E-07	2.71E-07
R84	5.29E-11	3.57E-06	1.29E-06	8.97E-07	3.62E-07
R85	3.16E-11	2.13E-06	7.69E-07	5.36E-07	2.16E-07
R86	3.32E-11	2.24E-06	8.08E-07	5.63E-07	2.27E-07
R87	2.82E-11	1.90E-06	6.85E-07	4.77E-07	1.93E-07
R88	3.15E-11	2.12E-06	7.67E-07	5.34E-07	2.16E-07
R89	2.64E-11	1.78E-06	6.43E-07	4.48E-07	1.81E-07
R90	2.47E-11	1.66E-06	6.01E-07	4.19E-07	1.69E-07
R91	2.40E-11	1.61E-06	5.82E-07	4.06E-07	1.64E-07
R92	2.78E-11	1.88E-06	6.77E-07	4.72E-07	1.90E-07
R93	2.57E-11	1.73E-06	6.24E-07	4.35E-07	1.76E-07
R94	2.52E-11	1.70E-06	6.13E-07	4.27E-07	1.72E-07
R95	2.07E-11	1.39E-06	5.03E-07	3.51E-07	1.42E-07
R96	4.87E-11	3.28E-06	1.18E-06	8.25E-07	3.33E-07
R97	3.68E-11	2.48E-06	8.96E-07	6.24E-07	2.52E-07
R98	3.81E-11	2.57E-06	9.27E-07	6.46E-07	2.61E-07
R99	5.48E-11	3.69E-06	1.33E-06	9.28E-07	3.75E-07
R100	3.51E-11	2.36E-06	8.54E-07	5.95E-07	2.40E-07
R101	3.64E-11	2.45E-06	8.85E-07	6.17E-07	2.49E-07
R102	3.62E-11	2.44E-06	8.79E-07	6.13E-07	2.47E-07
R103	2.49E-11	1.68E-06	6.05E-07	4.22E-07	1.70E-07
R104	3.06E-11	2.06E-06	7.43E-07	5.18E-07	2.09E-07
R105	8.92E-12	6.01E-07	2.17E-07	1.51E-07	6.10E-08
R106	9.75E-12	6.57E-07	2.37E-07	1.65E-07	6.67E-08

Nitrogen dioxide (NO₂)

Maximum 1-hour and annual average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)			Annual ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			164			31
R1	35.5	4.1	39.6	< 0.1	8.3	8.3
R2	45.9	< 0.1	45.9	< 0.1	8.3	8.3
R3	41.8	< 0.1	41.8	< 0.1	8.3	8.3
R4	36.2	< 0.1	36.2	< 0.1	8.3	8.3
R5	26.7	2.0	28.7	< 0.1	8.3	8.3
R6	21.9	< 0.1	21.9	< 0.1	8.3	8.3
R7	24.3	< 0.1	24.3	< 0.1	8.3	8.3
R8	19.4	< 0.1	19.4	< 0.1	8.3	8.3
R9	26.7	2.0	28.7	< 0.1	8.3	8.3
R10	35.4	6.1	41.6	< 0.1	8.3	8.3
R11	33.3	6.1	39.5	< 0.1	8.3	8.3
R12	37.8	4.1	41.9	< 0.1	8.3	8.3
R13	33.6	16.4	50.0	< 0.1	8.3	8.3
R14	71.3	10.2	81.5	0.1	8.3	8.4
R15	36.5	8.2	44.7	< 0.1	8.3	8.3
R16	9.8	4.1	13.9	< 0.1	8.3	8.3
R17	9.3	2.0	11.3	< 0.1	8.3	8.3
R18	9.5	< 0.1	9.5	< 0.1	8.3	8.3
R19	15.5	2.0	17.5	< 0.1	8.3	8.3
R20	15.0	< 0.1	15.0	< 0.1	8.3	8.3
R21	15.7	< 0.1	15.7	< 0.1	8.3	8.3
R22	15.5	8.2	23.7	< 0.1	8.3	8.3
R23	11.8	8.2	20.0	< 0.1	8.3	8.3
R24	13.4	8.2	21.6	< 0.1	8.3	8.3
R25	12.0	2.0	14.1	< 0.1	8.3	8.3
R26	12.0	22.6	34.5	< 0.1	8.3	8.3
R27	8.5	10.2	18.8	< 0.1	8.3	8.3
R28	16.3	8.2	24.5	< 0.1	8.3	8.3
R29	15.6	< 0.1	15.6	< 0.1	8.3	8.3
R30	16.5	< 0.1	16.5	< 0.1	8.3	8.3

Rec.	1-hour (max incr.) (µg/m³)			Annual (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	17.6	20.5	38.1	< 0.1	8.3	8.3
R32	12.1	22.6	34.7	< 0.1	8.3	8.3
R33	11.0	2.0	13.1	< 0.1	8.3	8.3
R34	11.4	2.0	13.4	< 0.1	8.3	8.3
R35	17.2	8.2	25.4	< 0.1	8.3	8.3
R36	9.3	2.0	11.4	< 0.1	8.3	8.3
R37	9.3	2.0	11.3	< 0.1	8.3	8.3
R38	21.4	< 0.1	21.4	< 0.1	8.3	8.3
R39	18.6	6.1	24.7	< 0.1	8.3	8.3
R40	31.0	4.1	35.1	< 0.1	8.3	8.3
R41	18.0	< 0.1	18.0	< 0.1	8.3	8.3
R42	19.9	< 0.1	19.9	< 0.1	8.3	8.3
R43	16.7	< 0.1	16.7	< 0.1	8.3	8.3
R44	19.7	16.4	36.1	< 0.1	8.3	8.3
R45	16.1	16.4	32.5	< 0.1	8.3	8.3
R46	25.6	< 0.1	25.6	< 0.1	8.3	8.3
R47	32.1	4.1	36.2	< 0.1	8.3	8.3
R48	20.9	2.0	23.0	< 0.1	8.3	8.3
R49	19.8	< 0.1	19.8	< 0.1	8.3	8.3
R50	19.0	< 0.1	19.0	< 0.1	8.3	8.3
R51	15.3	2.0	17.3	< 0.1	8.3	8.3
R52	15.7	< 0.1	15.7	< 0.1	8.3	8.3
R53	16.9	2.0	19.0	< 0.1	8.3	8.3
R54	13.3	8.2	21.5	< 0.1	8.3	8.3
R55	11.7	2.0	13.7	< 0.1	8.3	8.3
R56	15.6	< 0.1	15.6	< 0.1	8.3	8.3
R57	17.2	20.5	37.7	< 0.1	8.3	8.3
R58	18.7	< 0.1	18.7	< 0.1	8.3	8.3
R59	18.1	10.2	28.4	< 0.1	8.3	8.3
R60	14.1	6.1	20.2	< 0.1	8.3	8.3
R61	13.4	6.1	19.6	< 0.1	8.3	8.3
R62	10.5	8.2	18.7	< 0.1	8.3	8.3
R63	14.2	4.1	18.3	< 0.1	8.3	8.3
R64	17.1	12.3	29.4	< 0.1	8.3	8.3
R65	14.1	< 0.1	14.1	< 0.1	8.3	8.3

Rec.	1-hour (max incr.) (µg/m³)			Annual (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	13.0	2.0	15.0	< 0.1	8.3	8.3
R67	18.1	8.2	26.3	< 0.1	8.3	8.3
R68	12.3	4.1	16.4	< 0.1	8.3	8.3
R69	7.9	4.1	12.0	< 0.1	8.3	8.3
R70	10.7	4.1	14.8	< 0.1	8.3	8.3
R71	24.8	2.0	26.9	< 0.1	8.3	8.3
R72	33.9	2.0	35.9	< 0.1	8.3	8.3
R73	35.4	12.3	47.7	< 0.1	8.3	8.3
R74	12.4	< 0.1	12.4	< 0.1	8.3	8.3
R75	11.8	< 0.1	11.8	< 0.1	8.3	8.3
R76	6.5	< 0.1	6.5	< 0.1	8.3	8.3
R77	13.1	22.6	35.6	< 0.1	8.3	8.3
R78	14.7	22.6	37.2	< 0.1	8.3	8.3
R79	12.4	6.1	18.6	< 0.1	8.3	8.3
R80	15.1	10.2	25.4	< 0.1	8.3	8.3
R81	10.1	6.1	16.2	< 0.1	8.3	8.3
R82	6.3	10.2	16.6	< 0.1	8.3	8.3
R83	16.1	10.2	26.4	< 0.1	8.3	8.3
R84	13.4	8.2	21.6	< 0.1	8.3	8.3
R85	16.7	22.6	39.2	< 0.1	8.3	8.3
R86	18.6	22.6	41.2	< 0.1	8.3	8.3
R87	9.8	22.6	32.3	< 0.1	8.3	8.3
R88	16.2	8.2	24.4	< 0.1	8.3	8.3
R89	14.9	8.2	23.1	< 0.1	8.3	8.3
R90	14.9	12.3	27.2	< 0.1	8.3	8.3
R91	8.5	22.6	31.1	< 0.1	8.3	8.3
R92	14.5	8.2	22.7	< 0.1	8.3	8.3
R93	11.6	6.1	17.8	< 0.1	8.3	8.3
R94	10.9	22.6	33.4	< 0.1	8.3	8.3
R95	9.6	22.6	32.1	< 0.1	8.3	8.3
R96	10.2	< 0.1	10.2	< 0.1	8.3	8.3
R97	11.1	< 0.1	11.1	< 0.1	8.3	8.3
R98	12.9	< 0.1	12.9	< 0.1	8.3	8.3
R99	19.8	8.2	28.0	< 0.1	8.3	8.3
R100	11.0	22.6	33.6	< 0.1	8.3	8.3

Rec.	1-hour (max incr.) (µg/m³)			Annual (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	8.3	< 0.1	8.3	< 0.1	8.3	8.3
R102	11.1	8.2	19.3	< 0.1	8.3	8.3
R103	13.3	2.0	15.4	< 0.1	8.3	8.3
R104	11.9	22.6	34.4	< 0.1	8.3	8.3
R105	3.6	4.1	7.7	< 0.1	8.3	8.3
R106	10.4	10.2	20.6	< 0.1	8.3	8.3
R107	12.5	2.0	14.6	< 0.1	8.3	8.3
R108	9.5	< 0.1	9.5	< 0.1	8.3	8.3
R109	12.8	2.0	14.9	< 0.1	8.3	8.3
R110	10.1	2.0	12.2	< 0.1	8.3	8.3
R111	11.2	8.2	19.4	< 0.1	8.3	8.3
R112	10.8	2.0	12.9	< 0.1	8.3	8.3
R113	12.6	8.2	20.8	< 0.1	8.3	8.3
R114	9.7	16.4	26.1	< 0.1	8.3	8.3
R115	15.5	< 0.1	15.5	< 0.1	8.3	8.3
R116	6.6	10.2	16.8	< 0.1	8.3	8.3
R117	13.5	< 0.1	13.5	< 0.1	8.3	8.3
R118	8.6	6.1	14.8	< 0.1	8.3	8.3
R119	16.6	8.2	24.8	< 0.1	8.3	8.3
R120	10.2	< 0.1	10.2	< 0.1	8.3	8.3
R121	9.8	< 0.1	9.8	< 0.1	8.3	8.3
R122	10.4	< 0.1	10.4	< 0.1	8.3	8.3
R123	11.8	< 0.1	11.8	< 0.1	8.3	8.3
R124	7.5	< 0.1	7.5	< 0.1	8.3	8.3
R125	11.7	< 0.1	11.7	< 0.1	8.3	8.3
R126	4.3	6.1	10.5	< 0.1	8.3	8.3
R127	19.7	< 0.1	19.7	< 0.1	8.3	8.3
R128	14.5	< 0.1	14.5	< 0.1	8.3	8.3

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	282.5	12/04/2021 17:00	28.2	0.84	26.16	0.74	0.1	0.03	35.5	4.1	39.6
R2	390.6	14/03/2021 17:00	39.1	1.83	15.26	0.635	0.1	0.02	45.9	< 0.1	45.9
R3	345.9	14/03/2021 17:00	34.6	1.83	15.26	0.635	0.1	0.02	41.8	< 0.1	41.8
R4	306.4	14/03/2021 17:00	30.6	1.83	15.26	0.635	0.1	0.02	36.2	< 0.1	36.2
R5	204.3	20/06/2021 16:00	20.4	1.20	26.16	0.83	0.07	0.03	26.7	2.0	28.7
R6	166.8	13/06/2021 16:00	16.7	1.50	27.25	0.83	0.07	0.03	21.9	< 0.1	21.9
R7	166.2	05/07/2021 16:00	16.6	1.32	28.34	0.83	0.07	0.05	24.3	< 0.1	24.3
R8	126.8	05/07/2021 16:00	12.7	1.32	28.34	0.83	0.07	0.06	19.4	< 0.1	19.4
R9	230.7	28/08/2021 17:00	23.1	0.79	1.09	0.49	0.05	0.02	26.7	2.0	28.7
R10	271.0	07/04/2021 17:00	27.1	1.19	16.35	0.635	0.1	0.03	35.4	6.1	41.6
R11	259.9	17/03/2021 17:00	26.0	1.26	16.35	0.635	0.1	0.03	33.3	6.1	39.5
R12	305.3	21/03/2021 08:00	30.5	2.31	17.44	0.635	0.1	0.03	37.8	4.1	41.9
R13	268.7	22/03/2021 15:00	26.9	0.98	14.17	0.635	0.1	0.03	33.6	16.4	50.0
R14	676.2	23/08/2021 08:00	67.6	0.93	2.18	0.49	0.05	0.01	71.3	10.2	81.5
R15	263.3	04/09/2021 17:00	26.3	1.41	20.71	0.74	0.1	0.04	36.5	8.2	44.7
R16	32.7	03/08/2021 17:00	3.3	3.61	32.70	0.87	0.07	0.22	9.8	4.1	13.9
R17	21.3	04/10/2021 17:00	2.1	4.30	35.97	0.8	0.1	0.37	9.3	2.0	11.3
R18	26.1	11/06/2021 17:00	2.6	0.86	25.07	0.83	0.07	0.29	9.5	< 0.1	9.5
R19	53.5	21/09/2021 17:00	5.4	2.19	32.70	0.8	0.1	0.21	15.5	2.0	17.5
R20	51.5	30/05/2021 17:00	5.1	0.34	26.16	0.74	0.1	0.21	15.0	< 0.1	15.0
R21	52.0	30/05/2021 17:00	5.2	0.34	26.16	0.74	0.1	0.22	15.7	< 0.1	15.7
R22	46.0	20/05/2021 17:00	4.6	1.16	22.89	0.74	0.1	0.26	15.5	8.2	23.7
R23	35.7	20/05/2021 17:00	3.6	1.16	22.89	0.74	0.1	0.26	11.8	8.2	20.0
R24	40.0	20/05/2021 17:00	4.0	1.16	22.89	0.74	0.1	0.26	13.4	8.2	21.6
R25	33.6	21/09/2021 17:00	3.4	2.19	32.70	0.8	0.1	0.29	12.0	2.0	14.1
R26	42.2	28/06/2021 17:00	4.2	1.61	13.08	0.74	0.07	0.20	12.0	22.6	34.5
R27	31.3	02/07/2021 17:00	3.1	0.34	10.90	0.74	0.07	0.19	8.5	10.2	18.8
R28	53.0	20/05/2021 17:00	5.3	1.16	22.89	0.74	0.1	0.23	16.3	8.2	24.5
R29	49.9	30/05/2021 17:00	5.0	0.34	26.16	0.74	0.1	0.24	15.6	< 0.1	15.6
R30	52.4	30/05/2021 17:00	5.2	0.34	26.16	0.74	0.1	0.24	16.5	< 0.1	16.5
R31	87.2	21/05/2021 16:00	8.7	1.91	16.35	0.635	0.1	0.11	17.6	20.5	38.1
R32	46.0	21/05/2021 17:00	4.6	1.28	16.35	0.635	0.1	0.18	12.1	22.6	34.7

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	29.7	21/09/2021 17:00	3.0	2.19	32.70	0.8	0.1	0.30	11.0	2.0	13.1
R34	30.8	21/09/2021 17:00	3.1	2.19	32.70	0.8	0.1	0.30	11.4	2.0	13.4
R35	51.1	20/05/2021 17:00	5.1	1.16	22.89	0.74	0.1	0.26	17.2	8.2	25.4
R36	22.3	04/10/2021 17:00	2.2	4.30	35.97	0.8	0.1	0.35	9.3	2.0	11.4
R37	21.8	04/10/2021 17:00	2.2	4.30	35.97	0.8	0.1	0.36	9.3	2.0	11.3
R38	132.2	25/06/2021 16:00	13.2	2.36	15.81	0.74	0.07	0.07	21.4	< 0.1	21.4
R39	99.4	15/07/2021 16:00	9.9	1.01	23.98	0.83	0.07	0.10	18.6	6.1	24.7
R40	231.6	28/07/2021 17:00	23.2	4.19	30.52	0.87	0.07	0.04	31.0	4.1	35.1
R41	127.0	26/06/2021 16:00	12.7	1.73	29.43	0.83	0.07	0.05	18.0	< 0.1	18.0
R42	110.4	10/04/2021 17:00	11.0	1.86	26.16	0.74	0.1	0.09	19.9	< 0.1	19.9
R43	82.3	26/05/2021 16:00	8.2	2.15	29.43	0.74	0.1	0.11	16.7	< 0.1	16.7
R44	118.9	09/11/2021 17:00	11.9	2.75	34.88	0.8	0.1	0.07	19.7	16.4	36.1
R45	89.9	09/11/2021 17:00	9.0	2.75	34.88	0.8	0.1	0.09	16.1	16.4	32.5
R46	147.2	23/05/2021 16:00	14.7	1.78	27.25	0.74	0.1	0.08	25.6	< 0.1	25.6
R47	199.1	12/04/2021 17:00	19.9	0.84	26.16	0.74	0.1	0.07	32.1	4.1	36.2
R48	129.7	17/05/2021 16:00	13.0	1.26	25.07	0.74	0.1	0.07	20.9	2.0	23.0
R49	100.0	07/09/2021 17:00	10.0	2.00	35.97	0.8	0.1	0.11	19.8	< 0.1	19.8
R50	105.8	14/03/2021 17:00	10.6	1.83	15.26	0.635	0.1	0.09	19.0	< 0.1	19.0
R51	68.6	21/09/2021 17:00	6.9	2.19	32.70	0.8	0.1	0.14	15.3	2.0	17.3
R52	57.2	07/09/2021 17:00	5.7	2.00	35.97	0.8	0.1	0.19	15.7	< 0.1	15.7
R53	67.7	21/09/2021 17:00	6.8	2.19	32.70	0.8	0.1	0.17	16.9	2.0	19.0
R54	49.7	01/10/2021 17:00	5.0	2.91	32.70	0.8	0.1	0.19	13.3	8.2	21.5
R55	43.6	21/09/2021 17:00	4.4	2.19	32.70	0.8	0.1	0.19	11.7	2.0	13.7
R56	58.1	05/05/2021 17:00	5.8	2.87	25.07	0.74	0.1	0.19	15.6	< 0.1	15.6
R57	79.8	21/05/2021 16:00	8.0	1.91	16.35	0.635	0.1	0.13	17.2	20.5	37.7
R58	78.0	23/05/2021 16:00	7.8	1.78	27.25	0.74	0.1	0.16	18.7	< 0.1	18.7
R59	79.4	10/10/2021 17:00	7.9	1.59	21.80	0.74	0.1	0.14	18.1	10.2	28.4
R60	56.7	02/04/2021 17:00	5.7	1.69	55.59	0.85	0.1	0.16	14.1	6.1	20.2
R61	55.7	02/04/2021 17:00	5.6	1.69	55.59	0.85	0.1	0.16	13.4	6.1	19.6
R62	45.6	08/10/2021 17:00	4.6	2.19	38.15	0.8	0.1	0.15	10.5	8.2	18.7
R63	77.0	11/08/2021 17:00	7.7	2.93	32.70	0.87	0.07	0.09	14.2	4.1	18.3
R64	63.5	27/09/2021 17:00	6.4	1.52	33.79	0.8	0.1	0.19	17.1	12.3	29.4
R65	52.8	11/06/2021 17:00	5.3	0.86	25.07	0.83	0.07	0.19	14.1	< 0.1	14.1
R66	40.4	12/09/2021 17:00	4.0	3.62	45.78	0.85	0.1	0.25	13.0	2.0	15.0
R67	61.9	09/09/2021 17:00	6.2	2.29	37.06	0.8	0.1	0.21	18.1	8.2	26.3
R68	54.0	28/07/2021 17:00	5.4	4.19	30.52	0.87	0.07	0.14	12.3	4.1	16.4

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	35.1	11/08/2021 17:00	3.5	2.93	32.70	0.87	0.07	0.14	7.9	4.1	12.0
R70	54.8	24/06/2021 16:00	5.5	4.82	29.43	0.83	0.07	0.11	10.7	4.1	14.8
R71	139.3	04/04/2021 17:00	13.9	0.77	38.15	0.8	0.1	0.09	24.8	2.0	26.9
R72	179.2	04/04/2021 17:00	17.9	0.77	38.15	0.8	0.1	0.10	33.9	2.0	35.9
R73	237.3	31/08/2021 17:00	23.7	0.36	29.43	0.83	0.07	0.05	35.4	12.3	47.7
R74	61.9	11/06/2021 16:00	6.2	1.40	22.89	0.83	0.07	0.11	12.4	< 0.1	12.4
R75	46.6	26/06/2021 16:00	4.7	1.73	29.43	0.83	0.07	0.17	11.8	< 0.1	11.8
R76	25.2	26/06/2021 17:00	2.5	1.24	28.34	0.83	0.07	0.18	6.5	< 0.1	6.5
R77	65.7	22/03/2021 17:00	6.6	1.23	8.72	0.635	0.1	0.11	13.1	22.6	35.6
R78	73.4	22/03/2021 17:00	7.3	1.23	8.72	0.635	0.1	0.11	14.7	22.6	37.2
R79	48.7	02/04/2021 17:00	4.9	1.69	55.59	0.85	0.1	0.17	12.4	6.1	18.6
R80	50.5	02/09/2021 17:00	5.1	1.59	34.88	0.8	0.1	0.22	15.1	10.2	25.4
R81	37.9	02/04/2021 17:00	3.8	1.69	55.59	0.85	0.1	0.18	10.1	6.1	16.2
R82	24.7	16/09/2021 17:00	2.5	2.60	30.52	0.8	0.1	0.17	6.3	10.2	16.6
R83	60.2	16/09/2021 17:00	6.0	2.60	30.52	0.8	0.1	0.19	16.1	10.2	26.4
R84	51.5	31/03/2021 17:00	5.1	2.51	33.79	0.8	0.1	0.18	13.4	8.2	21.6
R85	76.2	22/03/2021 17:00	7.6	1.23	8.72	0.635	0.1	0.13	16.7	22.6	39.2
R86	88.1	22/03/2021 17:00	8.8	1.23	8.72	0.635	0.1	0.12	18.6	22.6	41.2
R87	43.1	22/03/2021 17:00	4.3	1.23	8.72	0.635	0.1	0.14	9.8	22.6	32.3
R88	62.2	08/10/2021 17:00	6.2	2.19	38.15	0.8	0.1	0.18	16.2	8.2	24.4
R89	54.7	08/10/2021 17:00	5.5	2.19	38.15	0.8	0.1	0.19	14.9	8.2	23.1
R90	49.1	27/09/2021 17:00	4.9	1.52	33.79	0.8	0.1	0.23	14.9	12.3	27.2
R91	35.5	22/03/2021 17:00	3.6	1.23	8.72	0.635	0.1	0.16	8.5	22.6	31.1
R92	50.5	08/10/2021 17:00	5.0	2.19	38.15	0.8	0.1	0.21	14.5	8.2	22.7
R93	41.9	02/04/2021 17:00	4.2	1.69	55.59	0.85	0.1	0.20	11.6	6.1	17.8
R94	45.3	22/03/2021 17:00	4.5	1.23	8.72	0.635	0.1	0.16	10.9	22.6	33.4
R95	37.8	22/03/2021 17:00	3.8	1.23	8.72	0.635	0.1	0.17	9.6	22.6	32.1
R96	34.0	07/09/2021 17:00	3.4	2.00	35.97	0.8	0.1	0.22	10.2	< 0.1	10.2
R97	42.3	05/07/2021 16:00	4.2	1.32	28.34	0.83	0.07	0.18	11.1	< 0.1	11.1
R98	47.5	20/06/2021 17:00	4.8	0.77	25.07	0.83	0.07	0.19	12.9	< 0.1	12.9
R99	69.9	20/05/2021 17:00	7.0	1.16	22.89	0.74	0.1	0.20	19.8	8.2	28.0
R100	48.2	28/06/2021 17:00	4.8	1.61	13.08	0.74	0.07	0.14	11.0	22.6	33.6
R101	29.3	20/06/2021 17:00	2.9	0.77	25.07	0.83	0.07	0.20	8.3	< 0.1	8.3
R102	37.6	20/05/2021 17:00	3.8	1.16	22.89	0.74	0.1	0.22	11.1	8.2	19.3
R103	39.9	21/09/2021 17:00	4.0	2.19	32.70	0.8	0.1	0.26	13.3	2.0	15.4
R104	42.8	28/06/2021 17:00	4.3	1.61	13.08	0.74	0.07	0.20	11.9	22.6	34.4

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	13.2	11/08/2021 17:00	1.3	2.93	32.70	0.87	0.07	0.19	3.6	4.1	7.7
R106	42.1	02/07/2021 17:00	4.2	0.34	10.90	0.74	0.07	0.16	10.4	10.2	20.6
R107	39.6	11/09/2021 17:00	4.0	2.26	43.60	0.85	0.1	0.24	12.5	2.0	14.6
R108	36.4	25/06/2021 16:00	3.6	2.36	15.81	0.74	0.07	0.18	9.5	< 0.1	9.5
R109	44.7	19/07/2021 17:00	4.5	0.63	22.89	0.83	0.07	0.21	12.8	2.0	14.9
R110	31.5	19/07/2021 17:00	3.1	0.63	22.89	0.83	0.07	0.25	10.1	2.0	12.2
R111	33.9	09/09/2021 17:00	3.4	2.29	37.06	0.8	0.1	0.26	11.2	8.2	19.4
R112	30.0	04/10/2021 17:00	3.0	4.30	35.97	0.8	0.1	0.29	10.8	2.0	12.9
R113	33.8	09/09/2021 17:00	3.4	2.29	37.06	0.8	0.1	0.30	12.6	8.2	20.8
R114	30.1	20/04/2021 17:00	3.0	1.01	18.53	0.635	0.1	0.25	9.7	16.4	26.1
R115	53.1	15/07/2021 17:00	5.3	1.09	27.25	0.83	0.07	0.21	15.5	< 0.1	15.5
R116	23.5	02/07/2021 17:00	2.3	0.34	10.90	0.74	0.07	0.20	6.6	10.2	16.8
R117	40.3	15/07/2021 17:00	4.0	1.09	27.25	0.83	0.07	0.26	13.5	< 0.1	13.5
R118	22.3	16/05/2021 17:00	2.2	0.90	21.80	0.74	0.1	0.32	8.6	6.1	14.8
R119	58.0	09/09/2021 17:00	5.8	2.29	37.06	0.8	0.1	0.21	16.6	8.2	24.8
R120	29.7	11/06/2021 17:00	3.0	0.86	25.07	0.83	0.07	0.27	10.2	< 0.1	10.2
R121	34.6	13/06/2021 17:00	3.5	1.29	26.16	0.83	0.07	0.20	9.8	< 0.1	9.8
R122	35.9	04/06/2021 16:00	3.6	2.30	25.07	0.83	0.07	0.21	10.4	< 0.1	10.4
R123	37.9	18/06/2021 17:00	3.8	2.11	23.98	0.83	0.07	0.24	11.8	< 0.1	11.8
R124	20.5	10/04/2021 17:00	2.1	1.86	26.16	0.74	0.1	0.30	7.5	< 0.1	7.5
R125	32.7	26/05/2021 17:00	3.3	1.51	29.43	0.74	0.1	0.29	11.7	< 0.1	11.7
R126	10.3	23/09/2021 18:00	1.0	1.17	37.06	0.8	0.1	0.36	4.3	6.1	10.5
R127	86.9	30/05/2021 16:00	8.7	1.21	28.34	0.74	0.1	0.14	19.7	< 0.1	19.7
R128	61.2	07/09/2021 17:00	6.1	2.00	35.97	0.8	0.1	0.15	14.5	< 0.1	14.5

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R14				Highest cumulative PM ₁₀ impact – Receptor R14			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
25/05/2021	1.5	9.6	11.1	04/05/2021	0.2	54.9	55.1
03/09/2021	1.3	19.8	21.1	20/04/2021	0.3	46.2	46.5
14/07/2021	1.3	20.2	21.5	28/10/2021	0.2	36.6	36.8
18/12/2021	1.3	18.4	19.6	02/09/2021	0.8	36.0	36.8
07/06/2021	1.2	12.2	13.4	29/04/2021	0.3	36.0	36.3
17/09/2021	1.1	14.8	15.9	18/01/2021	< 0.1	35.8	35.9
23/07/2021	1.1	13.5	14.6	10/09/2021	< 0.1	35.5	35.5
23/06/2021	1.1	7.8	8.9	27/04/2021	< 0.1	35.4	35.5
31/08/2021	1.1	18.0	19.1	21/08/2021	0.3	34.6	34.9
29/09/2021	1.1	21.0	22.1	20/08/2021	0.4	34.1	34.5

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/05/2021	0.7	7.8	8.5	04/05/2021	0.1	54.9	55.0
30/05/2021	0.6	8.1	8.7	20/04/2021	< 0.1	46.2	46.2
20/06/2021	0.5	8.0	8.5	28/10/2021	< 0.1	36.6	36.6
07/05/2021	0.5	8.0	8.5	29/04/2021	< 0.1	36.0	36.0
29/05/2021	0.5	9.3	9.8	02/09/2021	< 0.1	36.0	36.0
21/07/2021	0.5	8.0	8.5	18/01/2021	< 0.1	35.8	35.8
14/03/2021	0.5	7.4	7.9	10/09/2021	< 0.1	35.5	35.5
20/05/2021	0.4	14.7	15.1	27/04/2021	< 0.1	35.4	35.4
19/06/2021	0.4	7.6	8.0	21/08/2021	< 0.1	34.6	34.6
11/12/2021	0.4	8.1	8.5	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	0.6	12.3	12.9	04/05/2021	< 0.1	54.9	55.0
19/02/2021	0.5	13.4	13.9	20/04/2021	< 0.1	46.2	46.2
10/03/2021	0.5	21.1	21.6	28/10/2021	< 0.1	36.6	36.6
29/01/2021	0.4	8.2	8.6	29/04/2021	< 0.1	36.0	36.1
22/03/2021	0.4	5.9	6.3	02/09/2021	< 0.1	36.0	36.0
23/11/2021	0.4	13.2	13.6	18/01/2021	< 0.1	35.8	35.8
09/11/2021	0.3	13.4	13.7	10/09/2021	< 0.1	35.5	35.5
02/11/2021	0.3	19.1	19.4	27/04/2021	< 0.1	35.4	35.5
21/10/2021	0.3	16.5	16.8	21/08/2021	< 0.1	34.6	34.6
10/02/2021	0.3	23.8	24.1	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R13				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/03/2021	0.6	5.9	6.5	04/05/2021	< 0.1	54.9	55.0
05/11/2021	0.3	9.8	10.1	20/04/2021	< 0.1	46.2	46.2
19/02/2021	0.3	13.4	13.7	28/10/2021	< 0.1	36.6	36.6
29/01/2021	0.3	8.2	8.5	29/04/2021	< 0.1	36.0	36.1
17/11/2021	0.3	21.5	21.8	02/09/2021	< 0.1	36.0	36.0
03/11/2021	0.2	17.8	18.0	18/01/2021	< 0.1	35.8	35.8
30/11/2021	0.2	26.0	26.2	10/09/2021	< 0.1	35.5	35.5
13/10/2021	0.2	10.2	10.4	27/04/2021	< 0.1	35.4	35.5
06/11/2021	0.2	12.3	12.5	21/08/2021	< 0.1	34.6	34.6
24/11/2021	0.2	17.2	17.4	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R3				Highest cumulative PM ₁₀ impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/05/2021	0.6	7.8	8.4	04/05/2021	< 0.1	54.9	55.0
30/05/2021	0.5	8.1	8.6	20/04/2021	< 0.1	46.2	46.2
20/06/2021	0.4	8.0	8.4	28/10/2021	< 0.1	36.6	36.6
07/05/2021	0.4	8.0	8.4	29/04/2021	< 0.1	36.0	36.1
29/05/2021	0.4	9.3	9.7	02/09/2021	< 0.1	36.0	36.0
21/07/2021	0.4	8.0	8.4	18/01/2021	< 0.1	35.8	35.8
14/03/2021	0.4	7.4	7.8	10/09/2021	< 0.1	35.5	35.5
19/06/2021	0.3	7.6	7.9	27/04/2021	< 0.1	35.4	35.5
20/05/2021	0.3	14.7	15.0	21/08/2021	< 0.1	34.6	34.6
11/12/2021	0.3	8.1	8.4	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R4				Highest cumulative PM ₁₀ impact – Receptor R47			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
30/05/2021	0.5	8.1	8.6	04/05/2021	< 0.1	54.9	54.9
05/05/2021	0.5	7.8	8.3	20/04/2021	< 0.1	46.2	46.2
19/06/2021	0.5	7.6	8.1	28/10/2021	< 0.1	36.6	36.6
29/05/2021	0.5	9.3	9.8	29/04/2021	< 0.1	36.0	36.0
20/06/2021	0.5	8.0	8.5	02/09/2021	< 0.1	36.0	36.0
07/05/2021	0.4	8.0	8.4	18/01/2021	< 0.1	35.8	35.8
21/07/2021	0.4	8.0	8.4	10/09/2021	< 0.1	35.5	35.5
20/05/2021	0.4	14.7	15.1	27/04/2021	< 0.1	35.4	35.4
10/07/2021	0.4	7.9	8.3	21/08/2021	< 0.1	34.6	34.6
12/04/2021	0.3	16.9	17.2	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R15				Highest cumulative PM ₁₀ impact – Receptor R9			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
23/06/2021	0.5	7.8	8.3	04/05/2021	< 0.1	54.9	54.9
14/07/2021	0.4	20.2	20.6	20/04/2021	< 0.1	46.2	46.2
31/07/2021	0.4	23.1	23.5	28/10/2021	< 0.1	36.6	36.6
07/06/2021	0.3	12.2	12.5	29/04/2021	< 0.1	36.0	36.0
25/05/2021	0.3	9.6	9.9	02/09/2021	< 0.1	36.0	36.0
22/08/2021	0.3	32.0	32.3	18/01/2021	< 0.1	35.8	35.8
30/07/2021	0.3	15.6	15.9	10/09/2021	< 0.1	35.5	35.5
03/09/2021	0.3	19.8	20.1	27/04/2021	< 0.1	35.4	35.4
10/08/2021	0.3	23.8	24.1	21/08/2021	< 0.1	34.6	34.6
27/07/2021	0.3	16.6	16.9	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
13/02/2021	0.5	11.1	11.6	04/05/2021	< 0.1	54.9	54.9
28/11/2021	0.4	21.6	22.0	20/04/2021	< 0.1	46.2	46.2
21/11/2021	0.4	6.6	7.0	28/10/2021	< 0.1	36.6	36.6
31/01/2021	0.4	17.5	17.9	29/04/2021	< 0.1	36.0	36.0
23/02/2021	0.4	21.3	21.7	02/09/2021	< 0.1	36.0	36.0
22/11/2021	0.4	18.0	18.4	18/01/2021	< 0.1	35.8	35.8
28/06/2021	0.4	12.0	12.4	10/09/2021	< 0.1	35.5	35.5
06/05/2021	0.3	9.2	9.5	27/04/2021	< 0.1	35.4	35.4
01/01/2021	0.3	12.1	12.4	21/08/2021	< 0.1	34.6	34.6
27/12/2021	0.3	11.2	11.5	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	0.4	13.8	14.2	04/05/2021	< 0.1	54.9	54.9
11/11/2021	0.4	14.5	14.9	20/04/2021	< 0.1	46.2	46.2
18/03/2021	0.4	9.1	9.5	28/10/2021	< 0.1	36.6	36.6
20/03/2021	0.4	9.9	10.3	29/04/2021	< 0.1	36.0	36.0
17/03/2021	0.3	13.5	13.8	02/09/2021	< 0.1	36.0	36.0
08/11/2021	0.3	11.1	11.4	18/01/2021	< 0.1	35.8	35.8
22/12/2021	0.3	15.1	15.4	10/09/2021	< 0.1	35.5	35.5
12/10/2021	0.3	8.9	9.1	27/04/2021	< 0.1	35.4	35.4
18/02/2021	0.3	13.9	14.2	21/08/2021	< 0.1	34.6	34.6
28/01/2021	0.3	16.0	16.3	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R48			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	0.4	13.8	14.2	04/05/2021	< 0.1	54.9	54.9
28/01/2021	0.4	16.0	16.4	20/04/2021	< 0.1	46.2	46.2
18/03/2021	0.3	9.1	9.4	28/10/2021	< 0.1	36.6	36.6
05/12/2021	0.3	14.7	15.0	29/04/2021	< 0.1	36.0	36.0
16/02/2021	0.3	9.9	10.2	02/09/2021	< 0.1	36.0	36.0
07/04/2021	0.3	11.5	11.8	18/01/2021	< 0.1	35.8	35.8
09/02/2021	0.2	19.8	20.0	10/09/2021	< 0.1	35.5	35.5
11/11/2021	0.2	14.5	14.7	27/04/2021	< 0.1	35.4	35.4
16/12/2021	0.2	20.0	20.2	21/08/2021	< 0.1	34.6	34.6
08/01/2021	0.2	13.7	13.9	20/08/2021	< 0.1	34.1	34.1

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R14				Highest cumulative PM _{2.5} impact – Receptor R14			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
25/05/2021	1.5	6.4	7.9	04/05/2021	0.2	40.3	40.5
03/09/2021	1.3	6.7	8.0	29/04/2021	0.3	21.8	22.1
14/07/2021	1.3	10.2	11.5	20/08/2021	0.4	19.2	19.6
18/12/2021	1.3	3.7	4.9	23/04/2021	< 0.1	19.5	19.5
07/06/2021	1.2	6.9	8.1	10/10/2021	0.1	16.9	17.0
17/09/2021	1.1	4.6	5.7	15/08/2021	< 0.1	16.1	16.2
23/07/2021	1.1	8.0	9.1	03/05/2021	1.1	14.9	16.0
23/06/2021	1.1	5.6	6.7	23/08/2021	0.7	14.7	15.4
31/08/2021	1.1	7.0	8.1	14/08/2021	0.3	14.3	14.6
29/09/2021	1.1	6.2	7.3	21/08/2021	0.3	13.8	14.1

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/05/2021	0.7	7.8	8.5	04/05/2021	0.1	40.3	40.4
30/05/2021	0.6	2.3	2.9	29/04/2021	< 0.1	21.8	21.8
20/06/2021	0.5	1.2	1.7	23/04/2021	< 0.1	19.5	19.5
07/05/2021	0.5	4.5	5.0	20/08/2021	< 0.1	19.2	19.2
29/05/2021	0.5	3.4	3.9	10/10/2021	0.1	16.9	17.0
21/07/2021	0.5	2.5	3.0	15/08/2021	< 0.1	16.1	16.1
14/03/2021	0.5	4.0	4.5	03/05/2021	< 0.1	14.9	14.9
20/05/2021	0.4	8.2	8.6	23/08/2021	< 0.1	14.7	14.7
19/06/2021	0.4	2.4	2.8	14/08/2021	< 0.1	14.3	14.3
11/12/2021	0.4	2.1	2.5	19/01/2021	0.3	13.8	14.1

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	0.6	4.9	5.5	04/05/2021	< 0.1	40.3	40.4
19/02/2021	0.5	2.9	3.5	29/04/2021	< 0.1	21.8	21.9
10/03/2021	0.5	4.9	5.4	23/04/2021	0.1	19.5	19.6
29/01/2021	0.4	4.3	4.7	20/08/2021	< 0.1	19.2	19.2
22/03/2021	0.4	2.4	2.8	10/10/2021	< 0.1	16.9	16.9
23/11/2021	0.4	3.8	4.2	15/08/2021	< 0.1	16.1	16.1
09/11/2021	0.3	4.4	4.7	03/05/2021	< 0.1	14.9	14.9
02/11/2021	0.3	3.5	3.8	23/08/2021	< 0.1	14.7	14.7
21/10/2021	0.3	4.7	5.0	14/08/2021	< 0.1	14.3	14.4
10/02/2021	0.3	6.4	6.7	19/01/2021	< 0.1	13.8	13.8

Highest incremental PM _{2.5} impact – Receptor R13				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/03/2021	0.6	2.4	3.0	04/05/2021	< 0.1	40.3	40.4
05/11/2021	0.3	3.7	4.0	29/04/2021	< 0.1	21.8	21.9
19/02/2021	0.3	2.9	3.2	23/04/2021	0.2	19.5	19.7
29/01/2021	0.3	4.3	4.6	20/08/2021	< 0.1	19.2	19.2
17/11/2021	0.3	4.5	4.8	10/10/2021	< 0.1	16.9	16.9
03/11/2021	0.2	2.7	2.9	15/08/2021	< 0.1	16.1	16.1
30/11/2021	0.2	6.7	6.9	03/05/2021	< 0.1	14.9	14.9
13/10/2021	0.2	3.4	3.6	23/08/2021	< 0.1	14.7	14.7
06/11/2021	0.2	5.1	5.3	14/08/2021	< 0.1	14.3	14.4
24/11/2021	0.2	5.3	5.5	19/01/2021	< 0.1	13.8	13.8

Highest incremental PM _{2.5} impact – Receptor R3				Highest cumulative PM _{2.5} impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/05/2021	0.6	7.8	8.4	04/05/2021	< 0.1	40.3	40.4
30/05/2021	0.5	2.3	2.8	29/04/2021	< 0.1	21.8	21.9
20/06/2021	0.4	1.2	1.6	23/04/2021	0.1	19.5	19.6
07/05/2021	0.4	4.5	4.9	20/08/2021	< 0.1	19.2	19.2
29/05/2021	0.4	3.4	3.8	10/10/2021	< 0.1	16.9	16.9
21/07/2021	0.4	2.5	2.9	15/08/2021	< 0.1	16.1	16.1
14/03/2021	0.4	4.0	4.4	03/05/2021	< 0.1	14.9	14.9
19/06/2021	0.3	2.4	2.7	23/08/2021	< 0.1	14.7	14.7
20/05/2021	0.3	8.2	8.5	14/08/2021	< 0.1	14.3	14.4
11/12/2021	0.3	2.1	2.4	19/01/2021	< 0.1	13.8	13.8

Highest incremental PM _{2.5} impact – Receptor R4				Highest cumulative PM _{2.5} impact – Receptor R47			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
30/05/2021	0.5	2.3	2.8	04/05/2021	< 0.1	40.3	40.3
05/05/2021	0.5	7.8	8.3	29/04/2021	< 0.1	21.8	21.8
19/06/2021	0.5	2.4	2.9	23/04/2021	< 0.1	19.5	19.5
29/05/2021	0.5	3.4	3.9	20/08/2021	< 0.1	19.2	19.2
20/06/2021	0.5	1.2	1.7	10/10/2021	< 0.1	16.9	16.9
07/05/2021	0.4	4.5	4.9	15/08/2021	< 0.1	16.1	16.1
21/07/2021	0.4	2.5	2.9	03/05/2021	< 0.1	14.9	14.9
20/05/2021	0.4	8.2	8.6	23/08/2021	< 0.1	14.7	14.7
10/07/2021	0.4	4.1	4.5	14/08/2021	< 0.1	14.3	14.3
12/04/2021	0.3	3.6	3.9	19/01/2021	< 0.1	13.8	13.9

Highest incremental PM _{2.5} impact – Receptor R15				Highest cumulative PM _{2.5} impact – Receptor R9			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
23/06/2021	0.5	5.6	6.1	04/05/2021	< 0.1	40.3	40.3
14/07/2021	0.4	10.2	10.6	29/04/2021	< 0.1	21.8	21.8
31/07/2021	0.4	10.6	11.0	23/04/2021	< 0.1	19.5	19.5
07/06/2021	0.3	6.9	7.2	20/08/2021	< 0.1	19.2	19.2
25/05/2021	0.3	6.4	6.7	10/10/2021	< 0.1	16.9	17.0
22/08/2021	0.3	12.2	12.5	15/08/2021	< 0.1	16.1	16.1
30/07/2021	0.3	6.7	7.0	03/05/2021	< 0.1	14.9	14.9
03/09/2021	0.3	6.7	7.0	23/08/2021	< 0.1	14.7	14.7
10/08/2021	0.3	7.6	7.9	14/08/2021	< 0.1	14.3	14.3
27/07/2021	0.3	5.3	5.6	19/01/2021	0.2	13.8	14.0

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
13/02/2021	0.5	6.2	6.7	04/05/2021	< 0.1	40.3	40.3
28/11/2021	0.4	5.6	6.0	29/04/2021	< 0.1	21.8	21.8
21/11/2021	0.4	1.9	2.3	23/04/2021	0.1	19.5	19.6
31/01/2021	0.4	8.1	8.5	20/08/2021	< 0.1	19.2	19.2
23/02/2021	0.4	5.3	5.7	10/10/2021	< 0.1	16.9	16.9
22/11/2021	0.4	4.4	4.8	15/08/2021	< 0.1	16.1	16.1
28/06/2021	0.4	4.5	4.9	03/05/2021	< 0.1	14.9	14.9
06/05/2021	0.3	3.9	4.2	23/08/2021	< 0.1	14.7	14.7
01/01/2021	0.3	1.7	2.0	14/08/2021	< 0.1	14.3	14.3
27/12/2021	0.3	2.0	2.3	19/01/2021	< 0.1	13.8	13.8

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	0.4	2.9	3.3	04/05/2021	< 0.1	40.3	40.3
11/11/2021	0.4	3.6	4.0	29/04/2021	< 0.1	21.8	21.8
18/03/2021	0.4	2.5	2.9	23/04/2021	< 0.1	19.5	19.5
20/03/2021	0.4	1.5	1.9	20/08/2021	< 0.1	19.2	19.2
17/03/2021	0.3	3.3	3.6	10/10/2021	0.2	16.9	17.1
08/11/2021	0.3	5.0	5.3	15/08/2021	< 0.1	16.1	16.1
22/12/2021	0.3	4.4	4.7	03/05/2021	< 0.1	14.9	14.9
12/10/2021	0.3	3.5	3.7	23/08/2021	< 0.1	14.7	14.7
18/02/2021	0.3	3.9	4.1	14/08/2021	< 0.1	14.3	14.3
28/01/2021	0.3	8.3	8.6	19/01/2021	0.2	13.8	14.0

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R48			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	0.4	2.9	3.3	04/05/2021	< 0.1	40.3	40.3
28/01/2021	0.4	8.3	8.7	29/04/2021	< 0.1	21.8	21.8
18/03/2021	0.3	2.5	2.8	23/04/2021	< 0.1	19.5	19.5
05/12/2021	0.3	4.3	4.6	20/08/2021	< 0.1	19.2	19.2
16/02/2021	0.3	5.7	6.0	10/10/2021	< 0.1	16.9	16.9
07/04/2021	0.3	3.6	3.9	15/08/2021	< 0.1	16.1	16.1
09/02/2021	0.2	8.3	8.5	03/05/2021	< 0.1	14.9	14.9
11/11/2021	0.2	3.6	3.8	23/08/2021	< 0.1	14.7	14.7
16/12/2021	0.2	6.6	6.8	14/08/2021	< 0.1	14.3	14.3
08/01/2021	0.2	2.8	3.0	19/01/2021	< 0.1	13.8	13.8

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	0.5	0.5
R2	0.7	0.7
R3	0.6	0.6
R4	0.5	0.5
R5	0.2	0.2
R6	0.3	0.3
R7	0.1	0.1
R8	0.1	0.1
R9	0.2	0.2
R10	0.4	0.4
R11	0.4	0.4
R12	0.6	0.6
R13	0.6	0.6
R14	1.5	1.5
R15	0.5	0.5
R16	< 0.1	< 0.1
R17	< 0.1	< 0.1
R18	< 0.1	< 0.1
R19	< 0.1	< 0.1
R20	< 0.1	< 0.1
R21	< 0.1	< 0.1
R22	< 0.1	< 0.1
R23	< 0.1	< 0.1
R24	< 0.1	< 0.1
R25	< 0.1	< 0.1
R26	< 0.1	< 0.1
R27	< 0.1	< 0.1
R28	< 0.1	< 0.1
R29	< 0.1	< 0.1
R30	< 0.1	< 0.1
R31	< 0.1	< 0.1

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	< 0.1	< 0.1
R33	< 0.1	< 0.1
R34	< 0.1	< 0.1
R35	< 0.1	< 0.1
R36	< 0.1	< 0.1
R37	< 0.1	< 0.1
R38	< 0.1	< 0.1
R39	< 0.1	< 0.1
R40	0.2	0.2
R41	0.1	0.1
R42	0.1	0.1
R43	< 0.1	< 0.1
R44	0.1	0.1
R45	0.1	0.1
R46	0.1	0.1
R47	0.1	0.1
R48	0.1	0.1
R49	< 0.1	< 0.1
R50	< 0.1	< 0.1
R51	< 0.1	< 0.1
R52	< 0.1	< 0.1
R53	< 0.1	< 0.1
R54	< 0.1	< 0.1
R55	< 0.1	< 0.1
R56	< 0.1	< 0.1
R57	< 0.1	< 0.1
R58	< 0.1	< 0.1
R59	< 0.1	< 0.1
R60	< 0.1	< 0.1
R61	< 0.1	< 0.1
R62	< 0.1	< 0.1
R63	< 0.1	< 0.1
R64	< 0.1	< 0.1
R65	< 0.1	< 0.1
R66	< 0.1	< 0.1
R67	< 0.1	< 0.1

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	< 0.1	< 0.1
R69	< 0.1	< 0.1
R70	< 0.1	< 0.1
R71	0.2	0.2
R72	0.2	0.2
R73	0.2	0.2
R74	< 0.1	< 0.1
R75	< 0.1	< 0.1
R76	< 0.1	< 0.1
R77	< 0.1	< 0.1
R78	< 0.1	< 0.1
R79	< 0.1	< 0.1
R80	< 0.1	< 0.1
R81	< 0.1	< 0.1
R82	< 0.1	< 0.1
R83	< 0.1	< 0.1
R84	< 0.1	< 0.1
R85	< 0.1	< 0.1
R86	< 0.1	< 0.1
R87	< 0.1	< 0.1
R88	< 0.1	< 0.1
R89	< 0.1	< 0.1
R90	< 0.1	< 0.1
R91	< 0.1	< 0.1
R92	< 0.1	< 0.1
R93	< 0.1	< 0.1
R94	< 0.1	< 0.1
R95	< 0.1	< 0.1
R96	< 0.1	< 0.1
R97	< 0.1	< 0.1
R98	< 0.1	< 0.1
R99	< 0.1	< 0.1
R100	< 0.1	< 0.1
R101	< 0.1	< 0.1
R102	< 0.1	< 0.1
R103	< 0.1	< 0.1

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R104	< 0.1	< 0.1
R105	< 0.1	< 0.1
R106	< 0.1	< 0.1
R107	< 0.1	< 0.1
R108	< 0.1	< 0.1
R109	< 0.1	< 0.1
R110	< 0.1	< 0.1
R111	< 0.1	< 0.1
R112	< 0.1	< 0.1
R113	< 0.1	< 0.1
R114	< 0.1	< 0.1
R115	< 0.1	< 0.1
R116	< 0.1	< 0.1
R117	< 0.1	< 0.1
R118	< 0.1	< 0.1
R119	< 0.1	< 0.1
R120	< 0.1	< 0.1
R121	< 0.1	< 0.1
R122	< 0.1	< 0.1
R123	< 0.1	< 0.1
R124	< 0.1	< 0.1
R125	< 0.1	< 0.1
R126	< 0.1	< 0.1
R127	< 0.1	< 0.1
R128	< 0.1	< 0.1

Particulate matter – annual averages

Annual average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	PM2.5 ($\mu\text{g}/\text{m}^3$)			PM10 ($\mu\text{g}/\text{m}^3$)			TSP ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			8			25			90
R1	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R2	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R3	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R4	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R5	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R6	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R7	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R8	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R9	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R10	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R11	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R12	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R13	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R14	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R15	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R16	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R17	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R18	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R19	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R20	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R21	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R22	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R23	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R24	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R25	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R26	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R27	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R28	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R29	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R30	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Rec.	PM2.5 (µg/m³)			PM10 (µg/m³)			TSP (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R32	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R33	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R34	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R35	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R36	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R37	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R38	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R39	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R40	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R41	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R42	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R43	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R44	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R45	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R46	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R47	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R48	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R49	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R50	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R51	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R52	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R53	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R54	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R55	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R56	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R57	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R58	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R59	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R60	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R61	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R62	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R63	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R64	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R65	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Rec.	PM2.5 (µg/m³)			PM10 (µg/m³)			TSP (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R67	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R68	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R69	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R70	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R71	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R72	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R73	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R74	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R75	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R76	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R77	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R78	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R79	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R80	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R81	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R82	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R83	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R84	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R85	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R86	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R87	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R88	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R89	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R90	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R91	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R92	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R93	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R94	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R95	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R96	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R97	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R98	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R99	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R100	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Rec.	PM2.5 (µg/m³)			PM10 (µg/m³)			TSP (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R102	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R103	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R104	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R105	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R106	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R107	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R108	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R109	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R110	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R111	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R112	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R113	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R114	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R115	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R116	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R117	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R118	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R119	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R120	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R121	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R122	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R123	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R124	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R125	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R126	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R127	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R128	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R2	0.2	< 0.1	0.2	0.1	< 0.1	0.1	< 0.1	< 0.1	0.1
R3	0.2	< 0.1	0.2	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R4	0.1	< 0.1	0.1	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R6	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R7	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R8	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R9	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R10	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R11	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R12	0.1	< 0.1	0.1	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R13	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1
R14	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.2	0.1	0.3
R15	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1
R16	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R17	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R18	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R19	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R20	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R21	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R22	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R23	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R24	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R25	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R27	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R28	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R29	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R30	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	< 0.1	0.2	0.2	< 0.1	0.1	0.2	< 0.1	< 0.1	< 0.1
R32	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R33	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R34	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R35	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R36	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R37	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R38	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R39	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R40	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R41	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R42	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R43	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R44	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R45	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R46	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R47	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R48	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R49	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R50	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R51	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R52	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R53	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R54	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R55	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R56	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R57	< 0.1	0.2	0.2	< 0.1	0.1	0.2	< 0.1	< 0.1	< 0.1
R58	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R59	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R60	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R61	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R62	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R63	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R64	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R65	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R67	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R68	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R69	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R70	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R71	< 0.1	0.3	0.4	< 0.1	0.2	0.3	< 0.1	< 0.1	< 0.1
R72	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R73	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1
R74	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R75	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R76	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R77	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R78	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R79	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R80	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R81	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R82	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R83	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R84	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R85	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R86	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R87	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R88	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R89	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R90	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R91	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R92	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R93	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R94	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R95	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R96	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R97	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R98	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R99	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R102	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R104	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R105	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R106	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R107	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R108	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R109	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R110	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R111	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R112	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R113	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R114	< 0.1	0.3	0.3	< 0.1	0.2	0.3	< 0.1	0.2	0.3
R115	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R116	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R117	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R118	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R119	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R120	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R121	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R122	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R123	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R124	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R125	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R126	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R127	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R128	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	0.3	< 0.1	0.3	< 0.1	0.2	0.3
R2	0.3	< 0.1	0.3	< 0.1	0.8	0.9
R3	0.3	< 0.1	0.3	< 0.1	0.8	0.9
R4	0.3	< 0.1	0.3	< 0.1	0.5	0.5
R5	0.2	< 0.1	0.2	< 0.1	0.5	0.5
R6	0.1	< 0.1	0.1	< 0.1	1.3	1.3
R7	0.1	< 0.1	0.1	< 0.1	0.4	0.4
R8	0.1	< 0.1	0.1	< 0.1	0.4	0.4
R9	0.2	< 0.1	0.2	< 0.1	1.5	1.6
R10	0.2	< 0.1	0.2	< 0.1	0.2	0.3
R11	0.2	< 0.1	0.2	< 0.1	0.2	0.3
R12	0.3	< 0.1	0.3	< 0.1	< 0.1	< 0.1
R13	0.2	< 0.1	0.2	< 0.1	0.4	0.4
R14	0.6	< 0.1	0.6	0.2	3.7	3.9
R15	0.3	< 0.1	0.3	< 0.1	4.2	4.2
R16	< 0.1	< 0.1	< 0.1	< 0.1	1.1	1.1
R17	< 0.1	2.9	2.9	< 0.1	1.5	1.6
R18	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R19	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R20	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R21	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R22	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R23	< 0.1	< 0.1	< 0.1	< 0.1	3.6	3.6
R24	< 0.1	< 0.1	< 0.1	< 0.1	3.6	3.6
R25	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R26	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R27	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R28	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R29	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R30	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5

Rec.	1-hour (µg/m³)			24-hour (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	< 0.1	< 0.1	< 0.1	< 0.1	2.5	2.5
R32	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R33	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R34	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R35	< 0.1	< 0.1	< 0.1	< 0.1	3.6	3.6
R36	< 0.1	2.9	2.9	< 0.1	1.5	1.6
R37	< 0.1	2.9	2.9	< 0.1	1.5	1.6
R38	0.1	< 0.1	0.1	< 0.1	1.8	1.8
R39	< 0.1	< 0.1	< 0.1	< 0.1	1.4	1.4
R40	0.2	< 0.1	0.2	< 0.1	2.5	2.5
R41	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R42	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R43	< 0.1	< 0.1	< 0.1	< 0.1	1.3	1.3
R44	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R45	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R46	0.1	< 0.1	0.1	< 0.1	1.4	1.4
R47	0.2	< 0.1	0.2	< 0.1	1.8	1.8
R48	0.1	< 0.1	0.1	< 0.1	0.1	0.1
R49	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R50	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R51	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R52	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R53	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R54	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R55	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R56	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R57	< 0.1	< 0.1	< 0.1	< 0.1	2.5	2.5
R58	< 0.1	< 0.1	< 0.1	< 0.1	1.4	1.4
R59	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R60	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R61	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R62	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R63	< 0.1	< 0.1	< 0.1	< 0.1	1.9	1.9
R64	< 0.1	2.9	2.9	< 0.1	1.3	1.3
R65	< 0.1	2.9	2.9	< 0.1	1.5	1.6

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	< 0.1	< 0.1	< 0.1	< 0.1	1.1	1.1
R67	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R68	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R69	< 0.1	< 0.1	< 0.1	< 0.1	1.9	1.9
R70	< 0.1	< 0.1	< 0.1	< 0.1	1.9	1.9
R71	0.1	2.9	3.0	< 0.1	0.1	0.1
R72	0.2	< 0.1	0.2	< 0.1	3.2	3.2
R73	0.2	2.9	3.1	< 0.1	3.7	3.7
R74	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R75	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R76	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R77	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R78	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R79	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R80	< 0.1	< 0.1	< 0.1	< 0.1	4.2	4.2
R81	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R82	< 0.1	< 0.1	< 0.1	< 0.1	1.1	1.1
R83	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R84	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R85	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R86	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R87	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R88	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R89	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R90	< 0.1	2.9	2.9	< 0.1	1.3	1.3
R91	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R92	< 0.1	< 0.1	< 0.1	< 0.1	1.3	1.3
R93	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R94	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R95	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R96	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R97	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R98	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R99	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R100	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R102	< 0.1	< 0.1	< 0.1	< 0.1	3.6	3.6
R103	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R104	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R105	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R106	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R107	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R108	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R109	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R110	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R111	< 0.1	< 0.1	< 0.1	< 0.1	1.2	1.2
R112	< 0.1	< 0.1	< 0.1	< 0.1	1.5	1.6
R113	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R114	< 0.1	1.4	1.5	< 0.1	1.4	1.4
R115	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R116	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R117	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R118	< 0.1	< 0.1	< 0.1	< 0.1	1.1	1.1
R119	< 0.1	< 0.1	< 0.1	< 0.1	1.2	1.2
R120	< 0.1	2.9	2.9	< 0.1	1.5	1.6
R121	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R122	< 0.1	< 0.1	< 0.1	< 0.1	1.3	1.3
R123	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R124	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R125	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R126	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R127	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R128	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	6.20E-10	4.18E-05	1.51E-05	1.05E-05	4.24E-06
R2	7.34E-10	4.95E-05	1.79E-05	1.24E-05	5.02E-06
R3	6.18E-10	4.17E-05	1.50E-05	1.05E-05	4.23E-06
R4	6.56E-10	4.42E-05	1.59E-05	1.11E-05	4.49E-06
R5	3.50E-10	2.36E-05	8.52E-06	5.94E-06	2.40E-06
R6	3.42E-10	2.31E-05	8.32E-06	5.80E-06	2.34E-06
R7	1.78E-10	1.20E-05	4.33E-06	3.02E-06	1.22E-06
R8	1.55E-10	1.04E-05	3.76E-06	2.62E-06	1.06E-06
R9	2.94E-10	1.98E-05	7.15E-06	4.99E-06	2.01E-06
R10	5.42E-10	3.65E-05	1.32E-05	9.19E-06	3.71E-06
R11	5.81E-10	3.91E-05	1.41E-05	9.85E-06	3.98E-06
R12	6.38E-10	4.30E-05	1.55E-05	1.08E-05	4.37E-06
R13	5.83E-10	3.93E-05	1.42E-05	9.89E-06	3.99E-06
R14	1.69E-09	1.14E-04	4.12E-05	2.87E-05	1.16E-05
R15	6.11E-10	4.12E-05	1.49E-05	1.04E-05	4.18E-06
R16	2.47E-11	1.66E-06	6.01E-07	4.19E-07	1.69E-07
R17	1.99E-11	1.34E-06	4.83E-07	3.36E-07	1.36E-07
R18	2.39E-11	1.61E-06	5.80E-07	4.04E-07	1.63E-07
R19	4.81E-11	3.24E-06	1.17E-06	8.15E-07	3.29E-07
R20	6.47E-11	4.36E-06	1.57E-06	1.10E-06	4.43E-07
R21	6.68E-11	4.50E-06	1.62E-06	1.13E-06	4.57E-07
R22	5.72E-11	3.86E-06	1.39E-06	9.70E-07	3.92E-07
R23	4.15E-11	2.80E-06	1.01E-06	7.04E-07	2.84E-07
R24	3.99E-11	2.69E-06	9.70E-07	6.76E-07	2.73E-07
R25	4.18E-11	2.82E-06	1.02E-06	7.09E-07	2.86E-07
R26	4.86E-11	3.27E-06	1.18E-06	8.23E-07	3.32E-07
R27	1.10E-11	7.39E-07	2.67E-07	1.86E-07	7.50E-08
R28	7.39E-11	4.98E-06	1.80E-06	1.25E-06	5.06E-07
R29	7.45E-11	5.02E-06	1.81E-06	1.26E-06	5.10E-07
R30	6.49E-11	4.37E-06	1.58E-06	1.10E-06	4.44E-07
R31	1.34E-10	9.02E-06	3.26E-06	2.27E-06	9.16E-07
R32	7.19E-11	4.84E-06	1.75E-06	1.22E-06	4.92E-07

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	4.09E-11	2.75E-06	9.94E-07	6.92E-07	2.80E-07
R34	4.17E-11	2.81E-06	1.01E-06	7.06E-07	2.85E-07
R35	4.82E-11	3.25E-06	1.17E-06	8.17E-07	3.30E-07
R36	2.12E-11	1.43E-06	5.16E-07	3.59E-07	1.45E-07
R37	2.30E-11	1.55E-06	5.59E-07	3.90E-07	1.57E-07
R38	1.19E-10	8.00E-06	2.89E-06	2.01E-06	8.13E-07
R39	8.93E-11	6.01E-06	2.17E-06	1.51E-06	6.11E-07
R40	2.24E-10	1.51E-05	5.44E-06	3.79E-06	1.53E-06
R41	1.61E-10	1.09E-05	3.92E-06	2.73E-06	1.10E-06
R42	1.49E-10	1.00E-05	3.62E-06	2.52E-06	1.02E-06
R43	1.70E-10	1.14E-05	4.12E-06	2.87E-06	1.16E-06
R44	2.10E-10	1.41E-05	5.10E-06	3.55E-06	1.44E-06
R45	1.58E-10	1.06E-05	3.84E-06	2.68E-06	1.08E-06
R46	1.91E-10	1.28E-05	4.63E-06	3.23E-06	1.30E-06
R47	2.70E-10	1.82E-05	6.57E-06	4.58E-06	1.85E-06
R48	2.04E-10	1.37E-05	4.95E-06	3.45E-06	1.39E-06
R49	1.02E-10	6.88E-06	2.48E-06	1.73E-06	6.99E-07
R50	1.52E-10	1.03E-05	3.71E-06	2.58E-06	1.04E-06
R51	9.01E-11	6.07E-06	2.19E-06	1.53E-06	6.17E-07
R52	4.97E-11	3.35E-06	1.21E-06	8.43E-07	3.40E-07
R53	6.03E-11	4.06E-06	1.47E-06	1.02E-06	4.13E-07
R54	8.76E-11	5.90E-06	2.13E-06	1.48E-06	5.99E-07
R55	6.44E-11	4.34E-06	1.57E-06	1.09E-06	4.41E-07
R56	1.01E-10	6.80E-06	2.45E-06	1.71E-06	6.91E-07
R57	8.97E-11	6.04E-06	2.18E-06	1.52E-06	6.14E-07
R58	8.27E-11	5.57E-06	2.01E-06	1.40E-06	5.66E-07
R59	8.23E-11	5.54E-06	2.00E-06	1.39E-06	5.63E-07
R60	4.76E-11	3.21E-06	1.16E-06	8.07E-07	3.26E-07
R61	5.18E-11	3.49E-06	1.26E-06	8.78E-07	3.54E-07
R62	5.93E-11	4.00E-06	1.44E-06	1.01E-06	4.06E-07
R63	5.63E-11	3.80E-06	1.37E-06	9.55E-07	3.85E-07
R64	5.38E-11	3.62E-06	1.31E-06	9.12E-07	3.68E-07
R65	6.48E-11	4.36E-06	1.57E-06	1.10E-06	4.43E-07
R66	2.67E-11	1.80E-06	6.50E-07	4.53E-07	1.83E-07
R67	9.05E-11	6.09E-06	2.20E-06	1.53E-06	6.19E-07
R68	2.30E-11	1.55E-06	5.59E-07	3.89E-07	1.57E-07
R69	2.80E-11	1.89E-06	6.81E-07	4.75E-07	1.92E-07

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	6.88E-11	4.63E-06	1.67E-06	1.17E-06	4.70E-07
R71	3.25E-10	2.19E-05	7.90E-06	5.51E-06	2.22E-06
R72	4.19E-10	2.82E-05	1.02E-05	7.10E-06	2.87E-06
R73	5.81E-10	3.91E-05	1.41E-05	9.84E-06	3.97E-06
R74	9.86E-11	6.64E-06	2.40E-06	1.67E-06	6.75E-07
R75	3.82E-11	2.57E-06	9.28E-07	6.47E-07	2.61E-07
R76	2.15E-11	1.45E-06	5.23E-07	3.65E-07	1.47E-07
R77	5.38E-11	3.62E-06	1.31E-06	9.12E-07	3.68E-07
R78	5.44E-11	3.67E-06	1.32E-06	9.23E-07	3.73E-07
R79	4.32E-11	2.91E-06	1.05E-06	7.32E-07	2.96E-07
R80	5.06E-11	3.41E-06	1.23E-06	8.58E-07	3.46E-07
R81	4.30E-11	2.90E-06	1.05E-06	7.29E-07	2.94E-07
R82	4.13E-11	2.78E-06	1.00E-06	7.00E-07	2.83E-07
R83	3.81E-11	2.57E-06	9.27E-07	6.46E-07	2.61E-07
R84	5.95E-11	4.01E-06	1.45E-06	1.01E-06	4.07E-07
R85	4.18E-11	2.82E-06	1.02E-06	7.09E-07	2.86E-07
R86	4.10E-11	2.76E-06	9.97E-07	6.95E-07	2.81E-07
R87	3.78E-11	2.55E-06	9.19E-07	6.41E-07	2.59E-07
R88	4.71E-11	3.17E-06	1.15E-06	7.99E-07	3.22E-07
R89	4.25E-11	2.86E-06	1.03E-06	7.20E-07	2.91E-07
R90	3.69E-11	2.48E-06	8.96E-07	6.25E-07	2.52E-07
R91	3.09E-11	2.08E-06	7.51E-07	5.24E-07	2.11E-07
R92	4.62E-11	3.11E-06	1.12E-06	7.83E-07	3.16E-07
R93	3.51E-11	2.37E-06	8.54E-07	5.95E-07	2.40E-07
R94	3.36E-11	2.27E-06	8.18E-07	5.70E-07	2.30E-07
R95	2.84E-11	1.91E-06	6.91E-07	4.82E-07	1.94E-07
R96	4.62E-11	3.11E-06	1.12E-06	7.83E-07	3.16E-07
R97	2.98E-11	2.01E-06	7.24E-07	5.05E-07	2.04E-07
R98	4.97E-11	3.35E-06	1.21E-06	8.43E-07	3.40E-07
R99	8.85E-11	5.96E-06	2.15E-06	1.50E-06	6.05E-07
R100	6.36E-11	4.28E-06	1.55E-06	1.08E-06	4.35E-07
R101	3.28E-11	2.21E-06	7.97E-07	5.56E-07	2.24E-07
R102	4.78E-11	3.22E-06	1.16E-06	8.10E-07	3.27E-07
R103	4.38E-11	2.95E-06	1.07E-06	7.42E-07	3.00E-07
R104	4.87E-11	3.28E-06	1.18E-06	8.25E-07	3.33E-07
R105	1.36E-11	9.14E-07	3.30E-07	2.30E-07	9.29E-08
R106	1.48E-11	9.95E-07	3.59E-07	2.50E-07	1.01E-07

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	4.03E-11	2.71E-06	9.80E-07	6.83E-07	2.76E-07
R108	2.76E-11	1.86E-06	6.72E-07	4.68E-07	1.89E-07
R109	3.68E-11	2.48E-06	8.95E-07	6.24E-07	2.52E-07
R110	2.97E-11	2.00E-06	7.21E-07	5.03E-07	2.03E-07
R111	6.67E-11	4.49E-06	1.62E-06	1.13E-06	4.56E-07
R112	3.52E-11	2.37E-06	8.56E-07	5.96E-07	2.41E-07
R113	6.23E-11	4.20E-06	1.52E-06	1.06E-06	4.27E-07
R114	4.73E-11	3.18E-06	1.15E-06	8.01E-07	3.23E-07
R115	2.33E-11	1.57E-06	5.67E-07	3.95E-07	1.59E-07
R116	1.17E-11	7.90E-07	2.85E-07	1.99E-07	8.02E-08
R117	1.12E-11	7.55E-07	2.73E-07	1.90E-07	7.67E-08
R118	2.20E-11	1.48E-06	5.36E-07	3.73E-07	1.51E-07
R119	7.03E-11	4.73E-06	1.71E-06	1.19E-06	4.81E-07
R120	2.51E-11	1.69E-06	6.10E-07	4.25E-07	1.72E-07
R121	3.08E-11	2.07E-06	7.48E-07	5.21E-07	2.10E-07
R122	6.62E-11	4.46E-06	1.61E-06	1.12E-06	4.53E-07
R123	6.08E-11	4.10E-06	1.48E-06	1.03E-06	4.16E-07
R124	2.93E-11	1.97E-06	7.12E-07	4.96E-07	2.00E-07
R125	6.79E-11	4.58E-06	1.65E-06	1.15E-06	4.65E-07
R126	9.95E-12	6.70E-07	2.42E-07	1.69E-07	6.80E-08
R127	9.93E-11	6.69E-06	2.42E-06	1.68E-06	6.80E-07
R128	7.67E-11	5.17E-06	1.87E-06	1.30E-06	5.25E-07
Max. at boundary	1.92E-09	1.29E-04	–	–	1.31E-05

Nitrogen dioxide (NO₂)

Maximum 1-hour and annual average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)			Annual ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			164			31
R1	16.2	6.1	22.3	< 0.1	8.3	8.3
R2	27.0	4.1	31.1	< 0.1	8.3	8.3
R3	31.9	10.2	42.1	< 0.1	8.3	8.3
R4	29.0	6.1	35.1	< 0.1	8.3	8.3
R5	28.2	8.2	36.4	< 0.1	8.3	8.3
R6	33.4	8.2	41.6	< 0.1	8.3	8.3
R7	25.1	2.0	27.2	< 0.1	8.3	8.3
R8	24.2	< 0.1	24.2	< 0.1	8.3	8.3
R9	15.7	6.1	21.8	< 0.1	8.3	8.3
R10	18.2	22.6	40.7	< 0.1	8.3	8.3
R11	17.8	24.6	42.4	< 0.1	8.3	8.3
R12	21.6	6.1	27.7	< 0.1	8.3	8.3
R13	22.7	6.1	28.9	< 0.1	8.3	8.3
R14	26.8	22.6	49.4	< 0.1	8.3	8.3
R15	22.6	10.2	32.9	< 0.1	8.3	8.3
R16	10.6	4.1	14.7	< 0.1	8.3	8.3
R17	13.0	2.0	15.0	< 0.1	8.3	8.3
R18	11.5	2.0	13.5	< 0.1	8.3	8.3
R19	11.8	22.6	34.3	< 0.1	8.3	8.3
R20	16.7	8.2	24.9	< 0.1	8.3	8.3
R21	17.3	8.2	25.5	< 0.1	8.3	8.3
R22	18.6	8.2	26.8	< 0.1	8.3	8.3
R23	8.8	8.2	17.0	< 0.1	8.3	8.3
R24	9.4	2.0	11.4	< 0.1	8.3	8.3
R25	10.6	22.6	33.2	< 0.1	8.3	8.3
R26	8.3	8.2	16.5	< 0.1	8.3	8.3
R27	3.5	10.2	13.7	< 0.1	8.3	8.3
R28	15.6	8.2	23.8	< 0.1	8.3	8.3
R29	20.6	8.2	28.8	< 0.1	8.3	8.3
R30	20.7	8.2	28.9	< 0.1	8.3	8.3

Rec.	1-hour (max incr.) (µg/m³)			Annual (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	15.1	26.6	41.8	< 0.1	8.3	8.3
R32	12.2	20.5	32.7	< 0.1	8.3	8.3
R33	10.8	22.6	33.4	< 0.1	8.3	8.3
R34	10.6	22.6	33.2	< 0.1	8.3	8.3
R35	10.7	2.0	12.7	< 0.1	8.3	8.3
R36	13.0	2.0	15.0	< 0.1	8.3	8.3
R37	13.4	2.0	15.4	< 0.1	8.3	8.3
R38	33.4	8.2	41.6	< 0.1	8.3	8.3
R39	11.7	4.1	15.8	< 0.1	8.3	8.3
R40	20.5	14.3	34.9	< 0.1	8.3	8.3
R41	40.6	8.2	48.8	< 0.1	8.3	8.3
R42	26.0	< 0.1	26.0	< 0.1	8.3	8.3
R43	20.9	< 0.1	20.9	< 0.1	8.3	8.3
R44	16.4	20.5	36.9	< 0.1	8.3	8.3
R45	15.6	20.5	36.1	< 0.1	8.3	8.3
R46	17.6	10.2	27.9	< 0.1	8.3	8.3
R47	25.7	6.1	31.8	< 0.1	8.3	8.3
R48	19.4	< 0.1	19.4	< 0.1	8.3	8.3
R49	19.3	< 0.1	19.3	< 0.1	8.3	8.3
R50	13.9	2.0	16.0	< 0.1	8.3	8.3
R51	17.7	20.5	38.2	< 0.1	8.3	8.3
R52	11.0	2.0	13.0	< 0.1	8.3	8.3
R53	11.8	8.2	20.0	< 0.1	8.3	8.3
R54	14.7	20.5	35.2	< 0.1	8.3	8.3
R55	11.9	8.2	20.1	< 0.1	8.3	8.3
R56	15.3	8.2	23.5	< 0.1	8.3	8.3
R57	14.1	8.2	22.3	< 0.1	8.3	8.3
R58	17.8	10.2	28.0	< 0.1	8.3	8.3
R59	11.4	22.6	34.0	< 0.1	8.3	8.3
R60	18.8	6.1	24.9	< 0.1	8.3	8.3
R61	17.6	6.1	23.8	< 0.1	8.3	8.3
R62	13.2	22.6	35.7	< 0.1	8.3	8.3
R63	14.8	10.2	25.1	< 0.1	8.3	8.3
R64	11.2	8.2	19.4	< 0.1	8.3	8.3
R65	16.9	< 0.1	16.9	< 0.1	8.3	8.3

Rec.	1-hour (max incr.) (µg/m³)			Annual (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	14.8	8.2	23.0	< 0.1	8.3	8.3
R67	8.5	8.2	16.7	< 0.1	8.3	8.3
R68	8.3	4.1	12.4	< 0.1	8.3	8.3
R69	7.8	8.2	16.0	< 0.1	8.3	8.3
R70	7.6	4.1	11.7	< 0.1	8.3	8.3
R71	15.8	14.3	30.1	< 0.1	8.3	8.3
R72	21.7	6.1	27.8	< 0.1	8.3	8.3
R73	18.4	10.2	28.7	< 0.1	8.3	8.3
R74	24.9	< 0.1	24.9	< 0.1	8.3	8.3
R75	13.3	< 0.1	13.3	< 0.1	8.3	8.3
R76	18.9	10.2	29.1	< 0.1	8.3	8.3
R77	18.2	22.6	40.7	< 0.1	8.3	8.3
R78	12.1	6.1	18.3	< 0.1	8.3	8.3
R79	16.1	6.1	22.3	< 0.1	8.3	8.3
R80	13.4	12.3	25.7	< 0.1	8.3	8.3
R81	14.8	6.1	21.0	< 0.1	8.3	8.3
R82	11.9	24.6	36.5	< 0.1	8.3	8.3
R83	14.3	22.6	36.8	< 0.1	8.3	8.3
R84	16.2	22.6	38.8	< 0.1	8.3	8.3
R85	13.0	22.6	35.6	< 0.1	8.3	8.3
R86	16.5	22.6	39.0	< 0.1	8.3	8.3
R87	15.0	22.6	37.6	< 0.1	8.3	8.3
R88	6.3	10.2	16.6	< 0.1	8.3	8.3
R89	6.0	10.2	16.3	< 0.1	8.3	8.3
R90	10.6	8.2	18.8	< 0.1	8.3	8.3
R91	13.6	22.6	36.1	< 0.1	8.3	8.3
R92	8.8	8.2	17.0	< 0.1	8.3	8.3
R93	14.0	6.1	20.1	< 0.1	8.3	8.3
R94	10.3	47.1	57.5	< 0.1	8.3	8.3
R95	10.3	47.1	57.5	< 0.1	8.3	8.3
R96	12.3	< 0.1	12.3	< 0.1	8.3	8.3
R97	9.0	< 0.1	9.0	< 0.1	8.3	8.3
R98	11.7	< 0.1	11.7	< 0.1	8.3	8.3
R99	10.2	10.2	20.4	< 0.1	8.3	8.3
R100	12.5	8.2	20.7	< 0.1	8.3	8.3

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)			Annual ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	9.5	< 0.1	9.5	< 0.1	8.3	8.3
R102	10.2	8.2	18.4	< 0.1	8.3	8.3
R103	9.9	22.6	32.5	< 0.1	8.3	8.3
R104	8.8	8.2	17.0	< 0.1	8.3	8.3
R105	5.9	22.6	28.5	< 0.1	8.3	8.3
R106	5.6	4.1	9.7	< 0.1	8.3	8.3
R107	7.7	< 0.1	7.7	< 0.1	8.3	8.3
R108	12.6	8.2	20.8	< 0.1	8.3	8.3
R109	13.7	< 0.1	13.7	< 0.1	8.3	8.3
R110	11.8	2.0	13.9	< 0.1	8.3	8.3
R111	7.8	16.4	24.2	< 0.1	8.3	8.3
R112	15.1	2.0	17.2	< 0.1	8.3	8.3
R113	12.9	8.2	21.1	< 0.1	8.3	8.3
R114	5.2	16.4	21.6	< 0.1	8.3	8.3
R115	7.5	10.2	17.7	< 0.1	8.3	8.3
R116	4.6	4.1	8.7	< 0.1	8.3	8.3
R117	7.1	10.2	17.4	< 0.1	8.3	8.3
R118	9.5	2.0	11.5	< 0.1	8.3	8.3
R119	7.7	16.4	24.1	< 0.1	8.3	8.3
R120	12.2	2.0	14.2	< 0.1	8.3	8.3
R121	14.3	< 0.1	14.3	< 0.1	8.3	8.3
R122	12.7	< 0.1	12.7	< 0.1	8.3	8.3
R123	12.2	6.1	18.4	< 0.1	8.3	8.3
R124	13.4	6.1	19.6	< 0.1	8.3	8.3
R125	11.8	< 0.1	11.8	< 0.1	8.3	8.3
R126	5.9	< 0.1	5.9	< 0.1	8.3	8.3
R127	16.3	< 0.1	16.3	< 0.1	8.3	8.3
R128	21.9	2.0	24.0	< 0.1	8.3	8.3

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	125.3	21/03/2021 17:00	12.5	1.27	13.08	0.635	0.1	0.03	16.2	6.1	22.3
R2	229.3	11/07/2021 16:00	22.9	0.75	31.61	0.87	0.07	0.02	27.0	4.1	31.1
R3	255.3	10/10/2021 17:00	25.5	1.59	21.80	0.74	0.1	0.03	31.9	10.2	42.1
R4	245.5	07/04/2021 17:00	24.5	1.19	16.35	0.635	0.1	0.02	29.0	6.1	35.1
R5	224.3	28/06/2021 16:00	22.4	1.64	13.08	0.74	0.07	0.03	28.2	8.2	36.4
R6	247.2	01/10/2021 17:00	24.7	2.91	32.70	0.8	0.1	0.04	33.4	8.2	41.6
R7	164.6	20/05/2021 16:00	16.5	1.32	28.34	0.74	0.1	0.06	25.1	2.0	27.2
R8	160.1	21/07/2021 16:00	16.0	1.91	31.61	0.87	0.07	0.06	24.2	< 0.1	24.2
R9	106.7	07/04/2021 17:00	10.7	1.19	16.35	0.635	0.1	0.05	15.7	6.1	21.8
R10	121.5	01/09/2021 17:00	12.2	1.60	33.79	0.8	0.1	0.05	18.2	22.6	40.7
R11	129.2	01/04/2021 17:00	12.9	1.89	18.53	0.635	0.1	0.04	17.8	24.6	42.4
R12	149.3	02/04/2021 17:00	14.9	1.69	55.59	0.85	0.1	0.05	21.6	6.1	27.7
R13	156.7	02/04/2021 17:00	15.7	1.69	55.59	0.85	0.1	0.05	22.7	6.1	28.9
R14	227.6	22/03/2021 17:00	22.8	1.23	8.72	0.635	0.1	0.02	26.8	22.6	49.4
R15	157.4	02/09/2021 17:00	15.7	1.59	34.88	0.8	0.1	0.05	22.6	10.2	32.9
R16	36.1	03/08/2021 17:00	3.6	3.61	32.70	0.87	0.07	0.21	10.6	4.1	14.7
R17	36.2	17/06/2021 17:00	3.6	2.08	27.25	0.83	0.07	0.29	13.0	2.0	15.0
R18	32.2	17/06/2021 17:00	3.2	2.08	27.25	0.83	0.07	0.28	11.5	2.0	13.5
R19	46.5	21/05/2021 17:00	4.7	1.28	16.35	0.635	0.1	0.17	11.8	22.6	34.3
R20	57.9	20/05/2021 17:00	5.8	1.16	22.89	0.74	0.1	0.21	16.7	8.2	24.9
R21	57.6	20/05/2021 17:00	5.8	1.16	22.89	0.74	0.1	0.22	17.3	8.2	25.5
R22	55.5	20/05/2021 17:00	5.6	1.16	22.89	0.74	0.1	0.26	18.6	8.2	26.8
R23	25.0	01/10/2021 17:00	2.5	2.91	32.70	0.8	0.1	0.28	8.8	8.2	17.0
R24	26.3	21/09/2021 17:00	2.6	2.19	32.70	0.8	0.1	0.29	9.4	2.0	11.4
R25	38.1	28/06/2021 17:00	3.8	1.61	13.08	0.74	0.07	0.20	10.6	22.6	33.2
R26	28.9	28/06/2021 16:00	2.9	1.64	13.08	0.74	0.07	0.21	8.3	8.2	16.5
R27	13.0	02/07/2021 17:00	1.3	0.34	10.90	0.74	0.07	0.19	3.5	10.2	13.7
R28	50.9	20/05/2021 17:00	5.1	1.16	22.89	0.74	0.1	0.23	15.6	8.2	23.8
R29	66.2	20/05/2021 17:00	6.6	1.16	22.89	0.74	0.1	0.24	20.6	8.2	28.8
R30	65.9	20/05/2021 17:00	6.6	1.16	22.89	0.74	0.1	0.24	20.7	8.2	28.9
R31	72.7	18/03/2021 17:00	7.3	1.84	5.45	0.635	0.1	0.12	15.1	26.6	41.8
R32	45.6	21/05/2021 16:00	4.6	1.91	16.35	0.635	0.1	0.19	12.2	20.5	32.7

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	37.6	28/06/2021 17:00	3.8	1.61	13.08	0.74	0.07	0.21	10.8	22.6	33.4
R34	37.0	28/06/2021 17:00	3.7	1.61	13.08	0.74	0.07	0.21	10.6	22.6	33.2
R35	29.8	21/09/2021 17:00	3.0	2.19	32.70	0.8	0.1	0.29	10.7	2.0	12.7
R36	37.5	17/06/2021 17:00	3.8	2.08	27.25	0.83	0.07	0.27	13.0	2.0	15.0
R37	38.2	17/06/2021 17:00	3.8	2.08	27.25	0.83	0.07	0.28	13.4	2.0	15.4
R38	182.8	09/09/2021 17:00	18.3	2.29	37.06	0.8	0.1	0.09	33.4	8.2	41.6
R39	63.6	28/07/2021 17:00	6.4	4.19	30.52	0.87	0.07	0.09	11.7	4.1	15.8
R40	147.9	28/09/2021 17:00	14.8	1.69	38.15	0.8	0.1	0.04	20.5	14.3	34.9
R41	355.0	12/07/2021 08:00	35.5	0.16	< 0.1	0.49	0.05	0.02	40.6	8.2	48.8
R42	165.5	05/07/2021 16:00	16.5	1.32	28.34	0.83	0.07	0.06	26.0	< 0.1	26.0
R43	102.6	07/09/2021 17:00	10.3	2.00	35.97	0.8	0.1	0.12	20.9	< 0.1	20.9
R44	95.7	26/03/2021 17:00	9.6	2.13	28.34	0.74	0.1	0.08	16.4	20.5	36.9
R45	85.1	26/03/2021 17:00	8.5	2.13	28.34	0.74	0.1	0.09	15.6	20.5	36.1
R46	96.8	10/10/2021 17:00	9.7	1.59	21.80	0.74	0.1	0.09	17.6	10.2	27.9
R47	162.9	07/04/2021 17:00	16.3	1.19	16.35	0.635	0.1	0.06	25.7	6.1	31.8
R48	118.4	23/05/2021 16:00	11.8	1.78	27.25	0.74	0.1	0.07	19.4	< 0.1	19.4
R49	111.8	21/07/2021 16:00	11.2	1.91	31.61	0.87	0.07	0.08	19.3	< 0.1	19.3
R50	69.9	21/09/2021 17:00	7.0	2.19	32.70	0.8	0.1	0.11	13.9	2.0	16.0
R51	88.4	21/05/2021 16:00	8.8	1.91	16.35	0.635	0.1	0.11	17.7	20.5	38.2
R52	48.1	20/06/2021 16:00	4.8	1.20	26.16	0.83	0.07	0.14	11.0	2.0	13.0
R53	58.4	28/06/2021 16:00	5.8	1.64	13.08	0.74	0.07	0.11	11.8	8.2	20.0
R54	62.0	21/05/2021 16:00	6.2	1.91	16.35	0.635	0.1	0.15	14.7	20.5	35.2
R55	44.0	01/10/2021 17:00	4.4	2.91	32.70	0.8	0.1	0.19	11.9	8.2	20.1
R56	57.1	20/05/2021 17:00	5.7	1.16	22.89	0.74	0.1	0.19	15.3	8.2	23.5
R57	55.8	06/09/2021 17:00	5.6	1.76	30.52	0.8	0.1	0.17	14.1	8.2	22.3
R58	71.8	10/10/2021 17:00	7.2	1.59	21.80	0.74	0.1	0.16	17.8	10.2	28.0
R59	46.0	01/09/2021 17:00	4.6	1.60	33.79	0.8	0.1	0.16	11.4	22.6	34.0
R60	72.6	02/04/2021 17:00	7.3	1.69	55.59	0.85	0.1	0.18	18.8	6.1	24.9
R61	70.1	02/04/2021 17:00	7.0	1.69	55.59	0.85	0.1	0.17	17.6	6.1	23.8
R62	62.7	22/03/2021 17:00	6.3	1.23	8.72	0.635	0.1	0.12	13.2	22.6	35.7
R63	111.3	23/06/2021 16:00	11.1	1.77	4.36	0.49	0.05	0.04	14.8	10.2	25.1
R64	40.5	08/10/2021 17:00	4.1	2.19	38.15	0.8	0.1	0.20	11.2	8.2	19.4
R65	64.9	11/06/2021 17:00	6.5	0.86	25.07	0.83	0.07	0.18	16.9	< 0.1	16.9
R66	63.0	12/06/2021 17:00	6.3	0.79	19.62	0.74	0.07	0.15	14.8	8.2	23.0
R67	30.2	09/09/2021 17:00	3.0	2.29	37.06	0.8	0.1	0.20	8.5	8.2	16.7
R68	37.2	11/08/2021 17:00	3.7	2.93	32.70	0.87	0.07	0.14	8.3	4.1	12.4

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	32.2	04/09/2021 17:00	3.2	1.41	20.71	0.74	0.1	0.16	7.8	8.2	16.0
R70	38.3	22/08/2021 17:00	3.8	2.04	32.70	0.87	0.07	0.11	7.6	4.1	11.7
R71	87.3	28/09/2021 17:00	8.7	1.69	38.15	0.8	0.1	0.09	15.8	14.3	30.1
R72	114.0	17/09/2021 17:00	11.4	1.61	33.79	0.8	0.1	0.10	21.7	6.1	27.8
R73	107.8	02/09/2021 17:00	10.8	1.59	34.88	0.8	0.1	0.08	18.4	10.2	28.7
R74	129.9	11/06/2021 16:00	13.0	1.40	22.89	0.83	0.07	0.10	24.9	< 0.1	24.9
R75	53.7	26/06/2021 16:00	5.4	1.73	29.43	0.83	0.07	0.16	13.3	< 0.1	13.3
R76	62.7	13/05/2021 16:00	6.3	0.89	32.70	0.8	0.1	0.22	18.9	10.2	29.1
R77	88.4	22/03/2021 17:00	8.8	1.23	8.72	0.635	0.1	0.12	18.2	22.6	40.7
R78	49.7	02/04/2021 17:00	5.0	1.69	55.59	0.85	0.1	0.16	12.1	6.1	18.3
R79	60.8	02/04/2021 17:00	6.1	1.69	55.59	0.85	0.1	0.18	16.1	6.1	22.3
R80	44.0	27/09/2021 17:00	4.4	1.52	33.79	0.8	0.1	0.23	13.4	12.3	25.7
R81	53.7	02/04/2021 17:00	5.4	1.69	55.59	0.85	0.1	0.20	14.8	6.1	21.0
R82	51.5	01/04/2021 17:00	5.2	1.89	18.53	0.635	0.1	0.15	11.9	24.6	36.5
R83	51.5	01/09/2021 17:00	5.2	1.60	33.79	0.8	0.1	0.20	14.3	22.6	36.8
R84	60.4	01/09/2021 17:00	6.0	1.60	33.79	0.8	0.1	0.19	16.2	22.6	38.8
R85	57.6	22/03/2021 17:00	5.8	1.23	8.72	0.635	0.1	0.14	13.0	22.6	35.6
R86	75.4	22/03/2021 17:00	7.5	1.23	8.72	0.635	0.1	0.13	16.5	22.6	39.0
R87	64.5	22/03/2021 17:00	6.4	1.23	8.72	0.635	0.1	0.15	15.0	22.6	37.6
R88	24.7	01/05/2021 17:00	2.5	1.04	26.16	0.74	0.1	0.17	6.3	10.2	16.6
R89	22.6	01/05/2021 17:00	2.3	1.04	26.16	0.74	0.1	0.18	6.0	10.2	16.3
R90	34.2	08/10/2021 17:00	3.4	2.19	38.15	0.8	0.1	0.23	10.6	8.2	18.8
R91	55.1	22/03/2021 17:00	5.5	1.23	8.72	0.635	0.1	0.16	13.6	22.6	36.1
R92	30.1	08/10/2021 17:00	3.0	2.19	38.15	0.8	0.1	0.22	8.8	8.2	17.0
R93	48.6	02/04/2021 17:00	4.9	1.69	55.59	0.85	0.1	0.21	14.0	6.1	20.1
R94	41.9	24/05/2021 17:00	4.2	1.18	3.27	0.635	0.1	0.16	10.3	47.1	57.5
R95	39.7	24/05/2021 17:00	4.0	1.18	3.27	0.635	0.1	0.18	10.3	47.1	57.5
R96	47.8	14/03/2021 17:00	4.8	1.83	15.26	0.635	0.1	0.17	12.3	< 0.1	12.3
R97	29.1	07/09/2021 17:00	2.9	2.00	35.97	0.8	0.1	0.23	9.0	< 0.1	9.0
R98	38.6	05/05/2021 17:00	3.9	2.87	25.07	0.74	0.1	0.23	11.7	< 0.1	11.7
R99	36.0	13/09/2021 17:00	3.6	3.22	27.25	0.74	0.1	0.20	10.2	10.2	20.4
R100	54.0	28/06/2021 16:00	5.4	1.64	13.08	0.74	0.07	0.15	12.5	8.2	20.7
R101	33.1	14/03/2021 17:00	3.3	1.83	15.26	0.635	0.1	0.21	9.5	< 0.1	9.5
R102	32.4	01/10/2021 17:00	3.2	2.91	32.70	0.8	0.1	0.24	10.2	8.2	18.4
R103	38.0	28/06/2021 17:00	3.8	1.61	13.08	0.74	0.07	0.18	9.9	22.6	32.5
R104	31.6	28/06/2021 16:00	3.2	1.64	13.08	0.74	0.07	0.20	8.8	8.2	17.0

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	24.2	08/06/2021 16:00	2.4	1.72	14.17	0.74	0.07	0.16	5.9	22.6	28.5
R106	20.8	11/08/2021 17:00	2.1	2.93	32.70	0.87	0.07	0.19	5.6	4.1	9.7
R107	31.0	15/07/2021 17:00	3.1	1.09	27.25	0.83	0.07	0.17	7.7	< 0.1	7.7
R108	49.5	12/06/2021 17:00	4.9	0.79	19.62	0.74	0.07	0.17	12.6	8.2	20.8
R109	48.8	26/06/2021 16:00	4.9	1.73	29.43	0.83	0.07	0.20	13.7	< 0.1	13.7
R110	37.5	19/07/2021 17:00	3.8	0.63	22.89	0.83	0.07	0.24	11.8	2.0	13.9
R111	28.2	20/04/2021 17:00	2.8	1.01	18.53	0.635	0.1	0.20	7.8	16.4	24.2
R112	51.3	17/06/2021 17:00	5.1	2.08	27.25	0.83	0.07	0.22	15.1	2.0	17.2
R113	35.3	09/09/2021 17:00	3.5	2.29	37.06	0.8	0.1	0.30	12.9	8.2	21.1
R114	16.5	20/04/2021 17:00	1.7	1.01	18.53	0.635	0.1	0.24	5.2	16.4	21.6
R115	28.1	02/07/2021 17:00	2.8	0.34	10.90	0.74	0.07	0.18	7.5	10.2	17.7
R116	15.0	11/08/2021 17:00	1.5	2.93	32.70	0.87	0.07	0.23	4.6	4.1	8.7
R117	23.3	02/07/2021 17:00	2.3	0.34	10.90	0.74	0.07	0.23	7.1	10.2	17.4
R118	28.2	17/06/2021 17:00	2.8	2.08	27.25	0.83	0.07	0.26	9.5	2.0	11.5
R119	32.1	20/04/2021 17:00	3.2	1.01	18.53	0.635	0.1	0.16	7.7	16.4	24.1
R120	36.1	17/06/2021 17:00	3.6	2.08	27.25	0.83	0.07	0.26	12.2	2.0	14.2
R121	42.9	07/09/2021 17:00	4.3	2.00	35.97	0.8	0.1	0.26	14.3	< 0.1	14.3
R122	44.6	13/06/2021 16:00	4.5	1.50	27.25	0.83	0.07	0.21	12.7	< 0.1	12.7
R123	35.2	13/05/2021 17:00	3.5	1.57	28.34	0.74	0.1	0.27	12.2	6.1	18.4
R124	37.2	13/05/2021 17:00	3.7	1.57	28.34	0.74	0.1	0.29	13.4	6.1	19.6
R125	33.5	27/05/2021 17:00	3.4	1.48	26.16	0.74	0.1	0.28	11.8	< 0.1	11.8
R126	15.0	10/04/2021 17:00	1.5	1.86	26.16	0.74	0.1	0.32	5.9	< 0.1	5.9
R127	79.2	21/07/2021 16:00	7.9	1.91	31.61	0.87	0.07	0.12	16.3	< 0.1	16.3
R128	98.4	20/05/2021 16:00	9.8	1.32	28.34	0.74	0.1	0.14	21.9	2.0	24.0

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R6				Highest cumulative PM ₁₀ impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/11/2021	0.6	6.6	7.2	04/05/2021	0.1	54.9	55.0
31/01/2021	0.5	17.5	18.0	20/04/2021	< 0.1	46.2	46.2
16/03/2021	0.5	11.4	11.9	28/10/2021	< 0.1	36.6	36.6
28/11/2021	0.5	21.6	22.1	29/04/2021	< 0.1	36.0	36.0
27/01/2021	0.5	11.1	11.6	02/09/2021	< 0.1	36.0	36.0
27/12/2021	0.4	11.2	11.6	18/01/2021	< 0.1	35.8	35.8
15/02/2021	0.4	12.6	13.0	10/09/2021	< 0.1	35.5	35.5
13/02/2021	0.4	11.1	11.5	27/04/2021	< 0.1	35.4	35.4
28/06/2021	0.4	12.0	12.4	21/08/2021	< 0.1	34.6	34.6
23/02/2021	0.4	21.3	21.7	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R41				Highest cumulative PM ₁₀ impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
29/07/2021	0.5	10.9	11.4	04/05/2021	< 0.1	54.9	55.0
05/07/2021	0.5	10.9	11.4	20/04/2021	< 0.1	46.2	46.2
23/04/2021	0.4	29.9	30.3	28/10/2021	< 0.1	36.6	36.6
16/01/2021	0.4	25.0	25.4	29/04/2021	0.1	36.0	36.1
07/09/2021	0.4	13.3	13.7	02/09/2021	< 0.1	36.0	36.0
13/08/2021	0.4	15.0	15.4	18/01/2021	< 0.1	35.8	35.9
17/05/2021	0.4	13.5	13.9	10/09/2021	< 0.1	35.5	35.6
25/08/2021	0.3	5.4	5.7	27/04/2021	0.2	35.4	35.6
12/04/2021	0.3	16.9	17.2	21/08/2021	< 0.1	34.6	34.6
28/08/2021	0.3	11.1	11.4	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R4				Highest cumulative PM ₁₀ impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	0.4	13.8	14.2	04/05/2021	< 0.1	54.9	55.0
18/03/2021	0.4	9.1	9.5	20/04/2021	< 0.1	46.2	46.2
11/11/2021	0.3	14.5	14.8	28/10/2021	< 0.1	36.6	36.6
28/01/2021	0.3	16.0	16.3	29/04/2021	< 0.1	36.0	36.0
20/03/2021	0.3	9.9	10.2	02/09/2021	< 0.1	36.0	36.0
23/11/2021	0.3	13.2	13.5	18/01/2021	< 0.1	35.8	35.8
09/02/2021	0.3	19.8	20.1	10/09/2021	< 0.1	35.5	35.5
07/04/2021	0.3	11.5	11.8	27/04/2021	< 0.1	35.4	35.4
12/10/2021	0.2	8.9	9.1	21/08/2021	< 0.1	34.6	34.6
08/11/2021	0.2	11.1	11.3	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R3				Highest cumulative PM ₁₀ impact – Receptor R7			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	0.4	13.8	14.2	04/05/2021	< 0.1	54.9	54.9
18/03/2021	0.3	9.1	9.4	20/04/2021	< 0.1	46.2	46.2
28/01/2021	0.3	16.0	16.3	28/10/2021	< 0.1	36.6	36.6
11/11/2021	0.3	14.5	14.8	29/04/2021	< 0.1	36.0	36.0
07/04/2021	0.3	11.5	11.8	02/09/2021	< 0.1	36.0	36.0
09/02/2021	0.2	19.8	20.0	18/01/2021	< 0.1	35.8	35.8
16/02/2021	0.2	9.9	10.1	10/09/2021	< 0.1	35.5	35.5
20/03/2021	0.2	9.9	10.1	27/04/2021	< 0.1	35.4	35.4
08/11/2021	0.2	11.1	11.3	21/08/2021	< 0.1	34.6	34.6
12/10/2021	0.2	8.9	9.1	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R8			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	0.3	13.8	14.1	04/05/2021	< 0.1	54.9	54.9
18/03/2021	0.3	9.1	9.4	20/04/2021	< 0.1	46.2	46.2
11/11/2021	0.3	14.5	14.8	28/10/2021	< 0.1	36.6	36.6
20/03/2021	0.3	9.9	10.2	29/04/2021	< 0.1	36.0	36.0
23/11/2021	0.2	13.2	13.4	02/09/2021	< 0.1	36.0	36.0
12/10/2021	0.2	8.9	9.1	18/01/2021	< 0.1	35.8	35.8
07/04/2021	0.2	11.5	11.7	10/09/2021	< 0.1	35.5	35.5
09/02/2021	0.2	19.8	20.0	27/04/2021	< 0.1	35.4	35.4
28/01/2021	0.2	16.0	16.2	21/08/2021	< 0.1	34.6	34.6
17/03/2021	0.2	13.5	13.7	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R14				Highest cumulative PM ₁₀ impact – Receptor R42			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/03/2021	0.3	5.9	6.2	04/05/2021	< 0.1	54.9	54.9
05/11/2021	0.2	9.8	10.0	20/04/2021	< 0.1	46.2	46.2
19/02/2021	0.1	13.4	13.5	28/10/2021	< 0.1	36.6	36.6
17/11/2021	0.1	21.5	21.6	29/04/2021	< 0.1	36.0	36.0
29/01/2021	0.1	8.2	8.3	02/09/2021	< 0.1	36.0	36.0
03/11/2021	0.1	17.8	17.9	18/01/2021	< 0.1	35.8	35.8
24/05/2021	0.1	10.3	10.4	10/09/2021	< 0.1	35.5	35.5
13/10/2021	0.1	10.2	10.3	27/04/2021	< 0.1	35.4	35.4
02/11/2021	< 0.1	19.1	19.2	21/08/2021	< 0.1	34.6	34.6
06/11/2021	< 0.1	12.3	12.4	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R7				Highest cumulative PM ₁₀ impact – Receptor R48			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
14/09/2021	0.3	8.5	8.8	04/05/2021	< 0.1	54.9	54.9
26/11/2021	0.3	6.4	6.7	20/04/2021	< 0.1	46.2	46.2
07/05/2021	0.2	8.0	8.2	28/10/2021	< 0.1	36.6	36.6
14/03/2021	0.2	7.4	7.6	29/04/2021	< 0.1	36.0	36.0
11/12/2021	0.2	8.1	8.3	02/09/2021	< 0.1	36.0	36.0
28/05/2021	0.2	14.3	14.5	18/01/2021	< 0.1	35.8	35.8
20/06/2021	0.2	8.0	8.2	10/09/2021	< 0.1	35.5	35.5
05/05/2021	0.2	7.8	8.0	27/04/2021	< 0.1	35.4	35.4
11/10/2021	0.2	7.5	7.7	21/08/2021	< 0.1	34.6	34.6
21/07/2021	0.2	8.0	8.2	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R5				Highest cumulative PM ₁₀ impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
13/02/2021	0.2	11.1	11.3	04/05/2021	< 0.1	54.9	54.9
22/11/2021	0.2	18.0	18.2	20/04/2021	< 0.1	46.2	46.2
01/01/2021	0.2	12.1	12.3	28/10/2021	< 0.1	36.6	36.6
19/01/2021	0.2	30.0	30.2	29/04/2021	< 0.1	36.0	36.0
28/06/2021	0.2	12.0	12.2	02/09/2021	< 0.1	36.0	36.0
23/02/2021	0.2	21.3	21.5	18/01/2021	< 0.1	35.8	35.8
07/01/2021	0.2	11.0	11.2	10/09/2021	< 0.1	35.5	35.6
04/12/2021	0.2	19.4	19.6	27/04/2021	< 0.1	35.4	35.4
14/02/2021	0.2	15.9	16.1	21/08/2021	< 0.1	34.6	34.6
21/05/2021	0.2	18.5	18.7	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R40				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
06/12/2021	0.2	19.2	19.4	04/05/2021	< 0.1	54.9	54.9
30/06/2021	0.2	10.0	10.2	20/04/2021	< 0.1	46.2	46.2
02/05/2021	0.2	12.4	12.6	28/10/2021	< 0.1	36.6	36.6
23/03/2021	0.2	4.1	4.3	29/04/2021	< 0.1	36.0	36.0
25/05/2021	0.2	9.6	9.8	02/09/2021	< 0.1	36.0	36.0
02/08/2021	0.2	18.3	18.5	18/01/2021	< 0.1	35.8	35.8
14/10/2021	0.2	11.6	11.8	10/09/2021	< 0.1	35.5	35.6
28/09/2021	0.2	20.1	20.3	27/04/2021	< 0.1	35.4	35.4
16/06/2021	0.2	14.2	14.4	21/08/2021	< 0.1	34.6	34.6
27/09/2021	0.1	16.2	16.3	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R8				Highest cumulative PM ₁₀ impact – Receptor R43			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
14/09/2021	0.2	8.5	8.7	04/05/2021	< 0.1	54.9	54.9
07/05/2021	0.2	8.0	8.2	20/04/2021	< 0.1	46.2	46.2
26/11/2021	0.2	6.4	6.6	28/10/2021	< 0.1	36.6	36.6
28/05/2021	0.2	14.3	14.5	29/04/2021	< 0.1	36.0	36.0
14/03/2021	0.2	7.4	7.6	02/09/2021	< 0.1	36.0	36.0
05/05/2021	0.1	7.8	7.9	18/01/2021	< 0.1	35.8	35.8
20/06/2021	0.1	8.0	8.1	10/09/2021	< 0.1	35.5	35.5
21/07/2021	0.1	8.0	8.1	27/04/2021	< 0.1	35.4	35.4
11/12/2021	0.1	8.1	8.2	21/08/2021	< 0.1	34.6	34.6
10/07/2021	0.1	7.9	8.0	20/08/2021	< 0.1	34.1	34.1

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R6				Highest cumulative PM _{2.5} impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/11/2021	0.6	1.9	2.5	04/05/2021	0.1	40.3	40.4
31/01/2021	0.5	8.1	8.6	29/04/2021	< 0.1	21.8	21.8
16/03/2021	0.5	1.2	1.7	23/04/2021	< 0.1	19.5	19.5
28/11/2021	0.5	5.6	6.1	20/08/2021	< 0.1	19.2	19.2
27/01/2021	0.5	7.0	7.5	10/10/2021	0.1	16.9	17.0
27/12/2021	0.4	2.0	2.4	15/08/2021	< 0.1	16.1	16.1
15/02/2021	0.4	4.7	5.1	03/05/2021	< 0.1	14.9	14.9
13/02/2021	0.4	6.2	6.6	23/08/2021	< 0.1	14.7	14.7
28/06/2021	0.4	4.5	4.9	14/08/2021	< 0.1	14.3	14.3
23/02/2021	0.4	5.3	5.7	19/01/2021	0.2	13.8	14.0

Highest incremental PM _{2.5} impact – Receptor R41				Highest cumulative PM _{2.5} impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
29/07/2021	0.5	4.8	5.3	04/05/2021	< 0.1	40.3	40.4
05/07/2021	0.5	6.2	6.7	29/04/2021	0.1	21.8	21.9
23/04/2021	0.4	19.5	19.9	23/04/2021	0.4	19.5	19.9
16/01/2021	0.4	9.4	9.8	20/08/2021	< 0.1	19.2	19.2
07/09/2021	0.4	3.9	4.3	10/10/2021	< 0.1	16.9	16.9
13/08/2021	0.4	4.4	4.8	15/08/2021	< 0.1	16.1	16.2
17/05/2021	0.4	5.2	5.6	03/05/2021	< 0.1	14.9	14.9
25/08/2021	0.3	2.9	3.2	23/08/2021	< 0.1	14.7	14.7
12/04/2021	0.3	3.6	3.9	14/08/2021	0.1	14.3	14.4
28/08/2021	0.3	5.3	5.6	30/04/2021	0.1	13.7	13.8

Highest incremental PM _{2.5} impact – Receptor R4				Highest cumulative PM _{2.5} impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	0.4	2.9	3.3	04/05/2021	< 0.1	40.3	40.4
18/03/2021	0.4	2.5	2.9	29/04/2021	< 0.1	21.8	21.8
11/11/2021	0.3	3.6	3.9	23/04/2021	< 0.1	19.5	19.5
28/01/2021	0.3	8.3	8.6	20/08/2021	< 0.1	19.2	19.2
20/03/2021	0.3	1.5	1.8	10/10/2021	< 0.1	16.9	17.0
23/11/2021	0.3	3.8	4.1	15/08/2021	< 0.1	16.1	16.1
09/02/2021	0.3	8.3	8.6	03/05/2021	< 0.1	14.9	14.9
07/04/2021	0.3	3.6	3.9	23/08/2021	< 0.1	14.7	14.7
12/10/2021	0.2	3.5	3.7	14/08/2021	< 0.1	14.3	14.3
08/11/2021	0.2	5.0	5.2	19/01/2021	0.2	13.8	14.0

Highest incremental PM _{2.5} impact – Receptor R3				Highest cumulative PM _{2.5} impact – Receptor R7			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	0.4	2.9	3.3	04/05/2021	< 0.1	40.3	40.3
18/03/2021	0.3	2.5	2.8	29/04/2021	< 0.1	21.8	21.8
28/01/2021	0.3	8.3	8.6	23/04/2021	< 0.1	19.5	19.5
11/11/2021	0.3	3.6	3.9	20/08/2021	< 0.1	19.2	19.2
07/04/2021	0.3	3.6	3.9	10/10/2021	< 0.1	16.9	16.9
09/02/2021	0.2	8.3	8.5	15/08/2021	< 0.1	16.1	16.1
16/02/2021	0.2	5.7	5.9	03/05/2021	< 0.1	14.9	14.9
20/03/2021	0.2	1.5	1.7	23/08/2021	< 0.1	14.7	14.7
08/11/2021	0.2	5.0	5.2	14/08/2021	< 0.1	14.3	14.3
12/10/2021	0.2	3.5	3.7	19/01/2021	< 0.1	13.8	13.8

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R8			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	0.3	2.9	3.2	04/05/2021	< 0.1	40.3	40.3
18/03/2021	0.3	2.5	2.8	29/04/2021	< 0.1	21.8	21.8
11/11/2021	0.3	3.6	3.9	23/04/2021	< 0.1	19.5	19.5
20/03/2021	0.3	1.5	1.8	20/08/2021	< 0.1	19.2	19.2
23/11/2021	0.2	3.8	4.0	10/10/2021	< 0.1	16.9	16.9
12/10/2021	0.2	3.5	3.7	15/08/2021	< 0.1	16.1	16.1
07/04/2021	0.2	3.6	3.8	03/05/2021	< 0.1	14.9	14.9
09/02/2021	0.2	8.3	8.5	23/08/2021	< 0.1	14.7	14.7
28/01/2021	0.2	8.3	8.5	14/08/2021	< 0.1	14.3	14.3
17/03/2021	0.2	3.3	3.5	19/01/2021	< 0.1	13.8	13.8

Highest incremental PM _{2.5} impact – Receptor R14				Highest cumulative PM _{2.5} impact – Receptor R42			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/03/2021	0.3	2.4	2.7	04/05/2021	< 0.1	40.3	40.3
05/11/2021	0.2	3.7	3.9	29/04/2021	< 0.1	21.8	21.8
19/02/2021	0.1	2.9	3.1	23/04/2021	0.1	19.5	19.6
17/11/2021	0.1	4.5	4.6	20/08/2021	< 0.1	19.2	19.2
29/01/2021	0.1	4.3	4.4	10/10/2021	< 0.1	16.9	16.9
03/11/2021	0.1	2.7	2.8	15/08/2021	< 0.1	16.1	16.1
24/05/2021	0.1	3.7	3.8	03/05/2021	< 0.1	14.9	14.9
13/10/2021	0.1	3.4	3.5	23/08/2021	< 0.1	14.7	14.7
02/11/2021	< 0.1	3.5	3.6	14/08/2021	< 0.1	14.3	14.3
06/11/2021	< 0.1	5.1	5.2	21/08/2021	< 0.1	13.8	13.8

Highest incremental PM _{2.5} impact – Receptor R7				Highest cumulative PM _{2.5} impact – Receptor R48			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
14/09/2021	0.3	2.3	2.6	04/05/2021	< 0.1	40.3	40.3
26/11/2021	0.3	1.9	2.2	29/04/2021	< 0.1	21.8	21.8
07/05/2021	0.2	4.5	4.7	23/04/2021	< 0.1	19.5	19.5
14/03/2021	0.2	4.0	4.2	20/08/2021	< 0.1	19.2	19.2
11/12/2021	0.2	2.1	2.3	10/10/2021	< 0.1	16.9	16.9
28/05/2021	0.2	4.9	5.1	15/08/2021	< 0.1	16.1	16.1
20/06/2021	0.2	1.2	1.4	03/05/2021	< 0.1	14.9	14.9
05/05/2021	0.2	7.8	8.0	23/08/2021	< 0.1	14.7	14.7
11/10/2021	0.2	3.5	3.7	14/08/2021	< 0.1	14.3	14.3
21/07/2021	0.2	2.5	2.7	19/01/2021	< 0.1	13.8	13.9

Highest incremental PM _{2.5} impact – Receptor R5				Highest cumulative PM _{2.5} impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
13/02/2021	0.2	6.2	6.4	04/05/2021	< 0.1	40.3	40.3
22/11/2021	0.2	4.4	4.6	29/04/2021	< 0.1	21.8	21.8
01/01/2021	0.2	1.7	1.9	23/04/2021	< 0.1	19.5	19.5
19/01/2021	0.2	13.8	14.0	20/08/2021	< 0.1	19.2	19.2
28/06/2021	0.2	4.5	4.7	10/10/2021	0.2	16.9	17.1
23/02/2021	0.2	5.3	5.5	15/08/2021	< 0.1	16.1	16.1
07/01/2021	0.2	2.7	2.9	03/05/2021	< 0.1	14.9	14.9
04/12/2021	0.2	7.5	7.7	23/08/2021	< 0.1	14.7	14.7
14/02/2021	0.2	7.5	7.7	14/08/2021	< 0.1	14.3	14.3
21/05/2021	0.2	5.9	6.1	19/01/2021	< 0.1	13.8	13.9

Highest incremental PM _{2.5} impact – Receptor R40				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
06/12/2021	0.2	3.0	3.2	04/05/2021	< 0.1	40.3	40.3
30/06/2021	0.2	5.9	6.1	29/04/2021	< 0.1	21.8	21.8
02/05/2021	0.2	5.2	5.4	23/04/2021	< 0.1	19.5	19.5
23/03/2021	0.2	< 0.1	0.2	20/08/2021	< 0.1	19.2	19.2
25/05/2021	0.2	6.4	6.6	10/10/2021	0.2	16.9	17.1
02/08/2021	0.2	4.6	4.8	15/08/2021	< 0.1	16.1	16.1
14/10/2021	0.2	3.4	3.6	03/05/2021	< 0.1	14.9	14.9
28/09/2021	0.2	3.9	4.1	23/08/2021	< 0.1	14.7	14.7
16/06/2021	0.2	5.6	5.8	14/08/2021	< 0.1	14.3	14.3
27/09/2021	0.1	4.6	4.7	19/01/2021	< 0.1	13.8	13.9

Highest incremental PM _{2.5} impact – Receptor R8				Highest cumulative PM _{2.5} impact – Receptor R43			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
14/09/2021	0.2	2.3	2.5	04/05/2021	< 0.1	40.3	40.3
07/05/2021	0.2	4.5	4.7	29/04/2021	< 0.1	21.8	21.8
26/11/2021	0.2	1.9	2.1	23/04/2021	< 0.1	19.5	19.6
28/05/2021	0.2	4.9	5.1	20/08/2021	< 0.1	19.2	19.2
14/03/2021	0.2	4.0	4.2	10/10/2021	< 0.1	16.9	16.9
05/05/2021	0.1	7.8	7.9	15/08/2021	< 0.1	16.1	16.1
20/06/2021	0.1	1.2	1.3	03/05/2021	< 0.1	14.9	14.9
21/07/2021	0.1	2.5	2.6	23/08/2021	< 0.1	14.7	14.7
11/12/2021	0.1	2.1	2.2	14/08/2021	< 0.1	14.3	14.3
10/07/2021	0.1	4.1	4.2	19/01/2021	< 0.1	13.8	13.8

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	0.1	0.1
R2	0.3	0.3
R3	0.4	0.4
R4	0.4	0.4
R5	0.2	0.2
R6	0.6	0.6
R7	0.3	0.3
R8	0.2	0.2
R9	0.1	0.1
R10	< 0.1	< 0.1
R11	0.1	0.1
R12	0.2	0.2
R13	0.2	0.2
R14	0.3	0.3
R15	0.1	0.1
R16	< 0.1	< 0.1
R17	< 0.1	< 0.1
R18	< 0.1	< 0.1
R19	< 0.1	< 0.1
R20	< 0.1	< 0.1
R21	< 0.1	< 0.1
R22	< 0.1	< 0.1
R23	< 0.1	< 0.1
R24	< 0.1	< 0.1
R25	< 0.1	< 0.1
R26	< 0.1	< 0.1
R27	< 0.1	< 0.1
R28	< 0.1	< 0.1
R29	< 0.1	< 0.1
R30	< 0.1	< 0.1
R31	< 0.1	< 0.1

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	< 0.1	< 0.1
R33	< 0.1	< 0.1
R34	< 0.1	< 0.1
R35	< 0.1	< 0.1
R36	< 0.1	< 0.1
R37	< 0.1	< 0.1
R38	0.2	0.2
R39	< 0.1	< 0.1
R40	0.2	0.2
R41	0.5	0.5
R42	0.2	0.2
R43	< 0.1	< 0.1
R44	< 0.1	< 0.1
R45	< 0.1	< 0.1
R46	< 0.1	< 0.1
R47	0.1	0.1
R48	< 0.1	< 0.1
R49	0.1	0.1
R50	< 0.1	< 0.1
R51	< 0.1	< 0.1
R52	< 0.1	< 0.1
R53	< 0.1	< 0.1
R54	< 0.1	< 0.1
R55	< 0.1	< 0.1
R56	< 0.1	< 0.1
R57	< 0.1	< 0.1
R58	< 0.1	< 0.1
R59	< 0.1	< 0.1
R60	< 0.1	< 0.1
R61	< 0.1	< 0.1
R62	< 0.1	< 0.1
R63	0.1	0.1
R64	< 0.1	< 0.1
R65	< 0.1	< 0.1
R66	< 0.1	< 0.1
R67	< 0.1	< 0.1

Rec.	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)
R68	< 0.1	< 0.1
R69	< 0.1	< 0.1
R70	< 0.1	< 0.1
R71	< 0.1	< 0.1
R72	< 0.1	< 0.1
R73	< 0.1	< 0.1
R74	0.1	0.1
R75	< 0.1	< 0.1
R76	< 0.1	< 0.1
R77	< 0.1	< 0.1
R78	< 0.1	< 0.1
R79	< 0.1	< 0.1
R80	< 0.1	< 0.1
R81	< 0.1	< 0.1
R82	< 0.1	< 0.1
R83	< 0.1	< 0.1
R84	< 0.1	< 0.1
R85	< 0.1	< 0.1
R86	< 0.1	< 0.1
R87	< 0.1	< 0.1
R88	< 0.1	< 0.1
R89	< 0.1	< 0.1
R90	< 0.1	< 0.1
R91	< 0.1	< 0.1
R92	< 0.1	< 0.1
R93	< 0.1	< 0.1
R94	< 0.1	< 0.1
R95	< 0.1	< 0.1
R96	< 0.1	< 0.1
R97	< 0.1	< 0.1
R98	< 0.1	< 0.1
R99	< 0.1	< 0.1
R100	< 0.1	< 0.1
R101	< 0.1	< 0.1
R102	< 0.1	< 0.1
R103	< 0.1	< 0.1

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R104	< 0.1	< 0.1
R105	< 0.1	< 0.1
R106	< 0.1	< 0.1
R107	< 0.1	< 0.1
R108	< 0.1	< 0.1
R109	< 0.1	< 0.1
R110	< 0.1	< 0.1
R111	< 0.1	< 0.1
R112	< 0.1	< 0.1
R113	< 0.1	< 0.1
R114	< 0.1	< 0.1
R115	< 0.1	< 0.1
R116	< 0.1	< 0.1
R117	< 0.1	< 0.1
R118	< 0.1	< 0.1
R119	< 0.1	< 0.1
R120	< 0.1	< 0.1
R121	< 0.1	< 0.1
R122	< 0.1	< 0.1
R123	< 0.1	< 0.1
R124	< 0.1	< 0.1
R125	< 0.1	< 0.1
R126	< 0.1	< 0.1
R127	< 0.1	< 0.1
R128	< 0.1	< 0.1

Particulate matter – annual averages

Annual average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	PM2.5 ($\mu\text{g}/\text{m}^3$)			PM10 ($\mu\text{g}/\text{m}^3$)			TSP ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			8			25			90
R1	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R2	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R3	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R4	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R5	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R6	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R7	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R8	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R9	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R10	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R11	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R12	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R13	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R14	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R15	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R16	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R17	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R18	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R19	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R20	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R21	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R22	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R23	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R24	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R25	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R26	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R27	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R28	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R29	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R30	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Rec.	PM2.5 (µg/m³)			PM10 (µg/m³)			TSP (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R32	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R33	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R34	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R35	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R36	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R37	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R38	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R39	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R40	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R41	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R42	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R43	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R44	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R45	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R46	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R47	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R48	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R49	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R50	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R51	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R52	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R53	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R54	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R55	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R56	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R57	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R58	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R59	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R60	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R61	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R62	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R63	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R64	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R65	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Rec.	PM2.5 (µg/m³)			PM10 (µg/m³)			TSP (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R67	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R68	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R69	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R70	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R71	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R72	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R73	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R74	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R75	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R76	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R77	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R78	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R79	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R80	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R81	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R82	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R83	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R84	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R85	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R86	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R87	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R88	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R89	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R90	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R91	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R92	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R93	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R94	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R95	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R96	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R97	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R98	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R99	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R100	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Rec.	PM2.5 (µg/m³)			PM10 (µg/m³)			TSP (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R102	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R103	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R104	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R105	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R106	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R107	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R108	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R109	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R110	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R111	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R112	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R113	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R114	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R115	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R116	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R117	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R118	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R119	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R120	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R121	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R122	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R123	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R124	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R125	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R126	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R127	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R128	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R2	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R3	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R4	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R5	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R6	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R7	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R8	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R9	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R10	< 0.1	0.2	0.2	< 0.1	0.1	0.2	< 0.1	< 0.1	< 0.1
R11	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R12	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R14	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R15	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R16	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R17	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R18	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R19	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R20	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R21	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R22	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R23	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R24	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R25	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R27	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R28	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R29	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R30	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	0.1	0.1
R32	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R33	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R34	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R35	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R36	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R37	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R38	< 0.1	0.2	0.2	< 0.1	0.1	0.2	< 0.1	< 0.1	< 0.1
R39	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R40	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R41	0.2	0.5	0.7	0.1	0.4	0.5	< 0.1	< 0.1	0.1
R42	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R43	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R44	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R45	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R46	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R47	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R48	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R49	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R50	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R51	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R52	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R53	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R54	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R55	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R56	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R57	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R58	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R59	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R60	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R61	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R62	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R63	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1
R64	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R65	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R67	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.3
R68	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R69	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R70	< 0.1	0.3	0.4	< 0.1	0.2	0.3	< 0.1	< 0.1	0.1
R71	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R72	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R73	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R74	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R75	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R76	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R77	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R78	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R79	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R80	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R81	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R82	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R83	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	0.1	0.1
R84	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	0.1	0.1
R85	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R86	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R87	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R88	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R89	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R90	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R91	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R92	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R93	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R94	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R95	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R96	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R97	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R98	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R99	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R102	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R104	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R105	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R106	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R107	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R108	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R109	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R110	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R111	< 0.1	0.3	0.3	< 0.1	0.2	0.3	< 0.1	0.2	0.3
R112	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R113	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R114	< 0.1	0.3	0.3	< 0.1	0.2	0.3	< 0.1	0.2	0.3
R115	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R116	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R117	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R118	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R119	< 0.1	0.3	0.3	< 0.1	0.2	0.3	< 0.1	0.2	0.3
R120	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R121	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R122	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R123	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R124	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R125	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R126	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R127	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R128	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	0.1	< 0.1	0.1	< 0.1	0.7	0.7
R2	0.2	< 0.1	0.2	< 0.1	0.6	0.6
R3	0.2	< 0.1	0.2	< 0.1	0.2	0.3
R4	0.2	< 0.1	0.2	< 0.1	0.2	0.3
R5	0.2	< 0.1	0.2	< 0.1	0.2	0.3
R6	0.2	2.9	3.1	< 0.1	< 0.1	< 0.1
R7	0.2	< 0.1	0.2	< 0.1	0.1	0.1
R8	0.1	< 0.1	0.1	< 0.1	0.1	0.1
R9	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R10	0.1	2.9	3.0	< 0.1	0.7	0.7
R11	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R12	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R13	0.1	< 0.1	0.1	< 0.1	0.4	0.4
R14	0.2	2.9	3.1	< 0.1	0.4	0.4
R15	0.1	< 0.1	0.1	< 0.1	1.2	1.2
R16	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R17	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R18	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R19	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R20	< 0.1	< 0.1	< 0.1	< 0.1	3.6	3.6
R21	< 0.1	< 0.1	< 0.1	< 0.1	3.6	3.6
R22	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R23	< 0.1	2.9	2.9	< 0.1	1.8	1.8
R24	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R25	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R26	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R27	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R28	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R29	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R30	< 0.1	< 0.1	< 0.1	< 0.1	3.6	3.6

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R32	< 0.1	< 0.1	< 0.1	< 0.1	2.5	2.5
R33	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R34	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R35	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R36	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R37	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R38	0.2	< 0.1	0.2	< 0.1	0.2	0.3
R39	< 0.1	< 0.1	< 0.1	< 0.1	2.5	2.5
R40	0.1	2.9	3.0	< 0.1	1.7	1.7
R41	0.3	2.9	3.2	< 0.1	1.0	1.0
R42	0.1	< 0.1	0.1	< 0.1	0.4	0.4
R43	0.1	< 0.1	0.1	< 0.1	0.4	0.4
R44	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R45	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R46	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R47	0.1	< 0.1	0.1	< 0.1	0.6	0.6
R48	0.1	< 0.1	0.1	< 0.1	1.4	1.4
R49	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R50	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R51	< 0.1	< 0.1	< 0.1	< 0.1	2.5	2.5
R52	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R53	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R54	< 0.1	< 0.1	< 0.1	< 0.1	2.5	2.5
R55	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R56	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R57	< 0.1	< 0.1	< 0.1	< 0.1	1.4	1.4
R58	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R59	< 0.1	2.9	2.9	< 0.1	0.7	0.7
R60	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R61	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R62	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R63	< 0.1	< 0.1	< 0.1	< 0.1	4.2	4.2
R64	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R65	< 0.1	2.9	2.9	< 0.1	1.5	1.6

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	< 0.1	2.9	2.9	< 0.1	1.1	1.1
R67	< 0.1	< 0.1	< 0.1	< 0.1	1.4	1.4
R68	< 0.1	< 0.1	< 0.1	< 0.1	1.9	1.9
R69	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R70	< 0.1	2.9	2.9	< 0.1	4.2	4.2
R71	< 0.1	2.9	2.9	< 0.1	1.2	1.2
R72	0.1	2.9	3.0	< 0.1	1.2	1.2
R73	< 0.1	< 0.1	< 0.1	< 0.1	1.2	1.2
R74	0.1	2.9	3.0	< 0.1	0.4	0.4
R75	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R76	< 0.1	2.9	2.9	< 0.1	0.8	0.8
R77	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R78	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R79	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R80	< 0.1	2.9	2.9	< 0.1	1.3	1.3
R81	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R82	< 0.1	< 0.1	< 0.1	< 0.1	1.0	1.0
R83	< 0.1	2.9	2.9	< 0.1	2.1	2.1
R84	< 0.1	2.9	2.9	< 0.1	2.1	2.1
R85	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R86	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R87	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R88	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R89	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R90	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R91	< 0.1	2.9	2.9	< 0.1	0.4	0.4
R92	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R93	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R94	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R95	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R96	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R97	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R98	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R99	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R100	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R102	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R103	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R104	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R105	< 0.1	< 0.1	< 0.1	< 0.1	1.9	1.9
R106	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R107	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R108	< 0.1	2.9	2.9	< 0.1	1.1	1.1
R109	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R110	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R111	< 0.1	1.4	1.5	< 0.1	1.4	1.4
R112	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R113	< 0.1	< 0.1	< 0.1	< 0.1	1.7	1.7
R114	< 0.1	1.4	1.4	< 0.1	1.4	1.4
R115	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R116	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R117	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R118	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R119	< 0.1	1.4	1.5	< 0.1	1.4	1.4
R120	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R121	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R122	< 0.1	< 0.1	< 0.1	< 0.1	1.5	1.6
R123	< 0.1	< 0.1	< 0.1	< 0.1	1.3	1.3
R124	< 0.1	2.9	2.9	< 0.1	0.8	0.8
R125	< 0.1	< 0.1	< 0.1	< 0.1	1.5	1.6
R126	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R127	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R128	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	2.42E-10	1.63E-05	5.90E-06	4.11E-06	1.66E-06
R2	4.35E-10	2.93E-05	1.06E-05	7.37E-06	2.98E-06
R3	4.31E-10	2.91E-05	1.05E-05	7.31E-06	2.95E-06
R4	4.67E-10	3.14E-05	1.13E-05	7.91E-06	3.19E-06
R5	3.45E-10	2.32E-05	8.38E-06	5.84E-06	2.36E-06
R6	5.71E-10	3.85E-05	1.39E-05	9.68E-06	3.91E-06
R7	3.45E-10	2.33E-05	8.40E-06	5.85E-06	2.36E-06
R8	2.85E-10	1.92E-05	6.92E-06	4.83E-06	1.95E-06
R9	1.65E-10	1.11E-05	4.02E-06	2.80E-06	1.13E-06
R10	2.11E-10	1.42E-05	5.14E-06	3.58E-06	1.45E-06
R11	2.17E-10	1.46E-05	5.28E-06	3.68E-06	1.49E-06
R12	1.88E-10	1.26E-05	4.56E-06	3.18E-06	1.28E-06
R13	1.75E-10	1.18E-05	4.24E-06	2.96E-06	1.19E-06
R14	2.91E-10	1.96E-05	7.07E-06	4.93E-06	1.99E-06
R15	2.21E-10	1.49E-05	5.37E-06	3.74E-06	1.51E-06
R16	3.80E-11	2.56E-06	9.24E-07	6.44E-07	2.60E-07
R17	4.29E-11	2.89E-06	1.04E-06	7.27E-07	2.94E-07
R18	3.69E-11	2.49E-06	8.97E-07	6.25E-07	2.52E-07
R19	6.48E-11	4.37E-06	1.58E-06	1.10E-06	4.44E-07
R20	7.56E-11	5.09E-06	1.84E-06	1.28E-06	5.17E-07
R21	6.98E-11	4.70E-06	1.70E-06	1.18E-06	4.77E-07
R22	4.25E-11	2.86E-06	1.03E-06	7.20E-07	2.91E-07
R23	3.96E-11	2.67E-06	9.62E-07	6.71E-07	2.71E-07
R24	3.60E-11	2.43E-06	8.76E-07	6.10E-07	2.46E-07
R25	4.02E-11	2.71E-06	9.78E-07	6.82E-07	2.75E-07
R26	3.15E-11	2.12E-06	7.67E-07	5.34E-07	2.16E-07
R27	1.16E-11	7.79E-07	2.81E-07	1.96E-07	7.91E-08
R28	6.68E-11	4.50E-06	1.62E-06	1.13E-06	4.57E-07
R29	6.34E-11	4.27E-06	1.54E-06	1.08E-06	4.34E-07
R30	4.86E-11	3.28E-06	1.18E-06	8.24E-07	3.33E-07
R31	1.14E-10	7.65E-06	2.76E-06	1.92E-06	7.77E-07
R32	5.15E-11	3.47E-06	1.25E-06	8.73E-07	3.52E-07

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	3.22E-11	2.17E-06	7.82E-07	5.45E-07	2.20E-07
R34	3.37E-11	2.27E-06	8.19E-07	5.71E-07	2.30E-07
R35	3.50E-11	2.36E-06	8.51E-07	5.93E-07	2.40E-07
R36	4.27E-11	2.88E-06	1.04E-06	7.24E-07	2.92E-07
R37	4.72E-11	3.18E-06	1.15E-06	7.99E-07	3.23E-07
R38	3.03E-10	2.04E-05	7.36E-06	5.13E-06	2.07E-06
R39	6.25E-11	4.21E-06	1.52E-06	1.06E-06	4.28E-07
R40	2.95E-10	1.99E-05	7.18E-06	5.00E-06	2.02E-06
R41	6.06E-10	4.08E-05	1.47E-05	1.03E-05	4.15E-06
R42	2.41E-10	1.62E-05	5.85E-06	4.08E-06	1.65E-06
R43	1.24E-10	8.36E-06	3.02E-06	2.10E-06	8.49E-07
R44	1.09E-10	7.37E-06	2.66E-06	1.86E-06	7.49E-07
R45	9.11E-11	6.14E-06	2.22E-06	1.54E-06	6.23E-07
R46	1.36E-10	9.15E-06	3.30E-06	2.30E-06	9.29E-07
R47	1.61E-10	1.09E-05	3.92E-06	2.73E-06	1.10E-06
R48	1.71E-10	1.15E-05	4.15E-06	2.89E-06	1.17E-06
R49	1.67E-10	1.12E-05	4.05E-06	2.82E-06	1.14E-06
R50	1.09E-10	7.34E-06	2.65E-06	1.85E-06	7.45E-07
R51	7.53E-11	5.07E-06	1.83E-06	1.28E-06	5.15E-07
R52	6.68E-11	4.50E-06	1.62E-06	1.13E-06	4.57E-07
R53	8.90E-11	5.99E-06	2.16E-06	1.51E-06	6.09E-07
R54	6.14E-11	4.14E-06	1.49E-06	1.04E-06	4.20E-07
R55	6.50E-11	4.38E-06	1.58E-06	1.10E-06	4.45E-07
R56	1.08E-10	7.29E-06	2.63E-06	1.83E-06	7.40E-07
R57	9.09E-11	6.13E-06	2.21E-06	1.54E-06	6.22E-07
R58	8.35E-11	5.62E-06	2.03E-06	1.41E-06	5.71E-07
R59	6.79E-11	4.57E-06	1.65E-06	1.15E-06	4.64E-07
R60	4.49E-11	3.03E-06	1.09E-06	7.62E-07	3.07E-07
R61	4.28E-11	2.89E-06	1.04E-06	7.26E-07	2.93E-07
R62	4.26E-11	2.87E-06	1.04E-06	7.22E-07	2.92E-07
R63	1.19E-10	7.98E-06	2.88E-06	2.01E-06	8.11E-07
R64	3.54E-11	2.39E-06	8.61E-07	6.00E-07	2.42E-07
R65	6.26E-11	4.21E-06	1.52E-06	1.06E-06	4.28E-07
R66	4.21E-11	2.84E-06	1.02E-06	7.14E-07	2.88E-07
R67	3.65E-11	2.46E-06	8.87E-07	6.19E-07	2.50E-07
R68	2.93E-11	1.97E-06	7.12E-07	4.96E-07	2.00E-07
R69	5.07E-11	3.41E-06	1.23E-06	8.59E-07	3.47E-07

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	8.43E-11	5.68E-06	2.05E-06	1.43E-06	5.77E-07
R71	1.15E-10	7.77E-06	2.80E-06	1.95E-06	7.89E-07
R72	1.29E-10	8.71E-06	3.14E-06	2.19E-06	8.84E-07
R73	1.51E-10	1.02E-05	3.67E-06	2.56E-06	1.03E-06
R74	1.06E-10	7.16E-06	2.59E-06	1.80E-06	7.28E-07
R75	3.11E-11	2.09E-06	7.56E-07	5.27E-07	2.13E-07
R76	4.93E-11	3.32E-06	1.20E-06	8.35E-07	3.37E-07
R77	4.49E-11	3.02E-06	1.09E-06	7.61E-07	3.07E-07
R78	4.30E-11	2.89E-06	1.04E-06	7.28E-07	2.94E-07
R79	3.83E-11	2.58E-06	9.30E-07	6.48E-07	2.62E-07
R80	3.37E-11	2.27E-06	8.20E-07	5.71E-07	2.31E-07
R81	4.23E-11	2.85E-06	1.03E-06	7.18E-07	2.90E-07
R82	4.37E-11	2.94E-06	1.06E-06	7.41E-07	2.99E-07
R83	8.87E-11	5.97E-06	2.16E-06	1.50E-06	6.07E-07
R84	5.37E-11	3.61E-06	1.30E-06	9.09E-07	3.67E-07
R85	3.58E-11	2.41E-06	8.71E-07	6.07E-07	2.45E-07
R86	4.25E-11	2.86E-06	1.03E-06	7.20E-07	2.90E-07
R87	2.94E-11	1.98E-06	7.14E-07	4.98E-07	2.01E-07
R88	3.48E-11	2.34E-06	8.45E-07	5.89E-07	2.38E-07
R89	3.25E-11	2.19E-06	7.91E-07	5.51E-07	2.23E-07
R90	2.89E-11	1.95E-06	7.04E-07	4.91E-07	1.98E-07
R91	2.61E-11	1.76E-06	6.36E-07	4.43E-07	1.79E-07
R92	2.87E-11	1.93E-06	6.97E-07	4.86E-07	1.96E-07
R93	3.11E-11	2.09E-06	7.56E-07	5.27E-07	2.13E-07
R94	3.03E-11	2.04E-06	7.36E-07	5.13E-07	2.07E-07
R95	2.75E-11	1.85E-06	6.69E-07	4.67E-07	1.88E-07
R96	6.26E-11	4.22E-06	1.52E-06	1.06E-06	4.28E-07
R97	3.26E-11	2.20E-06	7.94E-07	5.53E-07	2.23E-07
R98	5.72E-11	3.85E-06	1.39E-06	9.70E-07	3.91E-07
R99	3.66E-11	2.46E-06	8.89E-07	6.20E-07	2.50E-07
R100	5.11E-11	3.44E-06	1.24E-06	8.66E-07	3.50E-07
R101	4.10E-11	2.76E-06	9.98E-07	6.95E-07	2.81E-07
R102	4.12E-11	2.77E-06	1.00E-06	6.98E-07	2.82E-07
R103	4.58E-11	3.08E-06	1.11E-06	7.76E-07	3.13E-07
R104	3.33E-11	2.24E-06	8.10E-07	5.65E-07	2.28E-07
R105	2.43E-11	1.64E-06	5.92E-07	4.13E-07	1.67E-07
R106	1.52E-11	1.03E-06	3.70E-07	2.58E-07	1.04E-07

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	1.85E-11	1.25E-06	4.50E-07	3.13E-07	1.27E-07
R108	6.91E-11	4.66E-06	1.68E-06	1.17E-06	4.73E-07
R109	3.31E-11	2.23E-06	8.06E-07	5.62E-07	2.27E-07
R110	3.11E-11	2.09E-06	7.55E-07	5.26E-07	2.13E-07
R111	2.21E-11	1.49E-06	5.36E-07	3.74E-07	1.51E-07
R112	4.93E-11	3.32E-06	1.20E-06	8.35E-07	3.37E-07
R113	4.64E-11	3.13E-06	1.13E-06	7.87E-07	3.18E-07
R114	1.72E-11	1.16E-06	4.19E-07	2.92E-07	1.18E-07
R115	1.21E-11	8.12E-07	2.93E-07	2.04E-07	8.25E-08
R116	1.08E-11	7.28E-07	2.63E-07	1.83E-07	7.39E-08
R117	7.43E-12	5.00E-07	1.81E-07	1.26E-07	5.08E-08
R118	2.96E-11	1.99E-06	7.19E-07	5.01E-07	2.02E-07
R119	3.00E-11	2.02E-06	7.28E-07	5.08E-07	2.05E-07
R120	4.00E-11	2.70E-06	9.73E-07	6.78E-07	2.74E-07
R121	3.25E-11	2.19E-06	7.90E-07	5.51E-07	2.22E-07
R122	7.25E-11	4.88E-06	1.76E-06	1.23E-06	4.96E-07
R123	6.10E-11	4.11E-06	1.48E-06	1.03E-06	4.18E-07
R124	5.70E-11	3.84E-06	1.39E-06	9.66E-07	3.90E-07
R125	5.03E-11	3.39E-06	1.22E-06	8.52E-07	3.44E-07
R126	2.41E-11	1.62E-06	5.86E-07	4.08E-07	1.65E-07
R127	1.22E-10	8.20E-06	2.96E-06	2.06E-06	8.33E-07
R128	1.26E-10	8.50E-06	3.07E-06	2.14E-06	8.64E-07
Max. at boundary	1.26E-09	8.47E-05	–	–	8.60E-06

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	2.34E-11	1.58E-06	5.70E-07	3.97E-07	1.60E-07
R108	1.70E-11	1.14E-06	4.13E-07	2.88E-07	1.16E-07
R109	2.48E-11	1.67E-06	6.03E-07	4.20E-07	1.70E-07
R110	2.53E-11	1.70E-06	6.15E-07	4.28E-07	1.73E-07
R111	3.62E-11	2.44E-06	8.80E-07	6.13E-07	2.48E-07
R112	1.94E-11	1.31E-06	4.71E-07	3.28E-07	1.33E-07
R113	2.89E-11	1.95E-06	7.04E-07	4.91E-07	1.98E-07
R114	2.41E-11	1.62E-06	5.86E-07	4.08E-07	1.65E-07
R115	1.33E-11	8.94E-07	3.23E-07	2.25E-07	9.08E-08
R116	6.34E-12	4.27E-07	1.54E-07	1.07E-07	4.34E-08
R117	8.41E-12	5.66E-07	2.04E-07	1.42E-07	5.75E-08
R118	1.87E-11	1.26E-06	4.54E-07	3.17E-07	1.28E-07
R119	3.81E-11	2.57E-06	9.27E-07	6.46E-07	2.61E-07
R120	2.21E-11	1.49E-06	5.37E-07	3.74E-07	1.51E-07
R121	4.29E-11	2.89E-06	1.04E-06	7.28E-07	2.94E-07
R122	4.92E-11	3.32E-06	1.20E-06	8.35E-07	3.37E-07
R123	4.84E-11	3.26E-06	1.18E-06	8.20E-07	3.31E-07
R124	2.31E-11	1.55E-06	5.61E-07	3.91E-07	1.58E-07
R125	4.40E-11	2.96E-06	1.07E-06	7.45E-07	3.01E-07
R126	1.17E-11	7.90E-07	2.85E-07	1.99E-07	8.02E-08
R127	9.06E-11	6.10E-06	2.20E-06	1.53E-06	6.20E-07
R128	8.38E-11	5.64E-06	2.04E-06	1.42E-06	5.73E-07
Max. at boundary	8.32E-10	5.61E-05	–	–	5.70E-06

Nitrogen dioxide (NO₂)

Maximum 1-hour and annual average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)			Annual ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			164			31
R1	63.7	8.2	71.9	< 0.1	8.3	8.3
R2	43.9	< 0.1	43.9	< 0.1	8.3	8.3
R3	40.8	< 0.1	40.8	< 0.1	8.3	8.3
R4	40.7	14.3	55.0	< 0.1	8.3	8.3
R5	33.1	4.1	37.2	< 0.1	8.3	8.3
R6	41.0	8.2	49.2	< 0.1	8.3	8.3
R7	24.0	10.2	34.3	< 0.1	8.3	8.3
R8	19.3	4.1	23.4	< 0.1	8.3	8.3
R9	34.3	8.2	42.5	< 0.1	8.3	8.3
R10	34.7	26.6	61.4	< 0.1	8.3	8.3
R11	39.4	8.2	47.6	< 0.1	8.3	8.3
R12	40.8	2.0	42.9	< 0.1	8.3	8.3
R13	40.0	14.3	54.3	< 0.1	8.3	8.3
R14	56.2	16.4	72.6	0.1	8.3	8.4
R15	39.9	10.2	50.1	< 0.1	8.3	8.3
R16	23.3	4.1	27.4	< 0.1	8.3	8.3
R17	21.4	2.0	23.5	< 0.1	8.3	8.3
R18	20.7	2.0	22.7	< 0.1	8.3	8.3
R19	28.7	2.0	30.8	< 0.1	8.3	8.3
R20	23.5	< 0.1	23.5	< 0.1	8.3	8.3
R21	23.7	< 0.1	23.7	< 0.1	8.3	8.3
R22	22.0	< 0.1	22.0	< 0.1	8.3	8.3
R23	19.1	2.0	21.2	< 0.1	8.3	8.3
R24	15.2	2.0	17.3	< 0.1	8.3	8.3
R25	22.2	2.0	24.3	< 0.1	8.3	8.3
R26	12.7	22.6	35.2	< 0.1	8.3	8.3
R27	17.2	4.1	21.3	< 0.1	8.3	8.3
R28	25.0	< 0.1	25.0	< 0.1	8.3	8.3
R29	27.1	< 0.1	27.1	< 0.1	8.3	8.3
R30	24.8	< 0.1	24.8	< 0.1	8.3	8.3

Rec.	1-hour (max incr.) (µg/m³)			Annual (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	21.9	8.2	30.1	< 0.1	8.3	8.3
R32	15.7	20.5	36.2	< 0.1	8.3	8.3
R33	20.4	2.0	22.4	< 0.1	8.3	8.3
R34	21.4	2.0	23.4	< 0.1	8.3	8.3
R35	18.3	10.2	28.6	< 0.1	8.3	8.3
R36	21.7	2.0	23.7	< 0.1	8.3	8.3
R37	20.9	2.0	23.0	< 0.1	8.3	8.3
R38	32.2	2.0	34.2	< 0.1	8.3	8.3
R39	12.5	2.0	14.6	< 0.1	8.3	8.3
R40	38.3	4.1	42.4	< 0.1	8.3	8.3
R41	26.1	2.0	28.1	< 0.1	8.3	8.3
R42	20.9	6.1	27.1	< 0.1	8.3	8.3
R43	22.8	< 0.1	22.8	< 0.1	8.3	8.3
R44	32.3	22.6	54.9	< 0.1	8.3	8.3
R45	29.0	22.6	51.6	< 0.1	8.3	8.3
R46	40.1	8.2	48.3	< 0.1	8.3	8.3
R47	31.9	8.2	40.1	< 0.1	8.3	8.3
R48	27.4	10.2	37.6	< 0.1	8.3	8.3
R49	18.2	< 0.1	18.2	< 0.1	8.3	8.3
R50	29.8	< 0.1	29.8	< 0.1	8.3	8.3
R51	23.0	2.0	25.1	< 0.1	8.3	8.3
R52	11.9	2.0	13.9	< 0.1	8.3	8.3
R53	30.7	2.0	32.8	< 0.1	8.3	8.3
R54	19.4	8.2	27.6	< 0.1	8.3	8.3
R55	24.1	2.0	26.1	< 0.1	8.3	8.3
R56	32.5	< 0.1	32.5	< 0.1	8.3	8.3
R57	18.5	10.2	28.8	< 0.1	8.3	8.3
R58	32.2	8.2	40.4	< 0.1	8.3	8.3
R59	26.6	8.2	34.8	< 0.1	8.3	8.3
R60	14.7	6.1	20.8	< 0.1	8.3	8.3
R61	15.1	14.3	29.4	< 0.1	8.3	8.3
R62	15.2	8.2	23.4	< 0.1	8.3	8.3
R63	13.0	4.1	17.1	< 0.1	8.3	8.3
R64	31.9	12.3	44.2	< 0.1	8.3	8.3
R65	23.1	< 0.1	23.1	< 0.1	8.3	8.3

Rec.	1-hour (max incr.) (µg/m³)			Annual (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	26.0	2.0	28.1	< 0.1	8.3	8.3
R67	19.6	4.1	23.7	< 0.1	8.3	8.3
R68	21.7	4.1	25.8	< 0.1	8.3	8.3
R69	9.0	10.2	19.2	< 0.1	8.3	8.3
R70	13.0	4.1	17.1	< 0.1	8.3	8.3
R71	20.1	4.1	24.2	< 0.1	8.3	8.3
R72	19.7	4.1	23.8	< 0.1	8.3	8.3
R73	29.4	4.1	33.5	< 0.1	8.3	8.3
R74	24.3	< 0.1	24.3	< 0.1	8.3	8.3
R75	12.3	2.0	14.4	< 0.1	8.3	8.3
R76	9.0	2.0	11.0	< 0.1	8.3	8.3
R77	14.7	22.6	37.2	< 0.1	8.3	8.3
R78	17.6	30.8	48.3	< 0.1	8.3	8.3
R79	13.2	14.3	27.6	< 0.1	8.3	8.3
R80	18.5	10.2	28.8	< 0.1	8.3	8.3
R81	18.2	6.1	24.3	< 0.1	8.3	8.3
R82	29.1	22.6	51.6	< 0.1	8.3	8.3
R83	31.8	22.6	54.3	< 0.1	8.3	8.3
R84	24.4	8.2	32.6	< 0.1	8.3	8.3
R85	15.8	30.8	46.6	< 0.1	8.3	8.3
R86	12.9	12.3	25.2	< 0.1	8.3	8.3
R87	11.3	10.2	21.6	< 0.1	8.3	8.3
R88	23.5	12.3	35.8	< 0.1	8.3	8.3
R89	21.1	8.2	29.3	< 0.1	8.3	8.3
R90	27.2	12.3	39.5	< 0.1	8.3	8.3
R91	10.4	10.2	20.6	< 0.1	8.3	8.3
R92	25.8	12.3	38.1	< 0.1	8.3	8.3
R93	10.7	30.8	41.4	< 0.1	8.3	8.3
R94	15.7	30.8	46.5	< 0.1	8.3	8.3
R95	15.4	30.8	46.1	< 0.1	8.3	8.3
R96	8.3	8.2	16.5	< 0.1	8.3	8.3
R97	12.4	4.1	16.5	< 0.1	8.3	8.3
R98	19.5	< 0.1	19.5	< 0.1	8.3	8.3
R99	22.4	4.1	26.5	< 0.1	8.3	8.3
R100	17.0	20.5	37.5	< 0.1	8.3	8.3

Rec.	1-hour (max incr.) (µg/m³)			Annual (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	8.8	< 0.1	8.8	< 0.1	8.3	8.3
R102	18.5	2.0	20.5	< 0.1	8.3	8.3
R103	25.7	2.0	27.7	< 0.1	8.3	8.3
R104	13.0	20.5	33.5	< 0.1	8.3	8.3
R105	5.7	10.2	16.0	< 0.1	8.3	8.3
R106	20.2	4.1	24.3	< 0.1	8.3	8.3
R107	7.7	2.0	9.8	< 0.1	8.3	8.3
R108	25.3	2.0	27.3	< 0.1	8.3	8.3
R109	12.0	2.0	14.0	< 0.1	8.3	8.3
R110	24.3	< 0.1	24.3	< 0.1	8.3	8.3
R111	15.0	4.1	19.1	< 0.1	8.3	8.3
R112	24.7	2.0	26.7	< 0.1	8.3	8.3
R113	22.5	< 0.1	22.5	< 0.1	8.3	8.3
R114	9.8	6.1	16.0	< 0.1	8.3	8.3
R115	6.8	< 0.1	6.8	< 0.1	8.3	8.3
R116	6.4	4.1	10.5	< 0.1	8.3	8.3
R117	9.6	2.0	11.6	< 0.1	8.3	8.3
R118	19.3	4.1	23.4	< 0.1	8.3	8.3
R119	18.4	4.1	22.5	< 0.1	8.3	8.3
R120	22.0	2.0	24.1	< 0.1	8.3	8.3
R121	14.2	< 0.1	14.2	< 0.1	8.3	8.3
R122	16.9	< 0.1	16.9	< 0.1	8.3	8.3
R123	18.1	< 0.1	18.1	< 0.1	8.3	8.3
R124	7.9	< 0.1	7.9	< 0.1	8.3	8.3
R125	17.9	< 0.1	17.9	< 0.1	8.3	8.3
R126	5.6	2.0	7.6	< 0.1	8.3	8.3
R127	23.7	< 0.1	23.7	< 0.1	8.3	8.3
R128	10.9	8.2	19.1	< 0.1	8.3	8.3

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	517.0	01/10/2021 17:00	51.7	2.91	32.70	0.8	0.1	0.03	63.7	8.2	71.9
R2	367.7	19/06/2021 16:00	36.8	5.99	29.43	0.83	0.07	0.02	43.9	< 0.1	43.9
R3	333.1	19/06/2021 16:00	33.3	5.99	29.43	0.83	0.07	0.02	40.8	< 0.1	40.8
R4	374.1	08/07/2021 09:00	37.4	0.22	1.09	0.49	0.05	0.01	40.7	14.3	55.0
R5	288.7	08/07/2021 08:00	28.9	0.11	< 0.1	0.49	0.05	0.02	33.1	4.1	37.2
R6	353.2	02/06/2021 08:00	35.3	< 0.1	< 0.1	0.49	0.05	0.02	41.0	8.2	49.2
R7	154.7	20/05/2021 08:00	15.5	0.49	1.09	0.635	0.1	0.06	24.0	10.2	34.3
R8	122.2	07/08/2021 17:00	12.2	3.41	28.34	0.83	0.07	0.06	19.3	4.1	23.4
R9	238.0	01/10/2021 17:00	23.8	2.91	32.70	0.8	0.1	0.05	34.3	8.2	42.5
R10	280.0	18/03/2021 17:00	28.0	1.84	5.45	0.635	0.1	0.03	34.7	26.6	61.4
R11	327.6	20/03/2021 15:00	32.8	1.72	18.53	0.635	0.1	0.02	39.4	8.2	47.6
R12	353.7	21/03/2021 12:00	35.4	1.61	17.44	0.635	0.1	0.02	40.8	2.0	42.9
R13	329.9	05/11/2021 13:00	33.0	1.51	26.16	0.74	0.1	0.02	40.0	14.3	54.3
R14	530.2	19/08/2021 08:00	53.0	0.54	4.36	0.49	0.05	0.01	56.2	16.4	72.6
R15	352.2	16/06/2021 08:00	35.2	0.19	< 0.1	0.49	0.05	0.01	39.9	10.2	50.1
R16	76.1	03/08/2021 17:00	7.6	3.61	32.70	0.87	0.07	0.23	23.3	4.1	27.4
R17	48.6	04/10/2021 17:00	4.9	4.30	35.97	0.8	0.1	0.38	21.4	2.0	23.5
R18	47.2	04/10/2021 17:00	4.7	4.30	35.97	0.8	0.1	0.38	20.7	2.0	22.7
R19	99.9	21/09/2021 17:00	10.0	2.19	32.70	0.8	0.1	0.21	28.7	2.0	30.8
R20	80.0	29/05/2021 17:00	8.0	3.18	29.43	0.74	0.1	0.22	23.5	< 0.1	23.5
R21	77.8	29/05/2021 17:00	7.8	3.18	29.43	0.74	0.1	0.23	23.7	< 0.1	23.7
R22	65.3	05/05/2021 17:00	6.5	2.87	25.07	0.74	0.1	0.26	22.0	< 0.1	22.0
R23	55.1	21/09/2021 17:00	5.5	2.19	32.70	0.8	0.1	0.27	19.1	2.0	21.2
R24	42.9	21/09/2021 17:00	4.3	2.19	32.70	0.8	0.1	0.28	15.2	2.0	17.3
R25	62.4	21/09/2021 17:00	6.2	2.19	32.70	0.8	0.1	0.28	22.2	2.0	24.3
R26	45.0	28/06/2021 17:00	4.5	1.61	13.08	0.74	0.07	0.20	12.7	22.6	35.2
R27	56.0	28/07/2021 17:00	5.6	4.19	30.52	0.87	0.07	0.23	17.2	4.1	21.3
R28	80.9	05/05/2021 17:00	8.1	2.87	25.07	0.74	0.1	0.23	25.0	< 0.1	25.0
R29	95.2	14/03/2021 17:00	9.5	1.83	15.26	0.635	0.1	0.20	27.1	< 0.1	27.1
R30	86.6	14/03/2021 17:00	8.7	1.83	15.26	0.635	0.1	0.21	24.8	< 0.1	24.8
R31	97.9	06/09/2021 17:00	9.8	1.76	30.52	0.8	0.1	0.14	21.9	8.2	30.1
R32	60.0	11/05/2021 16:00	6.0	1.18	13.08	0.635	0.1	0.18	15.7	20.5	36.2

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	55.3	21/09/2021 17:00	5.5	2.19	32.70	0.8	0.1	0.30	20.4	2.0	22.4
R34	58.3	21/09/2021 17:00	5.8	2.19	32.70	0.8	0.1	0.30	21.4	2.0	23.4
R35	54.4	13/09/2021 17:00	5.4	3.22	27.25	0.74	0.1	0.26	18.3	10.2	28.6
R36	51.0	04/10/2021 17:00	5.1	4.30	35.97	0.8	0.1	0.36	21.7	2.0	23.7
R37	48.5	04/10/2021 17:00	4.8	4.30	35.97	0.8	0.1	0.37	20.9	2.0	23.0
R38	153.6	24/09/2021 17:00	15.4	3.07	43.60	0.85	0.1	0.12	32.2	2.0	34.2
R39	56.0	09/10/2021 17:00	5.6	0.40	37.06	0.8	0.1	0.14	12.5	2.0	14.6
R40	331.5	30/07/2021 08:00	33.1	< 0.1	2.18	0.49	0.05	0.02	38.3	4.1	42.4
R41	157.2	20/09/2021 17:00	15.7	3.12	33.79	0.8	0.1	0.07	26.1	2.0	28.1
R42	120.4	06/08/2021 16:00	12.0	0.75	34.88	0.87	0.07	0.08	20.9	6.1	27.1
R43	108.5	11/04/2021 17:00	10.8	3.61	26.16	0.74	0.1	0.12	22.8	< 0.1	22.8
R44	207.9	01/09/2021 17:00	20.8	1.60	33.79	0.8	0.1	0.06	32.3	22.6	54.9
R45	172.0	01/09/2021 17:00	17.2	1.60	33.79	0.8	0.1	0.08	29.0	22.6	51.6
R46	231.5	06/09/2021 17:00	23.1	1.76	30.52	0.8	0.1	0.08	40.1	8.2	48.3
R47	197.3	01/10/2021 17:00	19.7	2.91	32.70	0.8	0.1	0.07	31.9	8.2	40.1
R48	170.5	13/09/2021 17:00	17.1	3.22	27.25	0.74	0.1	0.07	27.4	10.2	37.6
R49	100.6	29/07/2021 16:00	10.1	2.36	33.79	0.87	0.07	0.09	18.2	< 0.1	18.2
R50	163.5	14/03/2021 17:00	16.3	1.83	15.26	0.635	0.1	0.09	29.8	< 0.1	29.8
R51	104.6	21/09/2021 17:00	10.5	2.19	32.70	0.8	0.1	0.13	23.0	2.0	25.1
R52	49.1	18/05/2021 08:00	4.9	0.68	1.09	0.635	0.1	0.16	11.9	2.0	13.9
R53	123.7	21/09/2021 17:00	12.4	2.19	32.70	0.8	0.1	0.16	30.7	2.0	32.8
R54	73.3	01/10/2021 17:00	7.3	2.91	32.70	0.8	0.1	0.18	19.4	8.2	27.6
R55	90.3	21/09/2021 17:00	9.0	2.19	32.70	0.8	0.1	0.19	24.1	2.0	26.1
R56	131.9	14/03/2021 17:00	13.2	1.83	15.26	0.635	0.1	0.16	32.5	< 0.1	32.5
R57	80.4	15/09/2021 17:00	8.0	3.05	29.43	0.74	0.1	0.14	18.5	10.2	28.8
R58	131.2	06/09/2021 17:00	13.1	1.76	30.52	0.8	0.1	0.16	32.2	8.2	40.4
R59	115.4	31/03/2021 17:00	11.5	2.51	33.79	0.8	0.1	0.15	26.6	8.2	34.8
R60	61.5	17/10/2021 17:00	6.1	2.47	43.60	0.85	0.1	0.15	14.7	6.1	20.8
R61	65.0	23/10/2021 17:00	6.5	2.41	65.40	0.85	0.1	0.15	15.1	14.3	29.4
R62	68.4	08/10/2021 17:00	6.8	2.19	38.15	0.8	0.1	0.14	15.2	8.2	23.4
R63	69.2	11/08/2021 17:00	6.9	2.93	32.70	0.87	0.07	0.10	13.0	4.1	17.1
R64	121.3	27/09/2021 17:00	12.1	1.52	33.79	0.8	0.1	0.18	31.9	12.3	44.2
R65	84.5	17/06/2021 16:00	8.4	3.18	28.34	0.83	0.07	0.19	23.1	< 0.1	23.1
R66	78.9	12/09/2021 17:00	7.9	3.62	45.78	0.85	0.1	0.26	26.0	2.0	28.1
R67	78.0	20/07/2021 16:00	7.8	4.27	27.25	0.83	0.07	0.17	19.6	4.1	23.7
R68	93.5	28/07/2021 17:00	9.3	4.19	30.52	0.87	0.07	0.15	21.7	4.1	25.8

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	39.5	11/09/2021 08:00	4.0	0.91	9.81	0.635	0.1	0.14	9.0	10.2	19.2
R70	65.9	27/07/2021 16:00	6.6	2.42	26.16	0.83	0.07	0.11	13.0	4.1	17.1
R71	128.2	31/07/2021 16:00	12.8	1.52	28.34	0.83	0.07	0.06	20.1	4.1	24.2
R72	119.1	31/07/2021 16:00	11.9	1.52	28.34	0.83	0.07	0.07	19.7	4.1	23.8
R73	184.0	25/05/2021 16:00	18.4	1.11	26.16	0.74	0.1	0.07	29.4	4.1	33.5
R74	114.7	25/07/2021 16:00	11.5	4.16	32.70	0.87	0.07	0.12	24.3	< 0.1	24.3
R75	39.8	20/09/2021 17:00	4.0	3.12	33.79	0.8	0.1	0.23	12.3	2.0	14.4
R76	28.4	20/09/2021 17:00	2.8	3.12	33.79	0.8	0.1	0.24	9.0	2.0	11.0
R77	82.8	30/06/2021 09:00	8.3	0.19	13.08	0.74	0.07	0.09	14.7	22.6	37.2
R78	90.9	30/04/2021 17:00	9.1	1.51	17.44	0.635	0.1	0.10	17.6	30.8	48.3
R79	53.8	23/10/2021 17:00	5.4	2.41	65.40	0.85	0.1	0.16	13.2	14.3	27.6
R80	63.0	02/09/2021 17:00	6.3	1.59	34.88	0.8	0.1	0.22	18.5	10.2	28.8
R81	70.8	17/10/2021 17:00	7.1	2.47	43.60	0.85	0.1	0.17	18.2	6.1	24.3
R82	117.8	01/09/2021 17:00	11.8	1.60	33.79	0.8	0.1	0.16	29.1	22.6	51.6
R83	122.4	01/09/2021 17:00	12.2	1.60	33.79	0.8	0.1	0.18	31.8	22.6	54.3
R84	96.9	31/03/2021 17:00	9.7	2.51	33.79	0.8	0.1	0.17	24.4	8.2	32.6
R85	74.5	30/04/2021 17:00	7.5	1.51	17.44	0.635	0.1	0.12	15.8	30.8	46.6
R86	63.0	22/03/2021 16:00	6.3	1.07	14.17	0.635	0.1	0.12	12.9	12.3	25.2
R87	47.2	01/05/2021 17:00	4.7	1.04	26.16	0.74	0.1	0.16	11.3	10.2	21.6
R88	92.9	27/09/2021 17:00	9.3	1.52	33.79	0.8	0.1	0.17	23.5	12.3	35.8
R89	79.6	08/10/2021 17:00	8.0	2.19	38.15	0.8	0.1	0.18	21.1	8.2	29.3
R90	91.3	27/09/2021 17:00	9.1	1.52	33.79	0.8	0.1	0.22	27.2	12.3	39.5
R91	40.5	01/05/2021 17:00	4.0	1.04	26.16	0.74	0.1	0.17	10.4	10.2	20.6
R92	91.7	27/09/2021 17:00	9.2	1.52	33.79	0.8	0.1	0.20	25.8	12.3	38.1
R93	47.2	30/04/2021 17:00	4.7	1.51	17.44	0.635	0.1	0.14	10.7	30.8	41.4
R94	67.4	30/04/2021 17:00	6.7	1.51	17.44	0.635	0.1	0.15	15.7	30.8	46.5
R95	62.2	30/04/2021 17:00	6.2	1.51	17.44	0.635	0.1	0.16	15.4	30.8	46.1
R96	31.7	26/04/2021 08:00	3.2	0.37	1.09	0.635	0.1	0.18	8.3	8.2	16.5
R97	46.5	07/08/2021 17:00	4.6	3.41	28.34	0.83	0.07	0.18	12.4	4.1	16.5
R98	69.3	19/06/2021 17:00	6.9	4.02	30.52	0.87	0.07	0.20	19.5	< 0.1	19.5
R99	74.9	14/09/2021 17:00	7.5	2.78	30.52	0.8	0.1	0.22	22.4	4.1	26.5
R100	68.5	11/05/2021 16:00	6.8	1.18	13.08	0.635	0.1	0.17	17.0	20.5	37.5
R101	29.8	19/06/2021 17:00	3.0	4.02	30.52	0.87	0.07	0.22	8.8	< 0.1	8.8
R102	59.4	21/09/2021 17:00	5.9	2.19	32.70	0.8	0.1	0.23	18.5	2.0	20.5
R103	77.3	21/09/2021 17:00	7.7	2.19	32.70	0.8	0.1	0.26	25.7	2.0	27.7
R104	43.2	11/05/2021 16:00	4.3	1.18	13.08	0.635	0.1	0.22	13.0	20.5	33.5

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	20.7	11/09/2021 08:00	2.1	0.91	9.81	0.635	0.1	0.19	5.7	10.2	16.0
R106	73.2	28/07/2021 17:00	7.3	4.19	30.52	0.87	0.07	0.20	20.2	4.1	24.3
R107	24.9	09/10/2021 17:00	2.5	0.40	37.06	0.8	0.1	0.23	7.7	2.0	9.8
R108	70.5	24/09/2021 17:00	7.1	3.07	43.60	0.85	0.1	0.29	25.3	2.0	27.3
R109	40.9	19/07/2021 17:00	4.1	0.63	22.89	0.83	0.07	0.21	12.0	2.0	14.0
R110	71.8	25/07/2021 17:00	7.2	3.06	32.70	0.87	0.07	0.27	24.3	< 0.1	24.3
R111	53.3	20/07/2021 16:00	5.3	4.27	27.25	0.83	0.07	0.20	15.0	4.1	19.1
R112	67.1	04/10/2021 17:00	6.7	4.30	35.97	0.8	0.1	0.30	24.7	2.0	26.7
R113	59.1	19/09/2021 17:00	5.9	3.36	33.79	0.8	0.1	0.31	22.5	< 0.1	22.5
R114	29.6	20/08/2021 17:00	3.0	1.44	33.79	0.87	0.07	0.26	9.8	6.1	16.0
R115	23.1	15/07/2021 17:00	2.3	1.09	27.25	0.83	0.07	0.22	6.8	< 0.1	6.8
R116	20.2	28/07/2021 17:00	2.0	4.19	30.52	0.87	0.07	0.24	6.4	4.1	10.5
R117	22.6	11/09/2021 17:00	2.3	2.26	43.60	0.85	0.1	0.36	9.6	2.0	11.6
R118	53.6	03/08/2021 17:00	5.4	3.61	32.70	0.87	0.07	0.29	19.3	4.1	23.4
R119	74.6	20/07/2021 16:00	7.5	4.27	27.25	0.83	0.07	0.16	18.4	4.1	22.5
R120	52.9	04/10/2021 17:00	5.3	4.30	35.97	0.8	0.1	0.35	22.0	2.0	24.1
R121	43.9	22/04/2021 17:00	4.4	2.28	28.34	0.74	0.1	0.25	14.2	< 0.1	14.2
R122	50.6	15/05/2021 17:00	5.1	2.62	27.25	0.74	0.1	0.26	16.9	< 0.1	16.9
R123	55.4	04/08/2021 17:00	5.5	2.86	31.61	0.87	0.07	0.25	18.1	< 0.1	18.1
R124	20.1	05/10/2021 17:00	2.0	4.64	32.70	0.8	0.1	0.33	7.9	< 0.1	7.9
R125	49.3	05/09/2021 17:00	4.9	3.41	28.34	0.74	0.1	0.29	17.9	< 0.1	17.9
R126	15.0	01/08/2021 17:00	1.5	1.80	33.79	0.87	0.07	0.30	5.6	2.0	7.6
R127	103.3	29/05/2021 17:00	10.3	3.18	29.43	0.74	0.1	0.14	23.7	< 0.1	23.7
R128	51.6	26/04/2021 08:00	5.2	0.37	1.09	0.635	0.1	0.12	10.9	8.2	19.1

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R14				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
03/09/2021	3.1	19.8	22.9	04/05/2021	0.6	54.9	55.5
18/12/2021	3.0	18.4	21.4	20/04/2021	< 0.1	46.2	46.2
17/09/2021	2.6	14.8	17.4	29/04/2021	0.6	36.0	36.6
06/02/2021	2.5	13.6	16.1	28/10/2021	< 0.1	36.6	36.6
03/07/2021	2.4	10.6	13.0	18/01/2021	0.3	35.8	36.1
25/05/2021	2.2	9.6	11.8	02/09/2021	< 0.1	36.0	36.0
24/01/2021	2.2	25.4	27.6	27/04/2021	0.4	35.4	35.8
14/10/2021	2.1	11.6	13.7	10/09/2021	0.2	35.5	35.7
11/02/2021	2.1	24.0	26.1	21/08/2021	< 0.1	34.6	34.6
22/08/2021	2.0	32.0	34.0	02/03/2021	0.6	33.8	34.4

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	2.6	12.3	14.9	04/05/2021	0.6	54.9	55.5
19/02/2021	2.5	13.4	15.9	20/04/2021	< 0.1	46.2	46.2
29/01/2021	2.4	8.2	10.6	28/10/2021	< 0.1	36.6	36.6
22/03/2021	2.2	5.9	8.1	29/04/2021	0.6	36.0	36.6
10/03/2021	2.1	21.1	23.2	18/01/2021	0.3	35.8	36.1
02/11/2021	2.0	19.1	21.1	02/09/2021	< 0.1	36.0	36.0
23/11/2021	1.7	13.2	14.9	27/04/2021	0.4	35.4	35.8
09/11/2021	1.6	13.4	15.0	10/09/2021	0.2	35.5	35.7
24/12/2021	1.5	13.5	15.0	21/08/2021	< 0.1	34.6	34.6
17/11/2021	1.4	21.5	22.9	02/03/2021	0.4	33.8	34.2

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/06/2021	2.6	7.6	10.2	04/05/2021	0.5	54.9	55.4
29/05/2021	2.0	9.3	11.3	20/04/2021	< 0.1	46.2	46.2
21/07/2021	1.6	8.0	9.6	28/10/2021	< 0.1	36.6	36.6
10/07/2021	1.6	7.9	9.5	29/04/2021	0.6	36.0	36.6
12/04/2021	1.5	16.9	18.4	18/01/2021	0.2	35.8	36.0
21/09/2021	1.4	13.5	14.9	02/09/2021	< 0.1	36.0	36.0
30/05/2021	1.3	8.1	9.4	27/04/2021	0.3	35.4	35.7
12/08/2021	1.3	10.6	11.9	10/09/2021	0.2	35.5	35.7
28/05/2021	1.3	14.3	15.6	21/08/2021	< 0.1	34.6	34.6
21/04/2021	1.2	14.9	16.1	02/03/2021	0.5	33.8	34.3

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/11/2021	2.5	6.6	9.1	04/05/2021	0.5	54.9	55.4
13/02/2021	2.3	11.1	13.4	20/04/2021	< 0.1	46.2	46.2
27/01/2021	2.3	11.1	13.4	28/10/2021	< 0.1	36.6	36.6
31/01/2021	2.2	17.5	19.7	29/04/2021	0.2	36.0	36.2
27/12/2021	2.1	11.2	13.3	02/09/2021	< 0.1	36.0	36.0
28/11/2021	2.1	21.6	23.7	18/01/2021	< 0.1	35.8	35.8
23/02/2021	2.1	21.3	23.4	10/09/2021	0.3	35.5	35.8
07/01/2021	1.9	11.0	12.9	27/04/2021	0.2	35.4	35.6
28/12/2021	1.9	10.1	12.0	21/08/2021	< 0.1	34.6	34.6
14/02/2021	1.9	15.9	17.8	02/03/2021	0.7	33.8	34.5

Highest incremental PM ₁₀ impact – Receptor R3				Highest cumulative PM ₁₀ impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/06/2021	2.3	7.6	9.9	04/05/2021	0.3	54.9	55.2
29/05/2021	1.9	9.3	11.2	20/04/2021	< 0.1	46.2	46.2
10/07/2021	1.4	7.9	9.3	28/10/2021	< 0.1	36.6	36.6
21/07/2021	1.4	8.0	9.4	29/04/2021	0.2	36.0	36.2
30/05/2021	1.3	8.1	9.4	02/09/2021	< 0.1	36.0	36.0
12/04/2021	1.3	16.9	18.2	18/01/2021	0.2	35.8	36.0
21/09/2021	1.2	13.5	14.7	10/09/2021	0.2	35.5	35.7
12/08/2021	1.1	10.6	11.7	27/04/2021	< 0.1	35.4	35.5
11/12/2021	1.1	8.1	9.2	21/08/2021	< 0.1	34.6	34.6
28/05/2021	1.1	14.3	15.4	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R4				Highest cumulative PM ₁₀ impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/06/2021	2.3	7.6	9.9	04/05/2021	0.3	54.9	55.2
29/05/2021	1.6	9.3	10.9	20/04/2021	< 0.1	46.2	46.2
12/04/2021	1.4	16.9	18.3	28/10/2021	< 0.1	36.6	36.6
10/07/2021	1.4	7.9	9.3	29/04/2021	0.4	36.0	36.4
12/08/2021	1.4	10.6	12.0	02/09/2021	< 0.1	36.0	36.0
21/07/2021	1.3	8.0	9.3	18/01/2021	0.1	35.8	35.9
10/12/2021	1.2	7.0	8.2	27/04/2021	0.2	35.4	35.6
28/08/2021	1.2	11.1	12.3	10/09/2021	< 0.1	35.5	35.6
17/05/2021	1.1	13.5	14.6	21/08/2021	< 0.1	34.6	34.6
21/09/2021	1.1	13.5	14.6	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R9			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
18/03/2021	2.3	9.1	11.4	04/05/2021	0.2	54.9	55.1
19/03/2021	2.1	13.8	15.9	20/04/2021	< 0.1	46.2	46.2
11/11/2021	2.1	14.5	16.6	28/10/2021	< 0.1	36.6	36.6
20/03/2021	2.0	9.9	11.9	29/04/2021	< 0.1	36.0	36.0
17/03/2021	1.8	13.5	15.3	02/09/2021	< 0.1	36.0	36.0
28/01/2021	1.6	16.0	17.6	18/01/2021	< 0.1	35.8	35.8
22/12/2021	1.5	15.1	16.7	10/09/2021	0.1	35.5	35.6
18/02/2021	1.5	13.9	15.4	27/04/2021	< 0.1	35.4	35.5
05/04/2021	1.4	25.8	27.2	21/08/2021	< 0.1	34.6	34.6
24/02/2021	1.4	15.2	16.6	02/03/2021	0.4	33.8	34.2

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R7			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	1.9	13.8	15.7	04/05/2021	0.2	54.9	55.1
28/01/2021	1.8	16.0	17.8	20/04/2021	< 0.1	46.2	46.2
16/02/2021	1.8	9.9	11.7	28/10/2021	< 0.1	36.6	36.6
05/12/2021	1.6	14.7	16.3	29/04/2021	0.2	36.0	36.2
18/03/2021	1.6	9.1	10.7	02/09/2021	< 0.1	36.0	36.0
16/12/2021	1.5	20.0	21.4	18/01/2021	< 0.1	35.8	35.9
08/01/2021	1.4	13.7	15.1	10/09/2021	< 0.1	35.5	35.6
09/02/2021	1.4	19.8	21.2	27/04/2021	< 0.1	35.4	35.5
01/01/2021	1.4	12.1	13.5	21/08/2021	< 0.1	34.6	34.6
22/11/2021	1.4	18.0	19.4	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R13				Highest cumulative PM ₁₀ impact – Receptor R47			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/11/2021	1.6	9.8	11.4	04/05/2021	0.2	54.9	55.1
22/03/2021	1.5	5.9	7.4	20/04/2021	< 0.1	46.2	46.2
17/12/2021	1.4	19.2	20.6	28/10/2021	< 0.1	36.6	36.6
17/11/2021	1.4	21.5	22.9	29/04/2021	< 0.1	36.0	36.0
03/11/2021	1.4	17.8	19.2	02/09/2021	< 0.1	36.0	36.0
13/01/2021	1.3	19.0	20.3	18/01/2021	< 0.1	35.8	35.8
20/02/2021	1.3	11.4	12.7	10/09/2021	< 0.1	35.5	35.6
30/11/2021	1.3	26.0	27.3	27/04/2021	< 0.1	35.4	35.4
23/03/2021	1.3	4.1	5.4	21/08/2021	< 0.1	34.6	34.6
03/07/2021	1.2	10.6	11.8	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R15				Highest cumulative PM ₁₀ impact – Receptor R8			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/08/2021	1.4	32.0	33.4	04/05/2021	0.2	54.9	55.1
23/06/2021	1.2	7.8	9.0	20/04/2021	< 0.1	46.2	46.2
24/06/2021	1.1	8.3	9.4	28/10/2021	< 0.1	36.6	36.6
31/07/2021	1.1	23.1	24.2	29/04/2021	0.2	36.0	36.2
03/09/2021	1.1	19.8	20.9	02/09/2021	< 0.1	36.0	36.0
13/03/2021	1.0	14.5	15.5	18/01/2021	< 0.1	35.8	35.8
10/08/2021	1.0	23.8	24.8	10/09/2021	< 0.1	35.5	35.6
07/06/2021	1.0	12.2	13.2	27/04/2021	< 0.1	35.4	35.5
23/08/2021	1.0	25.4	26.4	21/08/2021	< 0.1	34.6	34.6
18/12/2021	1.0	18.4	19.4	20/08/2021	< 0.1	34.1	34.1

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R14				Highest cumulative PM _{2.5} impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
03/09/2021	3.1	6.7	9.8	04/05/2021	0.6	40.3	40.9
18/12/2021	3.0	3.7	6.7	29/04/2021	0.6	21.8	22.4
17/09/2021	2.6	4.6	7.2	23/04/2021	0.9	19.5	20.4
06/02/2021	2.5	6.5	9.0	20/08/2021	< 0.1	19.2	19.2
03/07/2021	2.4	6.6	9.0	10/10/2021	0.3	16.9	17.2
25/05/2021	2.2	6.4	8.6	15/08/2021	< 0.1	16.1	16.2
24/01/2021	2.2	10.2	12.4	03/05/2021	< 0.1	14.9	14.9
14/10/2021	2.1	3.4	5.5	23/08/2021	< 0.1	14.7	14.7
11/02/2021	2.1	9.5	11.6	14/08/2021	0.3	14.3	14.6
22/08/2021	2.0	12.2	14.2	30/04/2021	0.4	13.7	14.1

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	2.6	4.9	7.5	04/05/2021	0.6	40.3	40.9
19/02/2021	2.5	2.9	5.5	29/04/2021	0.6	21.8	22.4
29/01/2021	2.4	4.3	6.7	23/04/2021	1.1	19.5	20.6
22/03/2021	2.2	2.4	4.6	20/08/2021	< 0.1	19.2	19.2
10/03/2021	2.1	4.9	7.0	10/10/2021	0.3	16.9	17.2
02/11/2021	2.0	3.5	5.5	15/08/2021	0.1	16.1	16.2
23/11/2021	1.7	3.8	5.5	03/05/2021	< 0.1	14.9	14.9
09/11/2021	1.6	4.4	6.0	23/08/2021	< 0.1	14.7	14.7
24/12/2021	1.5	5.9	7.4	14/08/2021	0.3	14.3	14.6
17/11/2021	1.4	4.5	5.9	30/04/2021	0.4	13.7	14.1

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/06/2021	2.6	2.4	5.0	04/05/2021	0.5	40.3	40.8
29/05/2021	2.0	3.4	5.4	29/04/2021	0.6	21.8	22.4
21/07/2021	1.6	2.5	4.1	23/04/2021	0.7	19.5	20.2
10/07/2021	1.6	4.1	5.7	20/08/2021	< 0.1	19.2	19.2
12/04/2021	1.5	3.6	5.1	10/10/2021	0.3	16.9	17.2
21/09/2021	1.4	3.1	4.5	15/08/2021	< 0.1	16.1	16.2
30/05/2021	1.3	2.3	3.6	03/05/2021	< 0.1	14.9	14.9
12/08/2021	1.3	3.6	4.9	23/08/2021	< 0.1	14.7	14.7
28/05/2021	1.3	4.9	6.2	14/08/2021	0.3	14.3	14.6
21/04/2021	1.2	5.8	7.0	30/04/2021	0.2	13.7	13.9

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/11/2021	2.5	1.9	4.4	04/05/2021	0.5	40.3	40.8
13/02/2021	2.3	6.2	8.5	29/04/2021	0.2	21.8	22.0
27/01/2021	2.3	7.0	9.3	23/04/2021	< 0.1	19.5	19.6
31/01/2021	2.2	8.1	10.3	20/08/2021	< 0.1	19.2	19.2
27/12/2021	2.1	2.0	4.1	10/10/2021	0.7	16.9	17.6
28/11/2021	2.1	5.6	7.7	15/08/2021	< 0.1	16.1	16.1
23/02/2021	2.1	5.3	7.4	19/01/2021	1.8	13.8	15.6
07/01/2021	1.9	2.7	4.6	03/05/2021	< 0.1	14.9	14.9
28/12/2021	1.9	1.2	3.1	23/08/2021	< 0.1	14.7	14.7
14/02/2021	1.9	7.5	9.4	14/08/2021	0.1	14.3	14.4

Highest incremental PM _{2.5} impact – Receptor R3				Highest cumulative PM _{2.5} impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/06/2021	2.3	2.4	4.7	04/05/2021	0.3	40.3	40.6
29/05/2021	1.9	3.4	5.3	29/04/2021	0.2	21.8	22.0
10/07/2021	1.4	4.1	5.5	23/04/2021	0.7	19.5	20.2
21/07/2021	1.4	2.5	3.9	20/08/2021	< 0.1	19.2	19.2
30/05/2021	1.3	2.3	3.6	10/10/2021	0.1	16.9	17.0
12/04/2021	1.3	3.6	4.9	15/08/2021	0.3	16.1	16.4
21/09/2021	1.2	3.1	4.3	03/05/2021	< 0.1	14.9	14.9
12/08/2021	1.1	3.6	4.7	23/08/2021	< 0.1	14.7	14.7
11/12/2021	1.1	2.1	3.2	14/08/2021	< 0.1	14.3	14.4
28/05/2021	1.1	4.9	6.0	22/04/2021	0.6	13.4	14.0

Highest incremental PM _{2.5} impact – Receptor R4				Highest cumulative PM _{2.5} impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/06/2021	2.3	2.4	4.7	04/05/2021	0.3	40.3	40.6
29/05/2021	1.6	3.4	5.0	29/04/2021	0.4	21.8	22.2
12/04/2021	1.4	3.6	5.0	23/04/2021	0.6	19.5	20.1
10/07/2021	1.4	4.1	5.5	20/08/2021	< 0.1	19.2	19.2
12/08/2021	1.4	3.6	5.0	10/10/2021	0.1	16.9	17.0
21/07/2021	1.3	2.5	3.8	15/08/2021	< 0.1	16.1	16.1
10/12/2021	1.2	2.7	3.9	03/05/2021	< 0.1	14.9	14.9
28/08/2021	1.2	5.3	6.5	23/08/2021	< 0.1	14.7	14.7
17/05/2021	1.1	5.2	6.3	14/08/2021	0.2	14.3	14.5
21/09/2021	1.1	3.1	4.2	21/08/2021	< 0.1	13.8	13.8

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R9			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
18/03/2021	2.3	2.5	4.8	04/05/2021	0.2	40.3	40.5
19/03/2021	2.1	2.9	5.0	29/04/2021	< 0.1	21.8	21.8
11/11/2021	2.1	3.6	5.7	23/04/2021	< 0.1	19.5	19.5
20/03/2021	2.0	1.5	3.5	20/08/2021	< 0.1	19.2	19.2
17/03/2021	1.8	3.3	5.1	10/10/2021	0.2	16.9	17.1
28/01/2021	1.6	8.3	9.9	15/08/2021	< 0.1	16.1	16.1
22/12/2021	1.5	4.4	6.0	19/01/2021	1.1	13.8	14.9
18/02/2021	1.5	3.9	5.4	03/05/2021	< 0.1	14.9	14.9
05/04/2021	1.4	10.2	11.6	23/08/2021	< 0.1	14.7	14.7
24/02/2021	1.4	3.6	5.0	14/08/2021	< 0.1	14.3	14.3

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R7			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	1.9	2.9	4.8	04/05/2021	0.2	40.3	40.5
28/01/2021	1.8	8.3	10.1	29/04/2021	0.2	21.8	22.0
16/02/2021	1.8	5.7	7.5	23/04/2021	0.6	19.5	20.1
05/12/2021	1.6	4.3	5.9	20/08/2021	< 0.1	19.2	19.2
18/03/2021	1.6	2.5	4.1	10/10/2021	< 0.1	16.9	16.9
16/12/2021	1.5	6.6	8.1	15/08/2021	< 0.1	16.1	16.1
08/01/2021	1.4	2.8	4.2	03/05/2021	< 0.1	14.9	14.9
09/02/2021	1.4	8.3	9.7	23/08/2021	< 0.1	14.7	14.7
01/01/2021	1.4	1.7	3.1	14/08/2021	< 0.1	14.3	14.4
22/11/2021	1.4	4.4	5.8	22/04/2021	0.5	13.4	13.9

Highest incremental PM _{2.5} impact – Receptor R13				Highest cumulative PM _{2.5} impact – Receptor R47			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/11/2021	1.6	3.7	5.3	04/05/2021	0.2	40.3	40.5
22/03/2021	1.5	2.4	3.9	29/04/2021	< 0.1	21.8	21.8
17/12/2021	1.4	5.1	6.6	23/04/2021	< 0.1	19.5	19.5
17/11/2021	1.4	4.5	5.9	20/08/2021	< 0.1	19.2	19.2
03/11/2021	1.4	2.7	4.1	10/10/2021	0.1	16.9	17.0
13/01/2021	1.3	3.3	4.6	15/08/2021	< 0.1	16.1	16.1
20/02/2021	1.3	2.0	3.3	03/05/2021	< 0.1	14.9	14.9
30/11/2021	1.3	6.7	8.0	23/08/2021	< 0.1	14.7	14.7
23/03/2021	1.3	< 0.1	1.3	14/08/2021	< 0.1	14.3	14.3
03/07/2021	1.2	6.6	7.8	19/01/2021	0.5	13.8	14.3

Highest incremental PM _{2.5} impact – Receptor R15				Highest cumulative PM _{2.5} impact – Receptor R8			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/08/2021	1.4	12.2	13.6	04/05/2021	0.2	40.3	40.5
23/06/2021	1.2	5.6	6.8	29/04/2021	0.2	21.8	22.0
24/06/2021	1.1	3.7	4.8	23/04/2021	0.5	19.5	20.0
31/07/2021	1.1	10.6	11.7	20/08/2021	< 0.1	19.2	19.2
03/09/2021	1.1	6.7	7.8	10/10/2021	< 0.1	16.9	16.9
13/03/2021	1.0	6.8	7.8	15/08/2021	< 0.1	16.1	16.1
10/08/2021	1.0	7.6	8.6	03/05/2021	< 0.1	14.9	14.9
07/06/2021	1.0	6.9	7.9	23/08/2021	< 0.1	14.7	14.7
23/08/2021	1.0	14.7	15.7	14/08/2021	< 0.1	14.3	14.4
18/12/2021	1.0	3.7	4.7	21/08/2021	< 0.1	13.8	13.8

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	2.5	2.5
R2	2.6	2.6
R3	2.3	2.3
R4	2.3	2.3
R5	1.0	1.0
R6	1.3	1.3
R7	0.7	0.7
R8	0.6	0.6
R9	1.1	1.1
R10	1.9	1.9
R11	2.3	2.3
R12	2.6	2.6
R13	1.6	1.6
R14	3.1	3.1
R15	1.4	1.4
R16	0.1	0.1
R17	< 0.1	< 0.1
R18	< 0.1	< 0.1
R19	0.1	0.1
R20	0.2	0.2
R21	0.2	0.2
R22	0.2	0.2
R23	< 0.1	< 0.1
R24	< 0.1	< 0.1
R25	< 0.1	< 0.1
R26	0.1	0.1
R27	< 0.1	< 0.1
R28	0.2	0.2
R29	0.2	0.2
R30	0.2	0.2
R31	0.2	0.2

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	0.1	0.1
R33	< 0.1	< 0.1
R34	< 0.1	< 0.1
R35	< 0.1	< 0.1
R36	< 0.1	< 0.1
R37	< 0.1	< 0.1
R38	0.4	0.4
R39	0.2	0.2
R40	0.8	0.8
R41	0.7	0.7
R42	0.4	0.4
R43	0.4	0.4
R44	1.0	1.0
R45	0.8	0.8
R46	0.5	0.5
R47	0.9	0.9
R48	1.0	1.0
R49	0.3	0.3
R50	0.4	0.4
R51	0.3	0.3
R52	0.1	0.1
R53	0.2	0.2
R54	0.2	0.2
R55	0.2	0.2
R56	0.2	0.2
R57	0.2	0.2
R58	0.2	0.2
R59	0.3	0.3
R60	0.3	0.3
R61	0.2	0.2
R62	0.2	0.2
R63	0.2	0.2
R64	0.2	0.2
R65	0.2	0.2
R66	0.1	0.1
R67	0.2	0.2

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	0.2	0.2
R69	0.1	0.1
R70	0.2	0.2
R71	0.7	0.7
R72	0.7	0.7
R73	0.9	0.9
R74	0.4	0.4
R75	0.1	0.1
R76	0.1	0.1
R77	0.2	0.2
R78	0.3	0.3
R79	0.2	0.2
R80	0.2	0.2
R81	0.3	0.3
R82	0.2	0.2
R83	0.2	0.2
R84	0.2	0.2
R85	0.3	0.3
R86	0.3	0.3
R87	0.2	0.2
R88	0.2	0.2
R89	0.2	0.2
R90	0.2	0.2
R91	0.1	0.1
R92	0.2	0.2
R93	0.1	0.1
R94	0.2	0.2
R95	0.1	0.1
R96	< 0.1	< 0.1
R97	0.1	0.1
R98	0.2	0.2
R99	0.2	0.2
R100	0.1	0.1
R101	< 0.1	< 0.1
R102	0.1	0.1
R103	< 0.1	< 0.1

Rec.	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)
R104	0.1	0.1
R105	< 0.1	< 0.1
R106	0.1	0.1
R107	< 0.1	< 0.1
R108	0.1	0.1
R109	< 0.1	< 0.1
R110	0.2	0.2
R111	< 0.1	< 0.1
R112	< 0.1	< 0.1
R113	0.1	0.1
R114	< 0.1	< 0.1
R115	< 0.1	< 0.1
R116	< 0.1	< 0.1
R117	< 0.1	< 0.1
R118	0.1	0.1
R119	0.1	0.1
R120	< 0.1	< 0.1
R121	< 0.1	< 0.1
R122	0.1	0.1
R123	0.1	0.1
R124	< 0.1	< 0.1
R125	0.1	0.1
R126	< 0.1	< 0.1
R127	0.3	0.3
R128	0.2	0.2

Particulate matter – annual averages

Annual average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	PM2.5 ($\mu\text{g}/\text{m}^3$)			PM10 ($\mu\text{g}/\text{m}^3$)			TSP ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			8			25			90
R1	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R2	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R3	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R4	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R5	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R6	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R7	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R8	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R9	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R10	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R11	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R12	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R13	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R14	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R15	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R16	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R17	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R18	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R19	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R20	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R21	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R22	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R23	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R24	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R25	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R26	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R27	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R28	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R29	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R30	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Rec.	PM2.5 (µg/m³)			PM10 (µg/m³)			TSP (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R32	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R33	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R34	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R35	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R36	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R37	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R38	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R39	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R40	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R41	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R42	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R43	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R44	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R45	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R46	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R47	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R48	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R49	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R50	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R51	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R52	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R53	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R54	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R55	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R56	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R57	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R58	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R59	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R60	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R61	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R62	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R63	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R64	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R65	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Rec.	PM2.5 (µg/m³)			PM10 (µg/m³)			TSP (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R67	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R68	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R69	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R70	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R71	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R72	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R73	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R74	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R75	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R76	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R77	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R78	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R79	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R80	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R81	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R82	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R83	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R84	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R85	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R86	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R87	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R88	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R89	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R90	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R91	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R92	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R93	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R94	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R95	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R96	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R97	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R98	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R99	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R100	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Rec.	PM2.5 (µg/m³)			PM10 (µg/m³)			TSP (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R102	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R103	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R104	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R105	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R106	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R107	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R108	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R109	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R110	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R111	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R112	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R113	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R114	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R115	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R116	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R117	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R118	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R119	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R120	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R121	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R122	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R123	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R124	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R125	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R126	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R127	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R128	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	0.2	< 0.1	0.2	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R2	0.1	0.5	0.6	< 0.1	0.4	0.5	< 0.1	< 0.1	< 0.1
R3	0.1	0.5	0.6	< 0.1	0.4	0.5	< 0.1	< 0.1	< 0.1
R4	0.1	0.5	0.6	< 0.1	0.4	0.5	< 0.1	< 0.1	< 0.1
R5	0.1	0.7	0.8	< 0.1	0.5	0.6	< 0.1	< 0.1	< 0.1
R6	0.1	0.8	0.9	< 0.1	0.6	0.7	< 0.1	0.2	0.2
R7	< 0.1	0.8	0.9	< 0.1	0.6	0.7	< 0.1	< 0.1	< 0.1
R8	< 0.1	0.5	0.5	< 0.1	0.4	0.4	< 0.1	< 0.1	< 0.1
R9	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R10	< 0.1	0.2	0.3	< 0.1	0.1	0.2	< 0.1	< 0.1	< 0.1
R11	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.2
R12	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R13	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R14	0.2	0.5	0.7	0.1	0.4	0.5	< 0.1	0.1	0.2
R15	0.1	0.3	0.5	< 0.1	0.2	0.3	< 0.1	< 0.1	< 0.1
R16	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R17	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R18	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R19	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R20	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R21	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R22	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R23	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R24	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R25	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R27	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R28	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R29	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R30	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R32	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R33	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R34	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R35	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R36	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R37	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R38	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R39	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.3
R40	0.1	0.7	0.8	< 0.1	0.5	0.6	< 0.1	< 0.1	< 0.1
R41	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R42	< 0.1	0.5	0.5	< 0.1	0.4	0.4	< 0.1	< 0.1	< 0.1
R43	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R44	< 0.1	0.2	0.2	< 0.1	0.1	0.2	< 0.1	< 0.1	< 0.1
R45	< 0.1	0.2	0.2	< 0.1	0.1	0.2	< 0.1	< 0.1	< 0.1
R46	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R47	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R48	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R49	< 0.1	0.5	0.5	< 0.1	0.4	0.4	< 0.1	< 0.1	< 0.1
R50	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R51	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R52	< 0.1	0.8	0.8	< 0.1	0.6	0.6	< 0.1	< 0.1	< 0.1
R53	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R54	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R55	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R56	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R57	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R58	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R59	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R60	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R61	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R62	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	0.1	0.1
R63	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R64	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R65	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R67	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R68	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R69	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R70	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R71	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R72	< 0.1	0.3	0.4	< 0.1	0.2	0.3	< 0.1	0.2	0.2
R73	< 0.1	0.3	0.4	< 0.1	0.2	0.3	< 0.1	< 0.1	0.1
R74	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R75	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R76	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R77	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R78	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R79	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R80	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R81	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R82	< 0.1	0.2	0.2	< 0.1	0.1	0.2	< 0.1	0.1	0.1
R83	< 0.1	0.2	0.2	< 0.1	0.1	0.2	< 0.1	< 0.1	< 0.1
R84	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R85	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R86	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R87	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R88	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R89	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R90	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R91	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R92	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R93	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R94	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R95	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R96	< 0.1	0.5	0.5	< 0.1	0.4	0.4	< 0.1	0.3	0.3
R97	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R98	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R99	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R102	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R104	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R105	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R106	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R107	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R108	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R109	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R110	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R111	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R112	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R113	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R114	< 0.1	0.3	0.3	< 0.1	0.2	0.3	< 0.1	0.2	0.3
R115	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R116	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R117	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R118	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R119	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R120	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R121	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R122	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R123	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R124	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R125	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R126	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R127	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R128	< 0.1	0.8	0.8	< 0.1	0.6	0.6	< 0.1	0.3	0.3

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	0.2	2.9	3.0	< 0.1	< 0.1	< 0.1
R2	0.1	2.9	3.0	< 0.1	0.5	0.5
R3	0.1	2.9	3.0	< 0.1	0.5	0.5
R4	0.1	2.9	3.0	< 0.1	0.5	0.5
R5	< 0.1	2.9	3.0	< 0.1	0.5	0.5
R6	0.1	2.9	3.0	< 0.1	< 0.1	< 0.1
R7	< 0.1	2.9	2.9	< 0.1	1.0	1.0
R8	< 0.1	2.9	2.9	< 0.1	1.0	1.0
R9	< 0.1	2.9	2.9	< 0.1	1.5	1.6
R10	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.3
R11	0.1	< 0.1	0.1	< 0.1	0.6	0.6
R12	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R13	0.1	< 0.1	0.1	< 0.1	0.2	0.3
R14	0.2	2.9	3.0	< 0.1	8.2	8.3
R15	0.1	< 0.1	0.1	< 0.1	0.6	0.6
R16	< 0.1	< 0.1	< 0.1	< 0.1	1.1	1.1
R17	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R18	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R19	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R20	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R21	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R22	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R23	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R24	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R25	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R26	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R27	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R28	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R29	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R30	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	< 0.1	< 0.1	< 0.1	< 0.1	1.5	1.6
R32	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R33	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R34	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R35	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R36	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R37	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R38	< 0.1	< 0.1	< 0.1	< 0.1	1.1	1.1
R39	< 0.1	< 0.1	< 0.1	< 0.1	1.4	1.4
R40	0.1	5.7	5.8	< 0.1	3.5	3.5
R41	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R42	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R43	< 0.1	< 0.1	< 0.1	< 0.1	1.3	1.3
R44	< 0.1	2.9	2.9	< 0.1	< 0.1	< 0.1
R45	< 0.1	2.9	2.9	< 0.1	< 0.1	< 0.1
R46	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R47	< 0.1	2.9	2.9	< 0.1	< 0.1	< 0.1
R48	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R49	< 0.1	2.9	2.9	< 0.1	1.0	1.0
R50	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R51	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R52	< 0.1	2.9	2.9	< 0.1	1.0	1.0
R53	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R54	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R55	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R56	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R57	< 0.1	< 0.1	< 0.1	< 0.1	1.5	1.6
R58	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R59	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R60	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R61	< 0.1	11.4	11.5	< 0.1	0.4	0.4
R62	< 0.1	< 0.1	< 0.1	< 0.1	1.7	1.7
R63	< 0.1	< 0.1	< 0.1	< 0.1	1.9	1.9
R64	< 0.1	2.9	2.9	< 0.1	1.3	1.3
R65	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	< 0.1	< 0.1	< 0.1	< 0.1	1.1	1.1
R67	< 0.1	2.9	2.9	< 0.1	1.2	1.2
R68	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R69	< 0.1	< 0.1	< 0.1	< 0.1	1.9	1.9
R70	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R71	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R72	< 0.1	< 0.1	< 0.1	< 0.1	3.7	3.7
R73	< 0.1	< 0.1	< 0.1	< 0.1	3.7	3.7
R74	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R75	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R76	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R77	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R78	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R79	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R80	< 0.1	< 0.1	< 0.1	< 0.1	4.4	4.4
R81	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R82	< 0.1	2.9	2.9	< 0.1	2.1	2.1
R83	< 0.1	2.9	2.9	< 0.1	1.8	1.8
R84	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R85	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R86	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R87	< 0.1	2.9	2.9	< 0.1	0.2	0.2
R88	< 0.1	2.9	2.9	< 0.1	1.7	1.7
R89	< 0.1	< 0.1	< 0.1	< 0.1	1.7	1.7
R90	< 0.1	2.9	2.9	< 0.1	1.3	1.3
R91	< 0.1	2.9	2.9	< 0.1	0.2	0.2
R92	< 0.1	2.9	2.9	< 0.1	1.3	1.3
R93	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R94	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R95	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R96	< 0.1	2.9	2.9	< 0.1	0.5	0.5
R97	< 0.1	< 0.1	< 0.1	< 0.1	1.0	1.0
R98	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R99	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R102	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R104	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R105	< 0.1	2.9	2.9	< 0.1	0.5	0.5
R106	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R107	< 0.1	< 0.1	< 0.1	< 0.1	1.4	1.4
R108	< 0.1	< 0.1	< 0.1	< 0.1	1.0	1.0
R109	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R110	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R111	< 0.1	2.9	2.9	< 0.1	1.4	1.4
R112	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R113	< 0.1	< 0.1	< 0.1	< 0.1	2.4	2.4
R114	< 0.1	1.4	1.4	< 0.1	1.4	1.4
R115	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R116	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R117	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R118	< 0.1	< 0.1	< 0.1	< 0.1	1.1	1.1
R119	< 0.1	2.9	2.9	< 0.1	1.2	1.2
R120	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R121	< 0.1	< 0.1	< 0.1	< 0.1	1.0	1.0
R122	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R123	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R124	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R125	< 0.1	< 0.1	< 0.1	< 0.1	1.3	1.3
R126	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R127	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R128	< 0.1	2.9	2.9	< 0.1	0.5	0.5

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	1.03E-09	6.96E-05	2.51E-05	1.75E-05	7.07E-06
R2	9.35E-10	6.32E-05	2.28E-05	1.59E-05	6.42E-06
R3	8.64E-10	5.84E-05	2.10E-05	1.47E-05	5.94E-06
R4	8.72E-10	5.90E-05	2.12E-05	1.48E-05	5.99E-06
R5	5.41E-10	3.66E-05	1.32E-05	9.19E-06	3.72E-06
R6	5.64E-10	3.81E-05	1.37E-05	9.57E-06	3.87E-06
R7	4.03E-10	2.73E-05	9.81E-06	6.84E-06	2.77E-06
R8	3.46E-10	2.34E-05	8.42E-06	5.87E-06	2.38E-06
R9	5.44E-10	3.68E-05	1.32E-05	9.23E-06	3.74E-06
R10	8.28E-10	5.60E-05	2.01E-05	1.41E-05	5.68E-06
R11	1.03E-09	6.99E-05	2.52E-05	1.76E-05	7.10E-06
R12	1.17E-09	7.92E-05	2.85E-05	1.99E-05	8.05E-06
R13	1.00E-09	6.79E-05	2.44E-05	1.70E-05	6.90E-06
R14	1.38E-09	9.30E-05	3.35E-05	2.34E-05	9.45E-06
R15	6.81E-10	4.60E-05	1.66E-05	1.16E-05	4.68E-06
R16	5.05E-11	3.42E-06	1.23E-06	8.58E-07	3.47E-07
R17	4.62E-11	3.13E-06	1.13E-06	7.85E-07	3.17E-07
R18	4.35E-11	2.94E-06	1.06E-06	7.38E-07	2.99E-07
R19	7.46E-11	5.05E-06	1.82E-06	1.27E-06	5.13E-07
R20	8.94E-11	6.04E-06	2.18E-06	1.52E-06	6.14E-07
R21	8.54E-11	5.78E-06	2.08E-06	1.45E-06	5.87E-07
R22	8.07E-11	5.46E-06	1.96E-06	1.37E-06	5.54E-07
R23	4.66E-11	3.15E-06	1.13E-06	7.91E-07	3.20E-07
R24	4.67E-11	3.16E-06	1.14E-06	7.92E-07	3.21E-07
R25	5.71E-11	3.86E-06	1.39E-06	9.70E-07	3.92E-07
R26	6.74E-11	4.56E-06	1.64E-06	1.14E-06	4.63E-07
R27	2.54E-11	1.72E-06	6.18E-07	4.31E-07	1.74E-07
R28	9.58E-11	6.48E-06	2.33E-06	1.63E-06	6.58E-07
R29	1.09E-10	7.36E-06	2.65E-06	1.85E-06	7.48E-07
R30	9.92E-11	6.71E-06	2.41E-06	1.68E-06	6.81E-07
R31	1.58E-10	1.07E-05	3.85E-06	2.68E-06	1.09E-06
R32	8.51E-11	5.76E-06	2.07E-06	1.44E-06	5.85E-07

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	5.58E-11	3.77E-06	1.36E-06	9.47E-07	3.83E-07
R34	5.35E-11	3.62E-06	1.30E-06	9.09E-07	3.68E-07
R35	5.64E-11	3.81E-06	1.37E-06	9.58E-07	3.88E-07
R36	4.72E-11	3.19E-06	1.15E-06	8.02E-07	3.25E-07
R37	4.95E-11	3.34E-06	1.20E-06	8.39E-07	3.40E-07
R38	2.38E-10	1.61E-05	5.80E-06	4.04E-06	1.64E-06
R39	1.32E-10	8.95E-06	3.22E-06	2.25E-06	9.10E-07
R40	4.69E-10	3.17E-05	1.14E-05	7.95E-06	3.22E-06
R41	3.57E-10	2.41E-05	8.68E-06	6.05E-06	2.45E-06
R42	2.88E-10	1.95E-05	7.01E-06	4.89E-06	1.98E-06
R43	2.69E-10	1.82E-05	6.54E-06	4.56E-06	1.85E-06
R44	4.55E-10	3.08E-05	1.11E-05	7.73E-06	3.13E-06
R45	3.80E-10	2.57E-05	9.26E-06	6.46E-06	2.61E-06
R46	2.96E-10	2.00E-05	7.20E-06	5.02E-06	2.03E-06
R47	4.02E-10	2.72E-05	9.80E-06	6.83E-06	2.76E-06
R48	4.41E-10	2.98E-05	1.07E-05	7.48E-06	3.03E-06
R49	2.13E-10	1.44E-05	5.19E-06	3.62E-06	1.46E-06
R50	2.56E-10	1.73E-05	6.22E-06	4.34E-06	1.76E-06
R51	1.66E-10	1.13E-05	4.05E-06	2.83E-06	1.14E-06
R52	1.09E-10	7.34E-06	2.64E-06	1.84E-06	7.46E-07
R53	1.18E-10	8.00E-06	2.88E-06	2.01E-06	8.13E-07
R54	1.30E-10	8.82E-06	3.17E-06	2.21E-06	8.96E-07
R55	9.10E-11	6.15E-06	2.22E-06	1.54E-06	6.25E-07
R56	1.31E-10	8.88E-06	3.20E-06	2.23E-06	9.02E-07
R57	1.50E-10	1.01E-05	3.65E-06	2.54E-06	1.03E-06
R58	1.17E-10	7.90E-06	2.84E-06	1.98E-06	8.03E-07
R59	1.63E-10	1.11E-05	3.98E-06	2.77E-06	1.12E-06
R60	1.32E-10	8.92E-06	3.21E-06	2.24E-06	9.06E-07
R61	1.36E-10	9.18E-06	3.30E-06	2.30E-06	9.32E-07
R62	1.72E-10	1.16E-05	4.19E-06	2.92E-06	1.18E-06
R63	1.49E-10	1.01E-05	3.63E-06	2.53E-06	1.02E-06
R64	1.29E-10	8.71E-06	3.13E-06	2.19E-06	8.84E-07
R65	8.26E-11	5.58E-06	2.01E-06	1.40E-06	5.67E-07
R66	6.61E-11	4.47E-06	1.61E-06	1.12E-06	4.54E-07
R67	5.94E-11	4.02E-06	1.45E-06	1.01E-06	4.08E-07
R68	5.78E-11	3.91E-06	1.41E-06	9.82E-07	3.97E-07
R69	7.93E-11	5.36E-06	1.93E-06	1.35E-06	5.45E-07

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	1.52E-10	1.03E-05	3.70E-06	2.58E-06	1.04E-06
R71	2.80E-10	1.89E-05	6.82E-06	4.75E-06	1.92E-06
R72	3.45E-10	2.33E-05	8.39E-06	5.85E-06	2.37E-06
R73	3.96E-10	2.68E-05	9.65E-06	6.73E-06	2.72E-06
R74	1.46E-10	9.90E-06	3.57E-06	2.49E-06	1.01E-06
R75	7.51E-11	5.08E-06	1.83E-06	1.28E-06	5.16E-07
R76	7.91E-11	5.35E-06	1.92E-06	1.34E-06	5.43E-07
R77	1.42E-10	9.61E-06	3.46E-06	2.41E-06	9.76E-07
R78	1.54E-10	1.04E-05	3.74E-06	2.61E-06	1.06E-06
R79	1.12E-10	7.60E-06	2.74E-06	1.91E-06	7.72E-07
R80	1.05E-10	7.09E-06	2.55E-06	1.78E-06	7.20E-07
R81	1.14E-10	7.70E-06	2.77E-06	1.93E-06	7.82E-07
R82	1.37E-10	9.29E-06	3.34E-06	2.33E-06	9.43E-07
R83	1.13E-10	7.64E-06	2.75E-06	1.92E-06	7.76E-07
R84	1.56E-10	1.05E-05	3.79E-06	2.64E-06	1.07E-06
R85	1.17E-10	7.92E-06	2.85E-06	1.99E-06	8.04E-07
R86	1.26E-10	8.55E-06	3.08E-06	2.15E-06	8.68E-07
R87	9.15E-11	6.19E-06	2.23E-06	1.55E-06	6.29E-07
R88	1.21E-10	8.21E-06	2.95E-06	2.06E-06	8.34E-07
R89	1.04E-10	7.01E-06	2.52E-06	1.76E-06	7.12E-07
R90	8.67E-11	5.87E-06	2.11E-06	1.47E-06	5.96E-07
R91	7.31E-11	4.95E-06	1.78E-06	1.24E-06	5.02E-07
R92	8.93E-11	6.04E-06	2.17E-06	1.52E-06	6.14E-07
R93	8.58E-11	5.80E-06	2.09E-06	1.46E-06	5.90E-07
R94	7.39E-11	5.00E-06	1.80E-06	1.25E-06	5.08E-07
R95	6.49E-11	4.39E-06	1.58E-06	1.10E-06	4.46E-07
R96	6.79E-11	4.59E-06	1.65E-06	1.15E-06	4.66E-07
R97	7.30E-11	4.94E-06	1.78E-06	1.24E-06	5.02E-07
R98	7.08E-11	4.79E-06	1.72E-06	1.20E-06	4.86E-07
R99	1.39E-10	9.42E-06	3.39E-06	2.37E-06	9.57E-07
R100	1.02E-10	6.92E-06	2.49E-06	1.74E-06	7.03E-07
R101	4.82E-11	3.26E-06	1.17E-06	8.17E-07	3.31E-07
R102	6.33E-11	4.28E-06	1.54E-06	1.07E-06	4.35E-07
R103	5.31E-11	3.59E-06	1.29E-06	9.02E-07	3.65E-07
R104	6.58E-11	4.45E-06	1.60E-06	1.12E-06	4.52E-07
R105	3.73E-11	2.52E-06	9.07E-07	6.33E-07	2.56E-07
R106	3.41E-11	2.31E-06	8.30E-07	5.79E-07	2.34E-07

Nitrogen dioxide (NO₂)

Maximum 1-hour and annual average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)			Annual ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			164			31
R1	110.0	8.2	118.2	0.1	8.3	8.4
R2	85.2	< 0.1	85.2	< 0.1	8.3	8.3
R3	81.4	< 0.1	81.4	< 0.1	8.3	8.3
R4	66.8	< 0.1	66.8	< 0.1	8.3	8.3
R5	51.0	4.1	55.1	< 0.1	8.3	8.3
R6	61.8	8.2	70.0	< 0.1	8.3	8.3
R7	33.9	14.3	48.3	< 0.1	8.3	8.3
R8	32.5	4.1	36.6	< 0.1	8.3	8.3
R9	51.9	8.2	60.1	< 0.1	8.3	8.3
R10	57.3	10.2	67.6	< 0.1	8.3	8.3
R11	57.3	34.9	92.2	< 0.1	8.3	8.3
R12	63.7	14.3	78.0	< 0.1	8.3	8.3
R13	64.7	10.2	75.0	< 0.1	8.3	8.3
R14	106.6	4.1	110.7	0.2	8.3	8.4
R15	68.6	10.2	78.9	< 0.1	8.3	8.3
R16	36.5	4.1	40.6	< 0.1	8.3	8.3
R17	33.4	2.0	35.5	< 0.1	8.3	8.3
R18	31.9	2.0	34.0	< 0.1	8.3	8.3
R19	40.9	2.0	42.9	< 0.1	8.3	8.3
R20	38.4	< 0.1	38.4	< 0.1	8.3	8.3
R21	37.4	< 0.1	37.4	< 0.1	8.3	8.3
R22	34.5	< 0.1	34.5	< 0.1	8.3	8.3
R23	30.8	2.0	32.9	< 0.1	8.3	8.3
R24	24.9	2.0	26.9	< 0.1	8.3	8.3
R25	30.9	2.0	32.9	< 0.1	8.3	8.3
R26	19.4	22.6	41.9	< 0.1	8.3	8.3
R27	26.6	4.1	30.7	< 0.1	8.3	8.3
R28	37.1	< 0.1	37.1	< 0.1	8.3	8.3
R29	42.0	< 0.1	42.0	< 0.1	8.3	8.3
R30	39.0	< 0.1	39.0	< 0.1	8.3	8.3

Rec.	1-hour (max incr.) (µg/m³)			Annual (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	37.1	8.2	45.3	< 0.1	8.3	8.3
R32	24.9	8.2	33.1	< 0.1	8.3	8.3
R33	27.9	2.0	29.9	< 0.1	8.3	8.3
R34	29.7	2.0	31.8	< 0.1	8.3	8.3
R35	27.9	10.2	38.1	< 0.1	8.3	8.3
R36	33.9	2.0	36.0	< 0.1	8.3	8.3
R37	32.9	2.0	34.9	< 0.1	8.3	8.3
R38	49.8	2.0	51.9	< 0.1	8.3	8.3
R39	17.8	2.0	19.9	< 0.1	8.3	8.3
R40	59.8	4.1	63.9	< 0.1	8.3	8.3
R41	36.3	2.0	38.4	< 0.1	8.3	8.3
R42	33.8	< 0.1	33.8	< 0.1	8.3	8.3
R43	34.5	< 0.1	34.5	< 0.1	8.3	8.3
R44	49.5	14.3	63.9	< 0.1	8.3	8.3
R45	46.6	16.4	63.0	< 0.1	8.3	8.3
R46	56.7	8.2	64.9	< 0.1	8.3	8.3
R47	54.1	8.2	62.3	< 0.1	8.3	8.3
R48	47.0	2.0	49.1	< 0.1	8.3	8.3
R49	29.4	< 0.1	29.4	< 0.1	8.3	8.3
R50	49.5	< 0.1	49.5	< 0.1	8.3	8.3
R51	26.0	2.0	28.1	< 0.1	8.3	8.3
R52	17.6	2.0	19.7	< 0.1	8.3	8.3
R53	45.2	2.0	47.3	< 0.1	8.3	8.3
R54	30.7	8.2	38.9	< 0.1	8.3	8.3
R55	39.3	2.0	41.3	< 0.1	8.3	8.3
R56	50.3	< 0.1	50.3	< 0.1	8.3	8.3
R57	27.6	10.2	37.8	< 0.1	8.3	8.3
R58	55.2	8.2	63.4	< 0.1	8.3	8.3
R59	29.8	8.2	38.0	< 0.1	8.3	8.3
R60	22.9	6.1	29.1	< 0.1	8.3	8.3
R61	23.9	14.3	38.3	< 0.1	8.3	8.3
R62	22.3	8.2	30.5	< 0.1	8.3	8.3
R63	18.6	4.1	22.7	< 0.1	8.3	8.3
R64	43.9	12.3	56.2	< 0.1	8.3	8.3
R65	36.3	< 0.1	36.3	< 0.1	8.3	8.3

Rec.	1-hour (max incr.) (µg/m³)			Annual (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	40.2	2.0	42.3	< 0.1	8.3	8.3
R67	30.5	4.1	34.6	< 0.1	8.3	8.3
R68	34.0	4.1	38.1	< 0.1	8.3	8.3
R69	12.7	10.2	23.0	< 0.1	8.3	8.3
R70	22.2	4.1	26.3	< 0.1	8.3	8.3
R71	35.1	4.1	39.2	< 0.1	8.3	8.3
R72	39.6	4.1	43.7	< 0.1	8.3	8.3
R73	59.3	4.1	63.4	< 0.1	8.3	8.3
R74	37.1	< 0.1	37.1	< 0.1	8.3	8.3
R75	13.6	2.0	15.6	< 0.1	8.3	8.3
R76	16.8	2.0	18.8	< 0.1	8.3	8.3
R77	21.8	22.6	44.3	< 0.1	8.3	8.3
R78	22.3	30.8	53.0	< 0.1	8.3	8.3
R79	20.8	14.3	35.2	< 0.1	8.3	8.3
R80	25.4	10.2	35.7	< 0.1	8.3	8.3
R81	28.5	6.1	34.7	< 0.1	8.3	8.3
R82	20.3	11.3	31.6	< 0.1	8.3	8.3
R83	30.3	10.2	40.5	< 0.1	8.3	8.3
R84	24.6	8.2	32.8	< 0.1	8.3	8.3
R85	20.6	30.8	51.4	< 0.1	8.3	8.3
R86	19.4	12.3	31.7	< 0.1	8.3	8.3
R87	13.6	26.6	40.2	< 0.1	8.3	8.3
R88	34.5	8.2	42.7	< 0.1	8.3	8.3
R89	32.5	8.2	40.7	< 0.1	8.3	8.3
R90	37.4	12.3	49.7	< 0.1	8.3	8.3
R91	11.8	10.2	22.0	< 0.1	8.3	8.3
R92	35.3	12.3	47.6	< 0.1	8.3	8.3
R93	16.0	14.3	30.4	< 0.1	8.3	8.3
R94	20.1	30.8	50.8	< 0.1	8.3	8.3
R95	19.8	30.8	50.6	< 0.1	8.3	8.3
R96	14.1	< 0.1	14.1	< 0.1	8.3	8.3
R97	17.0	4.1	21.1	< 0.1	8.3	8.3
R98	30.2	< 0.1	30.2	< 0.1	8.3	8.3
R99	36.4	4.1	40.5	< 0.1	8.3	8.3
R100	25.6	20.5	46.1	< 0.1	8.3	8.3

Rec.	1-hour (max incr.) (µg/m³)			Annual (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	15.0	< 0.1	15.0	< 0.1	8.3	8.3
R102	30.2	2.0	32.3	< 0.1	8.3	8.3
R103	37.5	2.0	39.5	< 0.1	8.3	8.3
R104	19.4	22.6	41.9	< 0.1	8.3	8.3
R105	9.5	10.2	19.7	< 0.1	8.3	8.3
R106	31.4	4.1	35.5	< 0.1	8.3	8.3
R107	11.7	2.0	13.7	< 0.1	8.3	8.3
R108	38.3	2.0	40.3	< 0.1	8.3	8.3
R109	13.1	2.0	15.1	< 0.1	8.3	8.3
R110	36.2	< 0.1	36.2	< 0.1	8.3	8.3
R111	25.3	4.1	29.4	< 0.1	8.3	8.3
R112	38.9	2.0	40.9	< 0.1	8.3	8.3
R113	35.8	< 0.1	35.8	< 0.1	8.3	8.3
R114	14.4	6.1	20.6	< 0.1	8.3	8.3
R115	10.8	< 0.1	10.8	< 0.1	8.3	8.3
R116	10.1	4.1	14.2	< 0.1	8.3	8.3
R117	17.1	2.0	19.1	< 0.1	8.3	8.3
R118	29.9	4.1	34.0	< 0.1	8.3	8.3
R119	29.9	4.1	34.0	< 0.1	8.3	8.3
R120	34.1	2.0	36.2	< 0.1	8.3	8.3
R121	18.2	< 0.1	18.2	< 0.1	8.3	8.3
R122	23.4	< 0.1	23.4	< 0.1	8.3	8.3
R123	27.2	< 0.1	27.2	< 0.1	8.3	8.3
R124	13.1	< 0.1	13.1	< 0.1	8.3	8.3
R125	27.8	< 0.1	27.8	< 0.1	8.3	8.3
R126	8.1	2.0	10.2	< 0.1	8.3	8.3
R127	37.7	< 0.1	37.7	< 0.1	8.3	8.3
R128	16.0	< 0.1	16.0	< 0.1	8.3	8.3

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	860.5	01/10/2021 17:00	86.0	2.91	32.70	0.8	0.1	0.03	110.0	8.2	118.2
R2	734.4	19/06/2021 16:00	73.4	5.99	29.43	0.83	0.07	0.02	85.2	< 0.1	85.2
R3	673.2	14/03/2021 17:00	67.3	1.83	15.26	0.635	0.1	0.02	81.4	< 0.1	81.4
R4	568.7	19/06/2021 17:00	56.9	4.02	30.52	0.87	0.07	0.02	66.8	< 0.1	66.8
R5	451.1	08/07/2021 08:00	45.1	0.11	< 0.1	0.49	0.05	0.01	51.0	4.1	55.1
R6	545.5	02/06/2021 08:00	54.5	< 0.1	< 0.1	0.49	0.05	0.01	61.8	8.2	70.0
R7	226.1	28/05/2021 08:00	22.6	1.10	1.09	0.635	0.1	0.06	33.9	14.3	48.3
R8	212.6	07/08/2021 17:00	21.3	3.41	28.34	0.83	0.07	0.06	32.5	4.1	36.6
R9	345.4	06/09/2021 17:00	34.5	1.76	30.52	0.8	0.1	0.06	51.9	8.2	60.1
R10	432.8	28/01/2021 08:00	43.3	2.35	4.36	0.67	0.1	0.04	57.3	10.2	67.6
R11	446.6	18/03/2021 12:00	44.7	1.24	2.18	0.635	0.1	0.03	57.3	34.9	92.2
R12	508.9	29/01/2021 10:00	50.9	1.86	5.45	0.67	0.1	0.03	63.7	14.3	78.0
R13	439.1	12/01/2021 17:00	43.9	2.45	59.95	0.81	0.15	0.05	64.7	10.2	75.0
R14	843.3	24/01/2021 17:00	84.3	1.34	47.96	0.81	0.15	0.03	106.6	4.1	110.7
R15	607.5	16/06/2021 08:00	60.8	0.19	< 0.1	0.49	0.05	0.01	68.6	10.2	78.9
R16	121.8	03/08/2021 17:00	12.2	3.61	32.70	0.87	0.07	0.22	36.5	4.1	40.6
R17	76.8	04/10/2021 17:00	7.7	4.30	35.97	0.8	0.1	0.37	33.4	2.0	35.5
R18	74.0	04/10/2021 17:00	7.4	4.30	35.97	0.8	0.1	0.37	31.9	2.0	34.0
R19	141.2	21/09/2021 17:00	14.1	2.19	32.70	0.8	0.1	0.21	40.9	2.0	42.9
R20	131.6	29/05/2021 17:00	13.2	3.18	29.43	0.74	0.1	0.21	38.4	< 0.1	38.4
R21	124.0	29/05/2021 17:00	12.4	3.18	29.43	0.74	0.1	0.22	37.4	< 0.1	37.4
R22	102.9	05/05/2021 16:00	10.3	3.27	27.25	0.74	0.1	0.26	34.5	< 0.1	34.5
R23	88.6	21/09/2021 17:00	8.9	2.19	32.70	0.8	0.1	0.28	30.8	2.0	32.9
R24	70.0	21/09/2021 17:00	7.0	2.19	32.70	0.8	0.1	0.28	24.9	2.0	26.9
R25	86.3	21/09/2021 17:00	8.6	2.19	32.70	0.8	0.1	0.29	30.9	2.0	32.9
R26	68.3	28/06/2021 17:00	6.8	1.61	13.08	0.74	0.07	0.20	19.4	22.6	41.9
R27	87.8	28/07/2021 17:00	8.8	4.19	30.52	0.87	0.07	0.23	26.6	4.1	30.7
R28	120.6	05/05/2021 17:00	12.1	2.87	25.07	0.74	0.1	0.23	37.1	< 0.1	37.1
R29	148.4	14/03/2021 17:00	14.8	1.83	15.26	0.635	0.1	0.20	42.0	< 0.1	42.0
R30	137.2	14/03/2021 17:00	13.7	1.83	15.26	0.635	0.1	0.20	39.0	< 0.1	39.0
R31	162.1	06/09/2021 17:00	16.2	1.76	30.52	0.8	0.1	0.14	37.1	8.2	45.3
R32	81.1	01/10/2021 17:00	8.1	2.91	32.70	0.8	0.1	0.23	24.9	8.2	33.1

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	75.4	21/09/2021 17:00	7.5	2.19	32.70	0.8	0.1	0.30	27.9	2.0	29.9
R34	80.6	21/09/2021 17:00	8.1	2.19	32.70	0.8	0.1	0.30	29.7	2.0	31.8
R35	82.6	13/09/2021 17:00	8.3	3.22	27.25	0.74	0.1	0.26	27.9	10.2	38.1
R36	80.9	04/10/2021 17:00	8.1	4.30	35.97	0.8	0.1	0.35	33.9	2.0	36.0
R37	77.3	04/10/2021 17:00	7.7	4.30	35.97	0.8	0.1	0.36	32.9	2.0	34.9
R38	249.9	24/09/2021 17:00	25.0	3.07	43.60	0.85	0.1	0.11	49.8	2.0	51.9
R39	82.5	09/10/2021 17:00	8.3	0.40	37.06	0.8	0.1	0.13	17.8	2.0	19.9
R40	446.9	28/07/2021 17:00	44.7	4.19	30.52	0.87	0.07	0.04	59.8	4.1	63.9
R41	232.5	20/09/2021 17:00	23.3	3.12	33.79	0.8	0.1	0.06	36.3	2.0	38.4
R42	202.3	04/08/2021 17:00	20.2	2.86	31.61	0.87	0.07	0.07	33.8	< 0.1	33.8
R43	169.3	11/04/2021 17:00	16.9	3.61	26.16	0.74	0.1	0.11	34.5	< 0.1	34.5
R44	298.6	26/10/2021 17:00	29.9	2.99	37.06	0.8	0.1	0.07	49.5	14.3	63.9
R45	260.6	09/11/2021 17:00	26.1	2.75	34.88	0.8	0.1	0.09	46.6	16.4	63.0
R46	314.6	06/09/2021 17:00	31.5	1.76	30.52	0.8	0.1	0.09	56.7	8.2	64.9
R47	326.3	01/10/2021 17:00	32.6	2.91	32.70	0.8	0.1	0.07	54.1	8.2	62.3
R48	283.0	21/09/2021 17:00	28.3	2.19	32.70	0.8	0.1	0.07	47.0	2.0	49.1
R49	166.8	29/07/2021 16:00	16.7	2.36	33.79	0.87	0.07	0.08	29.4	< 0.1	29.4
R50	275.2	14/03/2021 17:00	27.5	1.83	15.26	0.635	0.1	0.09	49.5	< 0.1	49.5
R51	117.1	21/09/2021 17:00	11.7	2.19	32.70	0.8	0.1	0.14	26.0	2.0	28.1
R52	73.9	18/05/2021 08:00	7.4	0.68	1.09	0.635	0.1	0.15	17.6	2.0	19.7
R53	180.8	21/09/2021 17:00	18.1	2.19	32.70	0.8	0.1	0.17	45.2	2.0	47.3
R54	114.6	01/10/2021 17:00	11.5	2.91	32.70	0.8	0.1	0.19	30.7	8.2	38.9
R55	146.8	21/09/2021 17:00	14.7	2.19	32.70	0.8	0.1	0.19	39.3	2.0	41.3
R56	205.1	14/03/2021 17:00	20.5	1.83	15.26	0.635	0.1	0.16	50.3	< 0.1	50.3
R57	117.4	15/09/2021 17:00	11.7	3.05	29.43	0.74	0.1	0.15	27.6	10.2	37.8
R58	219.4	06/09/2021 17:00	21.9	1.76	30.52	0.8	0.1	0.17	55.2	8.2	63.4
R59	124.6	31/03/2021 17:00	12.5	2.51	33.79	0.8	0.1	0.15	29.8	8.2	38.0
R60	92.3	17/10/2021 17:00	9.2	2.47	43.60	0.85	0.1	0.16	22.9	6.1	29.1
R61	99.1	23/10/2021 17:00	9.9	2.41	65.40	0.85	0.1	0.16	23.9	14.3	38.3
R62	96.8	08/10/2021 17:00	9.7	2.19	38.15	0.8	0.1	0.15	22.3	8.2	30.5
R63	100.8	11/08/2021 17:00	10.1	2.93	32.70	0.87	0.07	0.09	18.6	4.1	22.7
R64	163.5	27/09/2021 17:00	16.4	1.52	33.79	0.8	0.1	0.19	43.9	12.3	56.2
R65	136.0	17/06/2021 16:00	13.6	3.18	28.34	0.83	0.07	0.19	36.3	< 0.1	36.3
R66	125.1	12/09/2021 17:00	12.5	3.62	45.78	0.85	0.1	0.25	40.2	2.0	42.3
R67	124.1	20/07/2021 16:00	12.4	4.27	27.25	0.83	0.07	0.16	30.5	4.1	34.6
R68	149.2	28/07/2021 17:00	14.9	4.19	30.52	0.87	0.07	0.14	34.0	4.1	38.1

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	56.6	11/09/2021 08:00	5.7	0.91	9.81	0.635	0.1	0.14	12.7	10.2	23.0
R70	113.4	27/07/2021 16:00	11.3	2.42	26.16	0.83	0.07	0.11	22.2	4.1	26.3
R71	222.7	31/07/2021 16:00	22.3	1.52	28.34	0.83	0.07	0.06	35.1	4.1	39.2
R72	217.5	25/05/2021 16:00	21.8	1.11	26.16	0.74	0.1	0.09	39.6	4.1	43.7
R73	366.3	25/05/2021 16:00	36.6	1.11	26.16	0.74	0.1	0.07	59.3	4.1	63.4
R74	181.0	25/07/2021 16:00	18.1	4.16	32.70	0.87	0.07	0.12	37.1	< 0.1	37.1
R75	44.9	20/09/2021 17:00	4.5	3.12	33.79	0.8	0.1	0.22	13.6	2.0	15.6
R76	54.3	20/09/2021 17:00	5.4	3.12	33.79	0.8	0.1	0.23	16.8	2.0	18.8
R77	119.2	30/06/2021 09:00	11.9	0.19	13.08	0.74	0.07	0.09	21.8	22.6	44.3
R78	111.2	30/04/2021 17:00	11.1	1.51	17.44	0.635	0.1	0.11	22.3	30.8	53.0
R79	81.7	23/10/2021 17:00	8.2	2.41	65.40	0.85	0.1	0.17	20.8	14.3	35.2
R80	84.9	02/09/2021 17:00	8.5	1.59	34.88	0.8	0.1	0.22	25.4	10.2	35.7
R81	107.1	17/10/2021 17:00	10.7	2.47	43.60	0.85	0.1	0.18	28.5	6.1	34.7
R82	83.3	12/10/2021 17:00	8.3	2.90	21.80	0.74	0.1	0.16	20.3	11.3	31.6
R83	113.0	16/09/2021 17:00	11.3	2.60	30.52	0.8	0.1	0.19	30.3	10.2	40.5
R84	94.8	31/03/2021 17:00	9.5	2.51	33.79	0.8	0.1	0.18	24.6	8.2	32.8
R85	94.2	30/04/2021 17:00	9.4	1.51	17.44	0.635	0.1	0.13	20.6	30.8	51.4
R86	91.9	22/03/2021 16:00	9.2	1.07	14.17	0.635	0.1	0.12	19.4	12.3	31.7
R87	65.6	30/06/2021 10:00	6.6	0.40	13.08	0.74	0.07	0.12	13.6	26.6	40.2
R88	132.7	08/10/2021 17:00	13.3	2.19	38.15	0.8	0.1	0.18	34.5	8.2	42.7
R89	119.5	08/10/2021 17:00	12.0	2.19	38.15	0.8	0.1	0.19	32.5	8.2	40.7
R90	123.1	27/09/2021 17:00	12.3	1.52	33.79	0.8	0.1	0.23	37.4	12.3	49.7
R91	44.6	01/05/2021 17:00	4.5	1.04	26.16	0.74	0.1	0.18	11.8	10.2	22.0
R92	122.9	27/09/2021 17:00	12.3	1.52	33.79	0.8	0.1	0.21	35.3	12.3	47.6
R93	57.8	23/10/2021 17:00	5.8	2.41	65.40	0.85	0.1	0.20	16.0	14.3	30.4
R94	83.7	30/04/2021 17:00	8.4	1.51	17.44	0.635	0.1	0.16	20.1	30.8	50.8
R95	78.2	30/04/2021 17:00	7.8	1.51	17.44	0.635	0.1	0.17	19.8	30.8	50.6
R96	54.1	19/06/2021 17:00	5.4	4.02	30.52	0.87	0.07	0.18	14.1	< 0.1	14.1
R97	64.7	07/08/2021 17:00	6.5	3.41	28.34	0.83	0.07	0.18	17.0	4.1	21.1
R98	108.1	19/06/2021 17:00	10.8	4.02	30.52	0.87	0.07	0.20	30.2	< 0.1	30.2
R99	122.3	14/09/2021 17:00	12.2	2.78	30.52	0.8	0.1	0.22	36.4	4.1	40.5
R100	102.0	11/05/2021 16:00	10.2	1.18	13.08	0.635	0.1	0.17	25.6	20.5	46.1
R101	51.5	19/06/2021 17:00	5.2	4.02	30.52	0.87	0.07	0.21	15.0	< 0.1	15.0
R102	96.9	21/09/2021 17:00	9.7	2.19	32.70	0.8	0.1	0.24	30.2	2.0	32.3
R103	112.2	21/09/2021 17:00	11.2	2.19	32.70	0.8	0.1	0.26	37.5	2.0	39.5
R104	70.0	28/06/2021 17:00	7.0	1.61	13.08	0.74	0.07	0.20	19.4	22.6	41.9

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	34.7	11/09/2021 08:00	3.5	0.91	9.81	0.635	0.1	0.19	9.5	10.2	19.7
R106	115.4	28/07/2021 17:00	11.5	4.19	30.52	0.87	0.07	0.19	31.4	4.1	35.5
R107	38.5	09/10/2021 17:00	3.8	0.40	37.06	0.8	0.1	0.23	11.7	2.0	13.7
R108	109.2	24/09/2021 17:00	10.9	3.07	43.60	0.85	0.1	0.28	38.3	2.0	40.3
R109	45.6	19/07/2021 17:00	4.6	0.63	22.89	0.83	0.07	0.21	13.1	2.0	15.1
R110	108.8	25/07/2021 17:00	10.9	3.06	32.70	0.87	0.07	0.26	36.2	< 0.1	36.2
R111	91.6	20/07/2021 16:00	9.2	4.27	27.25	0.83	0.07	0.20	25.3	4.1	29.4
R112	107.8	04/10/2021 17:00	10.8	4.30	35.97	0.8	0.1	0.29	38.9	2.0	40.9
R113	95.9	19/09/2021 17:00	9.6	3.36	33.79	0.8	0.1	0.30	35.8	< 0.1	35.8
R114	44.2	20/08/2021 17:00	4.4	1.44	33.79	0.87	0.07	0.25	14.4	6.1	20.6
R115	37.0	15/07/2021 17:00	3.7	1.09	27.25	0.83	0.07	0.21	10.8	< 0.1	10.8
R116	32.5	28/07/2021 17:00	3.3	4.19	30.52	0.87	0.07	0.24	10.1	4.1	14.2
R117	40.7	11/09/2021 17:00	4.1	2.26	43.60	0.85	0.1	0.36	17.1	2.0	19.1
R118	84.6	03/08/2021 17:00	8.5	3.61	32.70	0.87	0.07	0.28	29.9	4.1	34.0
R119	124.3	20/07/2021 16:00	12.4	4.27	27.25	0.83	0.07	0.16	29.9	4.1	34.0
R120	83.1	04/10/2021 17:00	8.3	4.30	35.97	0.8	0.1	0.35	34.1	2.0	36.2
R121	57.1	22/04/2021 17:00	5.7	2.28	28.34	0.74	0.1	0.24	18.2	< 0.1	18.2
R122	71.4	15/05/2021 17:00	7.1	2.62	27.25	0.74	0.1	0.25	23.4	< 0.1	23.4
R123	84.5	04/08/2021 17:00	8.5	2.86	31.61	0.87	0.07	0.25	27.2	< 0.1	27.2
R124	33.8	05/10/2021 17:00	3.4	4.64	32.70	0.8	0.1	0.32	13.1	< 0.1	13.1
R125	77.8	05/09/2021 17:00	7.8	3.41	28.34	0.74	0.1	0.29	27.8	< 0.1	27.8
R126	22.3	01/08/2021 17:00	2.2	1.80	33.79	0.87	0.07	0.29	8.1	2.0	10.2
R127	180.8	14/03/2021 17:00	18.1	1.83	15.26	0.635	0.1	0.12	37.7	< 0.1	37.7
R128	77.4	19/06/2021 17:00	7.7	4.02	30.52	0.87	0.07	0.12	16.0	< 0.1	16.0

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R14				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
03/09/2021	6.3	19.8	26.1	04/05/2021	1.0	54.9	55.9
18/12/2021	6.2	18.4	24.6	20/04/2021	< 0.1	46.2	46.2
17/09/2021	5.0	14.8	19.8	29/04/2021	1.0	36.0	37.0
06/02/2021	4.6	13.6	18.2	28/10/2021	< 0.1	36.6	36.6
25/05/2021	4.5	9.6	14.1	18/01/2021	0.4	35.8	36.2
14/10/2021	4.1	11.6	15.7	02/09/2021	< 0.1	36.0	36.0
11/02/2021	4.0	24.0	28.0	27/04/2021	0.6	35.4	36.0
03/07/2021	3.8	10.6	14.4	10/09/2021	0.3	35.5	35.8
24/01/2021	3.8	25.4	29.2	02/03/2021	1.1	33.8	34.9
21/01/2021	3.6	21.7	25.3	21/08/2021	< 0.1	34.6	34.6

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/06/2021	4.7	7.6	12.3	04/05/2021	1.0	54.9	55.9
29/05/2021	3.7	9.3	13.0	20/04/2021	< 0.1	46.2	46.2
21/07/2021	2.8	8.0	10.8	29/04/2021	1.0	36.0	37.0
10/07/2021	2.7	7.9	10.6	28/10/2021	< 0.1	36.6	36.6
21/09/2021	2.5	13.5	16.0	18/01/2021	0.5	35.8	36.3
12/04/2021	2.3	16.9	19.2	02/09/2021	< 0.1	36.0	36.0
30/05/2021	2.3	8.1	10.4	27/04/2021	0.6	35.4	36.0
28/05/2021	2.2	14.3	16.5	10/09/2021	0.3	35.5	35.8
11/12/2021	2.2	8.1	10.3	02/03/2021	0.8	33.8	34.6
21/04/2021	2.0	14.9	16.9	21/08/2021	< 0.1	34.6	34.6

Highest incremental PM ₁₀ impact – Receptor R4				Highest cumulative PM ₁₀ impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/06/2021	4.5	7.6	12.1	04/05/2021	0.8	54.9	55.7
29/05/2021	2.9	9.3	12.2	20/04/2021	< 0.1	46.2	46.2
10/07/2021	2.5	7.9	10.4	29/04/2021	0.9	36.0	36.9
21/07/2021	2.4	8.0	10.4	28/10/2021	< 0.1	36.6	36.6
12/04/2021	2.4	16.9	19.3	18/01/2021	0.3	35.8	36.1
12/08/2021	2.1	10.6	12.7	02/09/2021	< 0.1	36.0	36.0
21/09/2021	2.0	13.5	15.5	27/04/2021	0.5	35.4	35.9
30/05/2021	1.9	8.1	10.0	10/09/2021	0.2	35.5	35.7
28/08/2021	1.8	11.1	12.9	02/03/2021	0.9	33.8	34.7
21/04/2021	1.8	14.9	16.7	21/08/2021	< 0.1	34.6	34.6

Highest incremental PM ₁₀ impact – Receptor R3				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/06/2021	4.1	7.6	11.7	04/05/2021	0.6	54.9	55.5
29/05/2021	3.4	9.3	12.7	20/04/2021	< 0.1	46.2	46.2
21/07/2021	2.4	8.0	10.4	28/10/2021	< 0.1	36.6	36.7
10/07/2021	2.4	7.9	10.3	29/04/2021	0.2	36.0	36.2
30/05/2021	2.2	8.1	10.3	02/09/2021	< 0.1	36.0	36.0
11/12/2021	2.2	8.1	10.3	10/09/2021	0.5	35.5	36.0
21/09/2021	2.1	13.5	15.6	18/01/2021	< 0.1	35.8	35.8
07/05/2021	2.0	8.0	10.0	27/04/2021	0.3	35.4	35.7
12/04/2021	2.0	16.9	18.9	02/03/2021	1.1	33.8	34.9
28/05/2021	1.9	14.3	16.2	21/08/2021	< 0.1	34.6	34.6

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
13/02/2021	3.8	11.1	14.9	04/05/2021	0.5	54.9	55.4
21/11/2021	3.6	6.6	10.2	20/04/2021	< 0.1	46.2	46.2
22/11/2021	3.2	18.0	21.2	28/10/2021	< 0.1	36.6	36.6
23/02/2021	3.1	21.3	24.4	29/04/2021	0.3	36.0	36.3
31/01/2021	3.1	17.5	20.6	18/01/2021	0.2	35.8	36.0
01/01/2021	3.1	12.1	15.2	02/09/2021	< 0.1	36.0	36.0
28/12/2021	3.1	10.1	13.2	10/09/2021	0.3	35.5	35.8
07/01/2021	3.1	11.0	14.1	27/04/2021	0.1	35.4	35.5
19/01/2021	3.0	30.0	33.0	21/08/2021	< 0.1	34.6	34.6
27/12/2021	3.0	11.2	14.2	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/02/2021	3.6	13.4	17.0	04/05/2021	0.4	54.9	55.3
21/03/2021	3.2	12.3	15.5	20/04/2021	< 0.1	46.2	46.2
29/01/2021	3.2	8.2	11.4	28/10/2021	< 0.1	36.6	36.6
22/03/2021	2.8	5.9	8.7	29/04/2021	0.6	36.0	36.6
10/03/2021	2.6	21.1	23.7	02/09/2021	< 0.1	36.0	36.0
02/11/2021	2.5	19.1	21.6	18/01/2021	0.2	35.8	36.0
23/11/2021	2.3	13.2	15.5	27/04/2021	0.4	35.4	35.8
09/11/2021	2.1	13.4	15.5	10/09/2021	0.1	35.5	35.6
24/12/2021	2.0	13.5	15.5	21/08/2021	< 0.1	34.6	34.6
17/11/2021	1.9	21.5	23.4	02/03/2021	0.3	33.8	34.1

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R9			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
18/03/2021	2.9	9.1	12.0	04/05/2021	0.3	54.9	55.2
11/11/2021	2.7	14.5	17.2	20/04/2021	< 0.1	46.2	46.2
19/03/2021	2.5	13.8	16.3	28/10/2021	< 0.1	36.6	36.6
20/03/2021	2.4	9.9	12.3	29/04/2021	< 0.1	36.0	36.0
17/03/2021	2.4	13.5	15.9	02/09/2021	< 0.1	36.0	36.0
22/12/2021	2.1	15.1	17.2	18/01/2021	< 0.1	35.8	35.8
18/02/2021	2.0	13.9	15.9	10/09/2021	0.2	35.5	35.7
28/01/2021	1.9	16.0	17.9	27/04/2021	< 0.1	35.4	35.5
24/02/2021	1.8	15.2	17.0	21/08/2021	< 0.1	34.6	34.6
05/04/2021	1.8	25.8	27.6	02/03/2021	0.7	33.8	34.5

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R7			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
28/01/2021	2.7	16.0	18.7	04/05/2021	0.3	54.9	55.2
19/03/2021	2.7	13.8	16.5	20/04/2021	< 0.1	46.2	46.2
16/02/2021	2.6	9.9	12.5	28/10/2021	< 0.1	36.6	36.6
05/12/2021	2.3	14.7	17.0	29/04/2021	0.3	36.0	36.3
16/12/2021	2.2	20.0	22.1	02/09/2021	< 0.1	36.0	36.0
18/03/2021	2.1	9.1	11.2	18/01/2021	0.1	35.8	35.9
09/02/2021	2.1	19.8	21.9	10/09/2021	0.1	35.5	35.6
08/11/2021	2.0	11.1	13.1	27/04/2021	0.1	35.4	35.5
17/02/2021	1.9	14.1	16.0	21/08/2021	< 0.1	34.6	34.6
01/01/2021	1.9	12.1	14.0	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R13				Highest cumulative PM ₁₀ impact – Receptor R47			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/11/2021	2.5	9.8	12.3	04/05/2021	0.3	54.9	55.2
22/03/2021	2.3	5.9	8.2	20/04/2021	< 0.1	46.2	46.2
17/11/2021	2.0	21.5	23.5	28/10/2021	< 0.1	36.6	36.6
03/11/2021	1.9	17.8	19.7	29/04/2021	< 0.1	36.0	36.0
17/12/2021	1.9	19.2	21.0	02/09/2021	< 0.1	36.0	36.0
20/02/2021	1.8	11.4	13.2	18/01/2021	< 0.1	35.8	35.8
30/11/2021	1.8	26.0	27.8	10/09/2021	< 0.1	35.5	35.6
13/10/2021	1.7	10.2	11.9	27/04/2021	< 0.1	35.4	35.5
13/01/2021	1.7	19.0	20.7	21/08/2021	< 0.1	34.6	34.6
23/03/2021	1.7	4.1	5.8	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R15				Highest cumulative PM ₁₀ impact – Receptor R8			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/08/2021	2.4	32.0	34.4	04/05/2021	0.2	54.9	55.1
23/06/2021	2.2	7.8	10.0	20/04/2021	< 0.1	46.2	46.2
03/09/2021	2.1	19.8	21.9	28/10/2021	< 0.1	36.6	36.6
31/07/2021	2.0	23.1	25.1	29/04/2021	0.2	36.0	36.2
18/12/2021	1.9	18.4	20.2	02/09/2021	< 0.1	36.0	36.0
25/05/2021	1.8	9.6	11.4	18/01/2021	< 0.1	35.8	35.9
13/03/2021	1.8	14.5	16.3	10/09/2021	< 0.1	35.5	35.6
24/06/2021	1.7	8.3	10.0	27/04/2021	0.1	35.4	35.5
07/06/2021	1.7	12.2	13.9	21/08/2021	< 0.1	34.6	34.6
17/09/2021	1.6	14.8	16.4	20/08/2021	< 0.1	34.1	34.1

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R14				Highest cumulative PM _{2.5} impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
03/09/2021	6.3	6.7	13.0	04/05/2021	1.0	40.3	41.3
18/12/2021	6.2	3.7	9.9	29/04/2021	1.0	21.8	22.8
17/09/2021	5.0	4.6	9.6	23/04/2021	0.9	19.5	20.4
06/02/2021	4.6	6.5	11.1	20/08/2021	< 0.1	19.2	19.2
25/05/2021	4.5	6.4	10.9	10/10/2021	0.5	16.9	17.4
14/10/2021	4.1	3.4	7.5	15/08/2021	< 0.1	16.1	16.1
11/02/2021	4.0	9.5	13.5	03/05/2021	< 0.1	14.9	14.9
03/07/2021	3.8	6.6	10.4	14/08/2021	0.4	14.3	14.7
24/01/2021	3.8	10.2	14.0	23/08/2021	< 0.1	14.7	14.7
21/01/2021	3.6	8.7	12.3	30/04/2021	0.6	13.7	14.3

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/06/2021	4.7	2.4	7.1	04/05/2021	1.0	40.3	41.3
29/05/2021	3.7	3.4	7.1	29/04/2021	1.0	21.8	22.8
21/07/2021	2.8	2.5	5.3	23/04/2021	1.2	19.5	20.7
10/07/2021	2.7	4.1	6.8	20/08/2021	< 0.1	19.2	19.2
21/09/2021	2.5	3.1	5.6	10/10/2021	0.4	16.9	17.3
12/04/2021	2.3	3.6	5.9	15/08/2021	< 0.1	16.1	16.1
30/05/2021	2.3	2.3	4.6	03/05/2021	< 0.1	14.9	14.9
28/05/2021	2.2	4.9	7.1	14/08/2021	0.5	14.3	14.8
11/12/2021	2.2	2.1	4.3	23/08/2021	< 0.1	14.7	14.7
21/04/2021	2.0	5.8	7.8	30/04/2021	0.6	13.7	14.3

Highest incremental PM _{2.5} impact – Receptor R4				Highest cumulative PM _{2.5} impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/06/2021	4.5	2.4	6.9	04/05/2021	0.8	40.3	41.1
29/05/2021	2.9	3.4	6.3	29/04/2021	0.9	21.8	22.7
10/07/2021	2.5	4.1	6.6	23/04/2021	0.7	19.5	20.2
21/07/2021	2.4	2.5	4.9	20/08/2021	< 0.1	19.2	19.2
12/04/2021	2.4	3.6	6.0	10/10/2021	0.4	16.9	17.3
12/08/2021	2.1	3.6	5.7	15/08/2021	< 0.1	16.1	16.1
21/09/2021	2.0	3.1	5.1	03/05/2021	< 0.1	14.9	14.9
30/05/2021	1.9	2.3	4.2	23/08/2021	< 0.1	14.7	14.7
28/08/2021	1.8	5.3	7.1	14/08/2021	0.4	14.3	14.7
21/04/2021	1.8	5.8	7.6	30/04/2021	0.4	13.7	14.1

Highest incremental PM _{2.5} impact – Receptor R3				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/06/2021	4.1	2.4	6.5	04/05/2021	0.6	40.3	40.9
29/05/2021	3.4	3.4	6.8	29/04/2021	0.2	21.8	22.0
21/07/2021	2.4	2.5	4.9	23/04/2021	< 0.1	19.5	19.5
10/07/2021	2.4	4.1	6.5	20/08/2021	< 0.1	19.2	19.2
30/05/2021	2.2	2.3	4.5	10/10/2021	1.0	16.9	17.9
11/12/2021	2.2	2.1	4.3	19/01/2021	3.0	13.8	16.8
21/09/2021	2.1	3.1	5.2	15/08/2021	< 0.1	16.1	16.1
07/05/2021	2.0	4.5	6.5	03/05/2021	< 0.1	14.9	14.9
12/04/2021	2.0	3.6	5.6	23/08/2021	< 0.1	14.7	14.7
28/05/2021	1.9	4.9	6.8	14/08/2021	0.1	14.3	14.4

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
13/02/2021	3.8	6.2	10.0	04/05/2021	0.5	40.3	40.8
21/11/2021	3.6	1.9	5.5	29/04/2021	0.3	21.8	22.1
22/11/2021	3.2	4.4	7.6	23/04/2021	1.1	19.5	20.6
23/02/2021	3.1	5.3	8.4	20/08/2021	< 0.1	19.2	19.2
31/01/2021	3.1	8.1	11.2	10/10/2021	0.1	16.9	17.0
01/01/2021	3.1	1.7	4.8	15/08/2021	0.3	16.1	16.4
28/12/2021	3.1	1.2	4.3	03/05/2021	< 0.1	14.9	14.9
07/01/2021	3.1	2.7	5.8	23/08/2021	< 0.1	14.7	14.7
19/01/2021	3.0	13.8	16.8	14/08/2021	0.1	14.3	14.4
27/12/2021	3.0	2.0	5.0	22/04/2021	1.0	13.4	14.4

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/02/2021	3.6	2.9	6.5	04/05/2021	0.4	40.3	40.7
21/03/2021	3.2	4.9	8.1	29/04/2021	0.6	21.8	22.4
29/01/2021	3.2	4.3	7.5	23/04/2021	0.8	19.5	20.3
22/03/2021	2.8	2.4	5.2	20/08/2021	< 0.1	19.2	19.2
10/03/2021	2.6	4.9	7.5	10/10/2021	0.2	16.9	17.1
02/11/2021	2.5	3.5	6.0	15/08/2021	< 0.1	16.1	16.1
23/11/2021	2.3	3.8	6.1	03/05/2021	< 0.1	14.9	14.9
09/11/2021	2.1	4.4	6.5	23/08/2021	< 0.1	14.7	14.7
24/12/2021	2.0	5.9	7.9	14/08/2021	0.3	14.3	14.6
17/11/2021	1.9	4.5	6.4	21/08/2021	< 0.1	13.8	13.8

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R9			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
18/03/2021	2.9	2.5	5.4	04/05/2021	0.3	40.3	40.6
11/11/2021	2.7	3.6	6.3	29/04/2021	< 0.1	21.8	21.8
19/03/2021	2.5	2.9	5.4	23/04/2021	< 0.1	19.5	19.5
20/03/2021	2.4	1.5	3.9	20/08/2021	< 0.1	19.2	19.2
17/03/2021	2.4	3.3	5.7	10/10/2021	0.3	16.9	17.2
22/12/2021	2.1	4.4	6.5	15/08/2021	< 0.1	16.1	16.1
18/02/2021	2.0	3.9	5.9	19/01/2021	1.7	13.8	15.5
28/01/2021	1.9	8.3	10.2	03/05/2021	< 0.1	14.9	14.9
24/02/2021	1.8	3.6	5.4	23/08/2021	< 0.1	14.7	14.7
05/04/2021	1.8	10.2	12.0	14/08/2021	< 0.1	14.3	14.4

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R7			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
28/01/2021	2.7	8.3	11.0	04/05/2021	0.3	40.3	40.6
19/03/2021	2.7	2.9	5.6	29/04/2021	0.3	21.8	22.1
16/02/2021	2.6	5.7	8.3	23/04/2021	0.9	19.5	20.4
05/12/2021	2.3	4.3	6.6	20/08/2021	< 0.1	19.2	19.2
16/12/2021	2.2	6.6	8.8	10/10/2021	< 0.1	16.9	17.0
18/03/2021	2.1	2.5	4.6	15/08/2021	< 0.1	16.1	16.1
09/02/2021	2.1	8.3	10.4	03/05/2021	< 0.1	14.9	14.9
08/11/2021	2.0	5.0	7.0	23/08/2021	< 0.1	14.7	14.7
17/02/2021	1.9	4.8	6.7	14/08/2021	0.1	14.3	14.4
01/01/2021	1.9	1.7	3.6	22/04/2021	0.7	13.4	14.1

Highest incremental PM _{2.5} impact – Receptor R13				Highest cumulative PM _{2.5} impact – Receptor R47			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/11/2021	2.5	3.7	6.2	04/05/2021	0.3	40.3	40.6
22/03/2021	2.3	2.4	4.7	29/04/2021	< 0.1	21.8	21.8
17/11/2021	2.0	4.5	6.5	23/04/2021	< 0.1	19.5	19.5
03/11/2021	1.9	2.7	4.6	20/08/2021	< 0.1	19.2	19.2
17/12/2021	1.9	5.1	7.0	10/10/2021	0.2	16.9	17.1
20/02/2021	1.8	2.0	3.8	15/08/2021	< 0.1	16.1	16.1
30/11/2021	1.8	6.7	8.5	03/05/2021	< 0.1	14.9	14.9
13/10/2021	1.7	3.4	5.1	23/08/2021	< 0.1	14.7	14.7
13/01/2021	1.7	3.3	5.0	19/01/2021	0.8	13.8	14.6
23/03/2021	1.7	< 0.1	1.7	14/08/2021	< 0.1	14.3	14.3

Highest incremental PM _{2.5} impact – Receptor R15				Highest cumulative PM _{2.5} impact – Receptor R8			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/08/2021	2.4	12.2	14.6	04/05/2021	0.2	40.3	40.5
23/06/2021	2.2	5.6	7.8	29/04/2021	0.2	21.8	22.0
03/09/2021	2.1	6.7	8.8	23/04/2021	0.7	19.5	20.2
31/07/2021	2.0	10.6	12.6	20/08/2021	< 0.1	19.2	19.2
18/12/2021	1.9	3.7	5.5	10/10/2021	< 0.1	16.9	17.0
25/05/2021	1.8	6.4	8.2	15/08/2021	< 0.1	16.1	16.1
13/03/2021	1.8	6.8	8.6	03/05/2021	< 0.1	14.9	14.9
24/06/2021	1.7	3.7	5.4	23/08/2021	< 0.1	14.7	14.7
07/06/2021	1.7	6.9	8.6	14/08/2021	0.1	14.3	14.4
17/09/2021	1.6	4.6	6.2	22/04/2021	0.4	13.4	13.8

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	3.8	3.8
R2	4.7	4.7
R3	4.1	4.1
R4	4.5	4.5
R5	2.0	2.0
R6	2.1	2.1
R7	1.2	1.2
R8	1.0	1.0
R9	1.7	1.7
R10	2.7	2.7
R11	2.9	2.9
R12	3.6	3.6
R13	2.5	2.5
R14	6.3	6.3
R15	2.4	2.4
R16	0.2	0.2
R17	0.1	0.1
R18	0.1	0.1
R19	0.2	0.2
R20	0.3	0.3
R21	0.2	0.2
R22	0.2	0.2
R23	0.1	0.1
R24	0.1	0.1
R25	0.1	0.1
R26	0.2	0.2
R27	0.1	0.1
R28	0.3	0.3
R29	0.2	0.2
R30	0.2	0.2
R31	0.3	0.3

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	0.2	0.2
R33	0.1	0.1
R34	0.1	0.1
R35	0.1	0.1
R36	0.1	0.1
R37	0.1	0.1
R38	0.7	0.7
R39	0.3	0.3
R40	1.3	1.3
R41	1.0	1.0
R42	0.7	0.7
R43	0.6	0.6
R44	1.4	1.4
R45	1.2	1.2
R46	0.8	0.8
R47	1.3	1.3
R48	1.6	1.6
R49	0.5	0.5
R50	0.6	0.6
R51	0.4	0.4
R52	0.2	0.2
R53	0.3	0.3
R54	0.3	0.3
R55	0.2	0.2
R56	0.3	0.3
R57	0.3	0.3
R58	0.3	0.3
R59	0.4	0.4
R60	0.5	0.5
R61	0.3	0.3
R62	0.3	0.3
R63	0.3	0.3
R64	0.3	0.3
R65	0.3	0.3
R66	0.2	0.2
R67	0.3	0.3

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	0.3	0.3
R69	0.2	0.2
R70	0.4	0.4
R71	1.1	1.1
R72	1.2	1.2
R73	1.5	1.5
R74	0.6	0.6
R75	0.2	0.2
R76	0.2	0.2
R77	0.3	0.3
R78	0.5	0.5
R79	0.3	0.3
R80	0.2	0.2
R81	0.4	0.4
R82	0.2	0.2
R83	0.2	0.2
R84	0.2	0.2
R85	0.4	0.4
R86	0.4	0.4
R87	0.2	0.2
R88	0.3	0.3
R89	0.2	0.2
R90	0.2	0.2
R91	0.2	0.2
R92	0.2	0.2
R93	0.2	0.2
R94	0.3	0.3
R95	0.2	0.2
R96	0.1	0.1
R97	0.1	0.1
R98	0.3	0.3
R99	0.3	0.3
R100	0.2	0.2
R101	0.1	0.1
R102	0.2	0.2
R103	0.1	0.1

Rec.	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)
R104	0.2	0.2
R105	< 0.1	< 0.1
R106	0.2	0.2
R107	< 0.1	< 0.1
R108	0.2	0.2
R109	0.1	0.1
R110	0.3	0.3
R111	0.1	0.1
R112	0.1	0.1
R113	0.2	0.2
R114	0.1	0.1
R115	< 0.1	< 0.1
R116	< 0.1	< 0.1
R117	< 0.1	< 0.1
R118	0.2	0.2
R119	0.2	0.2
R120	0.1	0.1
R121	0.1	0.1
R122	0.2	0.2
R123	0.2	0.2
R124	< 0.1	< 0.1
R125	0.1	0.1
R126	< 0.1	< 0.1
R127	0.5	0.5
R128	0.3	0.3

Particulate matter – annual averages

Annual average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	PM2.5 ($\mu\text{g}/\text{m}^3$)			PM10 ($\mu\text{g}/\text{m}^3$)			TSP ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			8			25			90
R1	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.6
R2	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R3	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R4	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R5	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R6	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R7	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R8	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R9	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R10	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R11	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R12	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R13	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R14	< 0.1	5.8	5.8	< 0.1	16.3	16.4	< 0.1	33.5	33.6
R15	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R16	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R17	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R18	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R19	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R20	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R21	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R22	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R23	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R24	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R25	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R26	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R27	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R28	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R29	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R30	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Rec.	PM2.5 (µg/m³)			PM10 (µg/m³)			TSP (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R32	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R33	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R34	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R35	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R36	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R37	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R38	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R39	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R40	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R41	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R42	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R43	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R44	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R45	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R46	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R47	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R48	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R49	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R50	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R51	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R52	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R53	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R54	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R55	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R56	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R57	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R58	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R59	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R60	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R61	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R62	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R63	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R64	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R65	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Rec.	PM2.5 (µg/m³)			PM10 (µg/m³)			TSP (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R67	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R68	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R69	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R70	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R71	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R72	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R73	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R74	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R75	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R76	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R77	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R78	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R79	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R80	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R81	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R82	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R83	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R84	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R85	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R86	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R87	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R88	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R89	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R90	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R91	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R92	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R93	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R94	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R95	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R96	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R97	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R98	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R99	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R100	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Rec.	PM2.5 (µg/m³)			PM10 (µg/m³)			TSP (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R102	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R103	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R104	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R105	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R106	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R107	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R108	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R109	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R110	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R111	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R112	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R113	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R114	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R115	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R116	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R117	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R118	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R119	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R120	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R121	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R122	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R123	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R124	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R125	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R126	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R127	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R128	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R2	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R3	0.2	< 0.1	0.2	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R4	0.2	0.5	0.7	0.2	0.4	0.5	0.1	< 0.1	0.1
R5	0.2	0.7	0.8	0.1	0.5	0.6	< 0.1	< 0.1	< 0.1
R6	0.2	0.8	1.0	0.1	0.6	0.8	< 0.1	0.2	0.2
R7	< 0.1	0.8	0.9	< 0.1	0.6	0.7	< 0.1	< 0.1	< 0.1
R8	< 0.1	0.7	0.7	< 0.1	0.5	0.6	< 0.1	< 0.1	< 0.1
R9	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R10	0.2	< 0.1	0.2	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R11	0.2	0.2	0.3	0.1	0.1	0.2	< 0.1	0.1	0.2
R12	0.2	< 0.1	0.3	0.1	< 0.1	0.2	0.1	< 0.1	0.1
R13	0.2	< 0.1	0.2	0.1	< 0.1	0.1	< 0.1	< 0.1	0.1
R14	0.3	0.2	0.5	0.2	0.1	0.4	0.2	0.1	0.3
R15	0.2	0.3	0.5	0.2	0.2	0.4	< 0.1	< 0.1	0.2
R16	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R17	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R18	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R19	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R20	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R21	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R22	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R23	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R24	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R25	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R27	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R28	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R29	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R30	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R32	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R33	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R34	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R35	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R36	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R37	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R38	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R39	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.3
R40	0.2	0.7	0.8	0.1	0.5	0.6	< 0.1	< 0.1	< 0.1
R41	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R42	< 0.1	< 0.1	0.2	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R43	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R44	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R45	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R46	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R47	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R48	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R49	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R50	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R51	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R52	< 0.1	0.8	0.9	< 0.1	0.6	0.7	< 0.1	< 0.1	< 0.1
R53	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R54	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R55	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R56	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R57	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R58	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R59	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R60	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R61	< 0.1	0.2	0.2	< 0.1	0.1	0.2	< 0.1	< 0.1	< 0.1
R62	< 0.1	0.2	0.2	< 0.1	0.1	0.2	< 0.1	0.1	0.2
R63	< 0.1	0.3	0.4	< 0.1	0.2	0.3	< 0.1	< 0.1	< 0.1
R64	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R65	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R67	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R68	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R69	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R70	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R71	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R72	< 0.1	0.2	0.2	< 0.1	0.1	0.2	< 0.1	< 0.1	0.1
R73	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1
R74	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R75	< 0.1	0.3	0.3	< 0.1	0.2	0.3	< 0.1	0.2	0.2
R76	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R77	< 0.1	0.2	0.2	< 0.1	0.1	0.2	< 0.1	< 0.1	< 0.1
R78	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R79	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R80	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R81	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R82	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R83	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R84	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R85	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R86	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R87	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R88	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R89	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R90	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R91	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R92	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R93	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R94	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R95	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R96	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R97	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R98	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R99	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R102	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R104	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R105	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	0.1	0.1
R106	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R107	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R108	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R109	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R110	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R111	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R112	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R113	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R114	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.3
R115	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R116	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R117	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R118	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R119	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R120	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R121	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R122	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R123	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R124	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R125	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R126	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R127	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R128	< 0.1	0.8	0.9	< 0.1	0.6	0.6	< 0.1	0.3	0.3

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	0.3	2.9	3.1	< 0.1	0.2	0.3
R2	0.2	< 0.1	0.2	< 0.1	0.5	0.5
R3	0.2	< 0.1	0.2	< 0.1	0.5	0.5
R4	0.2	2.9	3.1	< 0.1	0.5	0.5
R5	0.2	2.9	3.0	< 0.1	0.5	0.5
R6	0.2	2.9	3.0	< 0.1	< 0.1	< 0.1
R7	< 0.1	2.9	2.9	< 0.1	1.0	1.0
R8	< 0.1	2.9	2.9	< 0.1	1.0	1.0
R9	0.1	< 0.1	0.1	< 0.1	1.5	1.6
R10	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R11	0.1	2.9	3.0	< 0.1	0.6	0.6
R12	0.2	1.4	1.6	< 0.1	0.1	0.2
R13	0.2	< 0.1	0.2	< 0.1	0.2	0.3
R14	0.3	< 0.1	0.3	< 0.1	8.2	8.3
R15	0.2	< 0.1	0.2	< 0.1	0.6	0.6
R16	< 0.1	< 0.1	< 0.1	< 0.1	1.1	1.1
R17	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R18	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R19	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R20	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R21	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R22	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R23	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R24	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R25	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R26	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R27	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R28	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R29	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R30	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	< 0.1	< 0.1	< 0.1	< 0.1	1.5	1.6
R32	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R33	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R34	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R35	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R36	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R37	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R38	< 0.1	< 0.1	< 0.1	< 0.1	1.0	1.0
R39	< 0.1	< 0.1	< 0.1	< 0.1	1.4	1.4
R40	0.2	5.7	5.9	< 0.1	3.5	3.5
R41	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R42	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R43	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R44	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R45	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R46	0.1	< 0.1	0.1	< 0.1	0.4	0.4
R47	0.1	2.9	3.0	< 0.1	< 0.1	< 0.1
R48	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R49	< 0.1	< 0.1	< 0.1	< 0.1	1.0	1.0
R50	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R51	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R52	< 0.1	2.9	2.9	< 0.1	1.0	1.0
R53	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R54	< 0.1	2.9	2.9	< 0.1	1.8	1.8
R55	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R56	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R57	< 0.1	< 0.1	< 0.1	< 0.1	1.5	1.6
R58	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R59	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R60	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R61	< 0.1	11.4	11.5	< 0.1	0.4	0.4
R62	< 0.1	< 0.1	< 0.1	< 0.1	1.7	1.7
R63	< 0.1	2.9	2.9	< 0.1	1.9	1.9
R64	< 0.1	2.9	2.9	< 0.1	1.3	1.3
R65	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4

Rec.	1-hour (µg/m³)			24-hour (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	< 0.1	< 0.1	< 0.1	< 0.1	1.1	1.1
R67	< 0.1	2.9	2.9	< 0.1	1.2	1.2
R68	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R69	< 0.1	2.9	2.9	< 0.1	1.9	1.9
R70	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R71	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.3
R72	< 0.1	< 0.1	< 0.1	< 0.1	3.7	3.7
R73	0.1	< 0.1	0.1	< 0.1	3.7	3.7
R74	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R75	< 0.1	2.9	2.9	< 0.1	1.8	1.8
R76	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R77	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R78	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R79	< 0.1	11.4	11.5	< 0.1	0.4	0.4
R80	< 0.1	< 0.1	< 0.1	< 0.1	4.4	4.4
R81	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R82	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R83	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R84	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R85	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R86	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R87	< 0.1	2.9	2.9	< 0.1	0.2	0.2
R88	< 0.1	< 0.1	< 0.1	< 0.1	1.7	1.7
R89	< 0.1	< 0.1	< 0.1	< 0.1	1.7	1.7
R90	< 0.1	2.9	2.9	< 0.1	1.3	1.3
R91	< 0.1	2.9	2.9	< 0.1	0.2	0.2
R92	< 0.1	2.9	2.9	< 0.1	1.3	1.3
R93	< 0.1	11.4	11.5	< 0.1	< 0.1	< 0.1
R94	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R95	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R96	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R97	< 0.1	< 0.1	< 0.1	< 0.1	1.0	1.0
R98	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R99	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R102	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R104	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R105	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R106	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R107	< 0.1	< 0.1	< 0.1	< 0.1	1.4	1.4
R108	< 0.1	< 0.1	< 0.1	< 0.1	1.0	1.0
R109	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R110	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R111	< 0.1	2.9	2.9	< 0.1	1.4	1.4
R112	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R113	< 0.1	< 0.1	< 0.1	< 0.1	2.4	2.4
R114	< 0.1	< 0.1	< 0.1	< 0.1	1.4	1.4
R115	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R116	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R117	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R118	< 0.1	< 0.1	< 0.1	< 0.1	1.1	1.1
R119	< 0.1	2.9	2.9	< 0.1	1.2	1.2
R120	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R121	< 0.1	< 0.1	< 0.1	< 0.1	1.0	1.0
R122	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R123	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R124	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R125	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R126	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R127	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R128	< 0.1	2.9	2.9	< 0.1	0.5	0.5

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	1.61E-09	1.09E-04	3.92E-05	2.74E-05	1.11E-05
R2	1.76E-09	1.19E-04	4.27E-05	2.98E-05	1.21E-05
R3	1.54E-09	1.04E-04	3.75E-05	2.61E-05	1.06E-05
R4	1.58E-09	1.07E-04	3.85E-05	2.68E-05	1.09E-05
R5	9.32E-10	6.30E-05	2.27E-05	1.58E-05	6.40E-06
R6	9.07E-10	6.13E-05	2.21E-05	1.54E-05	6.23E-06
R7	6.31E-10	4.26E-05	1.53E-05	1.07E-05	4.33E-06
R8	5.39E-10	3.65E-05	1.31E-05	9.16E-06	3.70E-06
R9	8.07E-10	5.45E-05	1.96E-05	1.37E-05	5.54E-06
R10	1.22E-09	8.27E-05	2.98E-05	2.08E-05	8.40E-06
R11	1.34E-09	9.03E-05	3.25E-05	2.27E-05	9.17E-06
R12	1.52E-09	1.03E-04	3.69E-05	2.58E-05	1.04E-05
R13	1.47E-09	9.92E-05	3.57E-05	2.49E-05	1.01E-05
R14	2.67E-09	1.81E-04	6.50E-05	4.53E-05	1.83E-05
R15	1.11E-09	7.51E-05	2.70E-05	1.89E-05	7.63E-06
R16	7.58E-11	5.12E-06	1.84E-06	1.29E-06	5.21E-07
R17	7.02E-11	4.74E-06	1.71E-06	1.19E-06	4.82E-07
R18	6.38E-11	4.31E-06	1.55E-06	1.08E-06	4.38E-07
R19	1.18E-10	7.98E-06	2.87E-06	2.00E-06	8.11E-07
R20	1.46E-10	9.85E-06	3.55E-06	2.47E-06	1.00E-06
R21	1.45E-10	9.81E-06	3.53E-06	2.46E-06	9.97E-07
R22	1.13E-10	7.63E-06	2.75E-06	1.92E-06	7.75E-07
R23	7.38E-11	4.99E-06	1.80E-06	1.25E-06	5.07E-07
R24	6.97E-11	4.71E-06	1.70E-06	1.18E-06	4.78E-07
R25	9.07E-11	6.13E-06	2.21E-06	1.54E-06	6.23E-07
R26	1.01E-10	6.80E-06	2.45E-06	1.71E-06	6.91E-07
R27	3.79E-11	2.56E-06	9.22E-07	6.43E-07	2.60E-07
R28	1.42E-10	9.60E-06	3.45E-06	2.41E-06	9.75E-07
R29	1.47E-10	9.93E-06	3.57E-06	2.49E-06	1.01E-06
R30	1.41E-10	9.55E-06	3.44E-06	2.40E-06	9.70E-07
R31	2.05E-10	1.39E-05	5.00E-06	3.48E-06	1.41E-06
R32	1.22E-10	8.23E-06	2.96E-06	2.07E-06	8.36E-07

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	8.41E-11	5.68E-06	2.05E-06	1.43E-06	5.77E-07
R34	8.28E-11	5.60E-06	2.01E-06	1.40E-06	5.68E-07
R35	7.56E-11	5.11E-06	1.84E-06	1.28E-06	5.19E-07
R36	7.41E-11	5.01E-06	1.80E-06	1.26E-06	5.09E-07
R37	7.44E-11	5.03E-06	1.81E-06	1.26E-06	5.11E-07
R38	3.69E-10	2.49E-05	8.98E-06	6.26E-06	2.53E-06
R39	2.10E-10	1.42E-05	5.11E-06	3.57E-06	1.44E-06
R40	8.51E-10	5.75E-05	2.07E-05	1.44E-05	5.84E-06
R41	5.55E-10	3.75E-05	1.35E-05	9.42E-06	3.81E-06
R42	4.38E-10	2.96E-05	1.07E-05	7.44E-06	3.01E-06
R43	4.01E-10	2.71E-05	9.76E-06	6.81E-06	2.75E-06
R44	6.87E-10	4.64E-05	1.67E-05	1.17E-05	4.72E-06
R45	5.20E-10	3.52E-05	1.27E-05	8.83E-06	3.57E-06
R46	4.65E-10	3.14E-05	1.13E-05	7.89E-06	3.19E-06
R47	6.01E-10	4.06E-05	1.46E-05	1.02E-05	4.13E-06
R48	7.00E-10	4.73E-05	1.70E-05	1.19E-05	4.81E-06
R49	3.55E-10	2.40E-05	8.65E-06	6.03E-06	2.44E-06
R50	4.23E-10	2.86E-05	1.03E-05	7.18E-06	2.90E-06
R51	2.64E-10	1.79E-05	6.43E-06	4.48E-06	1.81E-06
R52	1.63E-10	1.10E-05	3.97E-06	2.77E-06	1.12E-06
R53	1.79E-10	1.21E-05	4.35E-06	3.03E-06	1.23E-06
R54	1.89E-10	1.28E-05	4.61E-06	3.21E-06	1.30E-06
R55	1.51E-10	1.02E-05	3.67E-06	2.56E-06	1.04E-06
R56	1.92E-10	1.30E-05	4.68E-06	3.26E-06	1.32E-06
R57	1.86E-10	1.26E-05	4.53E-06	3.16E-06	1.28E-06
R58	1.80E-10	1.22E-05	4.39E-06	3.06E-06	1.24E-06
R59	2.40E-10	1.62E-05	5.84E-06	4.07E-06	1.65E-06
R60	1.94E-10	1.31E-05	4.72E-06	3.29E-06	1.33E-06
R61	1.98E-10	1.34E-05	4.82E-06	3.36E-06	1.36E-06
R62	2.42E-10	1.64E-05	5.89E-06	4.11E-06	1.66E-06
R63	2.53E-10	1.71E-05	6.15E-06	4.29E-06	1.74E-06
R64	1.72E-10	1.16E-05	4.18E-06	2.92E-06	1.18E-06
R65	1.24E-10	8.39E-06	3.02E-06	2.11E-06	8.53E-07
R66	9.13E-11	6.17E-06	2.22E-06	1.55E-06	6.27E-07
R67	9.02E-11	6.10E-06	2.20E-06	1.53E-06	6.20E-07
R68	9.15E-11	6.19E-06	2.23E-06	1.55E-06	6.28E-07
R69	1.22E-10	8.28E-06	2.98E-06	2.08E-06	8.41E-07

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	2.64E-10	1.79E-05	6.43E-06	4.48E-06	1.81E-06
R71	4.76E-10	3.22E-05	1.16E-05	8.08E-06	3.27E-06
R72	5.62E-10	3.80E-05	1.37E-05	9.53E-06	3.86E-06
R73	6.57E-10	4.44E-05	1.60E-05	1.12E-05	4.51E-06
R74	2.14E-10	1.45E-05	5.21E-06	3.64E-06	1.47E-06
R75	1.01E-10	6.83E-06	2.46E-06	1.71E-06	6.94E-07
R76	8.86E-11	5.99E-06	2.16E-06	1.50E-06	6.08E-07
R77	2.13E-10	1.44E-05	5.18E-06	3.61E-06	1.46E-06
R78	2.23E-10	1.51E-05	5.42E-06	3.78E-06	1.53E-06
R79	1.66E-10	1.12E-05	4.05E-06	2.82E-06	1.14E-06
R80	1.54E-10	1.04E-05	3.74E-06	2.61E-06	1.06E-06
R81	1.69E-10	1.14E-05	4.12E-06	2.87E-06	1.16E-06
R82	1.96E-10	1.33E-05	4.78E-06	3.33E-06	1.35E-06
R83	1.77E-10	1.20E-05	4.31E-06	3.00E-06	1.22E-06
R84	1.85E-10	1.25E-05	4.50E-06	3.14E-06	1.27E-06
R85	1.63E-10	1.10E-05	3.96E-06	2.76E-06	1.12E-06
R86	1.80E-10	1.22E-05	4.39E-06	3.06E-06	1.24E-06
R87	1.33E-10	9.01E-06	3.24E-06	2.26E-06	9.15E-07
R88	1.87E-10	1.26E-05	4.54E-06	3.17E-06	1.28E-06
R89	1.58E-10	1.07E-05	3.86E-06	2.69E-06	1.09E-06
R90	1.22E-10	8.27E-06	2.98E-06	2.08E-06	8.40E-07
R91	1.05E-10	7.13E-06	2.57E-06	1.79E-06	7.24E-07
R92	1.27E-10	8.62E-06	3.10E-06	2.16E-06	8.76E-07
R93	1.25E-10	8.42E-06	3.03E-06	2.11E-06	8.55E-07
R94	1.11E-10	7.52E-06	2.71E-06	1.89E-06	7.64E-07
R95	9.41E-11	6.36E-06	2.29E-06	1.60E-06	6.46E-07
R96	9.72E-11	6.57E-06	2.36E-06	1.65E-06	6.67E-07
R97	1.08E-10	7.30E-06	2.63E-06	1.83E-06	7.42E-07
R98	1.05E-10	7.09E-06	2.55E-06	1.78E-06	7.20E-07
R99	2.12E-10	1.43E-05	5.15E-06	3.59E-06	1.45E-06
R100	1.49E-10	1.01E-05	3.64E-06	2.54E-06	1.03E-06
R101	6.63E-11	4.48E-06	1.61E-06	1.12E-06	4.55E-07
R102	9.53E-11	6.44E-06	2.32E-06	1.62E-06	6.55E-07
R103	8.23E-11	5.56E-06	2.00E-06	1.40E-06	5.65E-07
R104	1.13E-10	7.65E-06	2.76E-06	1.92E-06	7.77E-07
R105	5.38E-11	3.64E-06	1.31E-06	9.13E-07	3.69E-07
R106	5.23E-11	3.54E-06	1.27E-06	8.88E-07	3.59E-07

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	5.97E-11	4.03E-06	1.45E-06	1.01E-06	4.10E-07
R108	1.20E-10	8.08E-06	2.91E-06	2.03E-06	8.21E-07
R109	6.38E-11	4.31E-06	1.55E-06	1.08E-06	4.38E-07
R110	6.27E-11	4.24E-06	1.53E-06	1.06E-06	4.30E-07
R111	5.67E-11	3.83E-06	1.38E-06	9.62E-07	3.89E-07
R112	8.82E-11	5.97E-06	2.15E-06	1.50E-06	6.06E-07
R113	1.21E-10	8.16E-06	2.94E-06	2.05E-06	8.29E-07
R114	4.60E-11	3.11E-06	1.12E-06	7.80E-07	3.16E-07
R115	3.76E-11	2.54E-06	9.14E-07	6.38E-07	2.58E-07
R116	3.66E-11	2.47E-06	8.90E-07	6.21E-07	2.51E-07
R117	2.55E-11	1.73E-06	6.22E-07	4.33E-07	1.75E-07
R118	6.06E-11	4.09E-06	1.47E-06	1.03E-06	4.16E-07
R119	9.32E-11	6.30E-06	2.27E-06	1.58E-06	6.40E-07
R120	6.73E-11	4.55E-06	1.64E-06	1.14E-06	4.62E-07
R121	8.62E-11	5.83E-06	2.10E-06	1.46E-06	5.92E-07
R122	1.36E-10	9.21E-06	3.31E-06	2.31E-06	9.35E-07
R123	9.77E-11	6.61E-06	2.38E-06	1.66E-06	6.71E-07
R124	6.18E-11	4.18E-06	1.50E-06	1.05E-06	4.24E-07
R125	1.42E-10	9.61E-06	3.46E-06	2.41E-06	9.77E-07
R126	3.53E-11	2.39E-06	8.59E-07	5.99E-07	2.42E-07
R127	3.02E-10	2.04E-05	7.34E-06	5.12E-06	2.07E-06
R128	1.99E-10	1.35E-05	4.85E-06	3.38E-06	1.37E-06
Max. at boundary	3.71E-09	2.51E-04	–	–	2.54E-05

Nitrogen dioxide (NO₂)

Maximum 1-hour and annual average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)			Annual ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			164			31
R1	117.7	8.2	125.9	0.1	8.3	8.4
R2	85.9	< 0.1	85.9	< 0.1	8.3	8.3
R3	81.7	< 0.1	81.7	< 0.1	8.3	8.3
R4	66.8	< 0.1	66.8	< 0.1	8.3	8.3
R5	50.6	4.1	54.7	< 0.1	8.3	8.3
R6	60.5	8.2	68.7	< 0.1	8.3	8.3
R7	32.8	14.3	47.1	< 0.1	8.3	8.3
R8	31.7	4.1	35.8	< 0.1	8.3	8.3
R9	54.9	8.2	63.1	< 0.1	8.3	8.3
R10	61.2	10.2	71.4	< 0.1	8.3	8.3
R11	61.4	34.9	96.3	< 0.1	8.3	8.3
R12	68.7	14.3	83.1	< 0.1	8.3	8.3
R13	71.7	10.2	81.9	< 0.1	8.3	8.3
R14	113.0	4.1	117.1	0.2	8.3	8.4
R15	69.0	10.2	79.3	< 0.1	8.3	8.3
R16	35.6	4.1	39.7	< 0.1	8.3	8.3
R17	32.9	2.0	35.0	< 0.1	8.3	8.3
R18	31.4	2.0	33.5	< 0.1	8.3	8.3
R19	41.2	2.0	43.3	< 0.1	8.3	8.3
R20	38.1	< 0.1	38.1	< 0.1	8.3	8.3
R21	37.1	< 0.1	37.1	< 0.1	8.3	8.3
R22	34.5	< 0.1	34.5	< 0.1	8.3	8.3
R23	31.0	2.0	33.0	< 0.1	8.3	8.3
R24	25.0	2.0	27.0	< 0.1	8.3	8.3
R25	31.1	2.0	33.1	< 0.1	8.3	8.3
R26	19.5	22.6	42.1	< 0.1	8.3	8.3
R27	26.2	4.1	30.3	< 0.1	8.3	8.3
R28	37.0	< 0.1	37.0	< 0.1	8.3	8.3
R29	41.8	< 0.1	41.8	< 0.1	8.3	8.3
R30	38.8	< 0.1	38.8	< 0.1	8.3	8.3

Rec.	1-hour (max incr.) (µg/m³)			Annual (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	38.2	8.2	46.4	< 0.1	8.3	8.3
R32	25.2	8.2	33.4	< 0.1	8.3	8.3
R33	28.1	2.0	30.1	< 0.1	8.3	8.3
R34	29.9	2.0	31.9	< 0.1	8.3	8.3
R35	28.0	10.2	38.2	< 0.1	8.3	8.3
R36	33.4	2.0	35.4	< 0.1	8.3	8.3
R37	32.3	2.0	34.4	< 0.1	8.3	8.3
R38	46.9	2.0	48.9	< 0.1	8.3	8.3
R39	17.1	2.0	19.2	< 0.1	8.3	8.3
R40	58.0	4.1	62.1	< 0.1	8.3	8.3
R41	34.1	< 0.1	34.1	< 0.1	8.3	8.3
R42	32.3	< 0.1	32.3	< 0.1	8.3	8.3
R43	33.2	< 0.1	33.2	< 0.1	8.3	8.3
R44	52.9	14.3	67.3	< 0.1	8.3	8.3
R45	49.5	16.4	65.9	< 0.1	8.3	8.3
R46	59.4	8.2	67.6	< 0.1	8.3	8.3
R47	56.4	8.2	64.6	< 0.1	8.3	8.3
R48	47.9	2.0	49.9	< 0.1	8.3	8.3
R49	28.8	< 0.1	28.8	< 0.1	8.3	8.3
R50	49.2	< 0.1	49.2	< 0.1	8.3	8.3
R51	26.5	2.0	28.6	< 0.1	8.3	8.3
R52	17.4	2.0	19.4	< 0.1	8.3	8.3
R53	45.7	2.0	47.8	< 0.1	8.3	8.3
R54	31.2	8.2	39.4	< 0.1	8.3	8.3
R55	39.6	2.0	41.6	< 0.1	8.3	8.3
R56	50.0	< 0.1	50.0	< 0.1	8.3	8.3
R57	28.3	10.2	38.5	< 0.1	8.3	8.3
R58	56.9	8.2	65.1	< 0.1	8.3	8.3
R59	30.9	8.2	39.1	< 0.1	8.3	8.3
R60	23.9	6.1	30.0	< 0.1	8.3	8.3
R61	25.0	14.3	39.3	< 0.1	8.3	8.3
R62	23.1	8.2	31.3	< 0.1	8.3	8.3
R63	18.3	4.1	22.4	< 0.1	8.3	8.3
R64	45.1	12.3	57.4	< 0.1	8.3	8.3
R65	35.4	< 0.1	35.4	< 0.1	8.3	8.3

Rec.	1-hour (max incr.) (µg/m³)			Annual (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	39.0	2.0	41.1	< 0.1	8.3	8.3
R67	29.6	4.1	33.7	< 0.1	8.3	8.3
R68	33.3	4.1	37.4	< 0.1	8.3	8.3
R69	12.6	10.2	22.8	< 0.1	8.3	8.3
R70	22.0	4.1	26.1	< 0.1	8.3	8.3
R71	35.5	4.1	39.6	< 0.1	8.3	8.3
R72	39.9	4.1	44.0	< 0.1	8.3	8.3
R73	60.6	4.1	64.7	< 0.1	8.3	8.3
R74	35.6	< 0.1	35.6	< 0.1	8.3	8.3
R75	13.2	2.0	15.2	< 0.1	8.3	8.3
R76	16.3	2.0	18.4	< 0.1	8.3	8.3
R77	22.5	22.6	45.1	< 0.1	8.3	8.3
R78	23.1	30.8	53.9	< 0.1	8.3	8.3
R79	21.7	14.3	36.0	< 0.1	8.3	8.3
R80	25.9	10.2	36.1	< 0.1	8.3	8.3
R81	29.6	6.1	35.8	< 0.1	8.3	8.3
R82	21.1	11.3	32.4	< 0.1	8.3	8.3
R83	31.3	10.2	41.6	< 0.1	8.3	8.3
R84	25.5	8.2	33.7	< 0.1	8.3	8.3
R85	21.3	30.8	52.1	< 0.1	8.3	8.3
R86	20.1	12.3	32.4	< 0.1	8.3	8.3
R87	13.9	26.6	40.6	< 0.1	8.3	8.3
R88	35.5	8.2	43.7	< 0.1	8.3	8.3
R89	33.4	8.2	41.6	< 0.1	8.3	8.3
R90	38.2	12.3	50.5	< 0.1	8.3	8.3
R91	12.1	10.2	22.3	< 0.1	8.3	8.3
R92	36.1	12.3	48.4	< 0.1	8.3	8.3
R93	16.6	14.3	31.0	< 0.1	8.3	8.3
R94	20.7	30.8	51.4	< 0.1	8.3	8.3
R95	20.4	30.8	51.1	< 0.1	8.3	8.3
R96	13.9	< 0.1	13.9	< 0.1	8.3	8.3
R97	16.7	4.1	20.8	< 0.1	8.3	8.3
R98	30.0	< 0.1	30.0	< 0.1	8.3	8.3
R99	36.4	4.1	40.5	< 0.1	8.3	8.3
R100	25.9	20.5	46.4	< 0.1	8.3	8.3

Rec.	1-hour (max incr.) (µg/m³)			Annual (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	14.9	< 0.1	14.9	< 0.1	8.3	8.3
R102	30.4	2.0	32.4	< 0.1	8.3	8.3
R103	37.7	2.0	39.8	< 0.1	8.3	8.3
R104	19.6	22.6	42.1	< 0.1	8.3	8.3
R105	9.4	10.2	19.6	< 0.1	8.3	8.3
R106	30.9	4.1	35.0	< 0.1	8.3	8.3
R107	11.4	2.0	13.4	< 0.1	8.3	8.3
R108	37.3	2.0	39.3	< 0.1	8.3	8.3
R109	12.8	2.0	14.8	< 0.1	8.3	8.3
R110	35.5	< 0.1	35.5	< 0.1	8.3	8.3
R111	24.7	4.1	28.8	< 0.1	8.3	8.3
R112	38.0	2.0	40.0	< 0.1	8.3	8.3
R113	35.1	< 0.1	35.1	< 0.1	8.3	8.3
R114	14.2	6.1	20.3	< 0.1	8.3	8.3
R115	10.6	< 0.1	10.6	< 0.1	8.3	8.3
R116	10.0	4.1	14.1	< 0.1	8.3	8.3
R117	16.8	2.0	18.9	< 0.1	8.3	8.3
R118	29.4	4.1	33.5	< 0.1	8.3	8.3
R119	29.1	4.1	33.2	< 0.1	8.3	8.3
R120	33.5	2.0	35.6	< 0.1	8.3	8.3
R121	18.0	< 0.1	18.0	< 0.1	8.3	8.3
R122	23.0	< 0.1	23.0	< 0.1	8.3	8.3
R123	26.8	< 0.1	26.8	< 0.1	8.3	8.3
R124	12.9	< 0.1	12.9	< 0.1	8.3	8.3
R125	27.4	< 0.1	27.4	< 0.1	8.3	8.3
R126	8.0	2.0	10.1	< 0.1	8.3	8.3
R127	37.4	< 0.1	37.4	< 0.1	8.3	8.3
R128	15.8	< 0.1	15.8	< 0.1	8.3	8.3

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	860.5	01/10/2021 17:00	86.0	2.91	32.70	0.8	0.1	0.04	117.7	8.2	125.9
R2	734.4	19/06/2021 16:00	73.4	5.99	29.43	0.83	0.07	0.02	85.9	< 0.1	85.9
R3	673.2	14/03/2021 17:00	67.3	1.83	15.26	0.635	0.1	0.02	81.7	< 0.1	81.7
R4	568.7	19/06/2021 17:00	56.9	4.02	30.52	0.87	0.07	0.02	66.8	< 0.1	66.8
R5	451.1	08/07/2021 08:00	45.1	0.11	< 0.1	0.49	0.05	0.01	50.6	4.1	54.7
R6	545.5	02/06/2021 08:00	54.5	< 0.1	< 0.1	0.49	0.05	0.01	60.5	8.2	68.7
R7	226.1	28/05/2021 08:00	22.6	1.10	1.09	0.635	0.1	0.05	32.8	14.3	47.1
R8	212.6	07/08/2021 17:00	21.3	3.41	28.34	0.83	0.07	0.05	31.7	4.1	35.8
R9	345.4	06/09/2021 17:00	34.5	1.76	30.52	0.8	0.1	0.07	54.9	8.2	63.1
R10	432.8	28/01/2021 08:00	43.3	2.35	4.36	0.67	0.1	0.05	61.2	10.2	71.4
R11	446.6	18/03/2021 12:00	44.7	1.24	2.18	0.635	0.1	0.04	61.4	34.9	96.3
R12	508.9	29/01/2021 10:00	50.9	1.86	5.45	0.67	0.1	0.04	68.7	14.3	83.1
R13	439.1	12/01/2021 17:00	43.9	2.45	59.95	0.81	0.15	0.07	71.7	10.2	81.9
R14	843.3	24/01/2021 17:00	84.3	1.34	47.96	0.81	0.15	0.04	113.0	4.1	117.1
R15	607.5	16/06/2021 08:00	60.8	0.19	< 0.1	0.49	0.05	0.02	69.0	10.2	79.3
R16	121.8	03/08/2021 17:00	12.2	3.61	32.70	0.87	0.07	0.21	35.6	4.1	39.7
R17	76.8	04/10/2021 17:00	7.7	4.30	35.97	0.8	0.1	0.36	32.9	2.0	35.0
R18	74.0	04/10/2021 17:00	7.4	4.30	35.97	0.8	0.1	0.36	31.4	2.0	33.5
R19	141.2	21/09/2021 17:00	14.1	2.19	32.70	0.8	0.1	0.21	41.2	2.0	43.3
R20	131.6	29/05/2021 17:00	13.2	3.18	29.43	0.74	0.1	0.21	38.1	< 0.1	38.1
R21	124.0	29/05/2021 17:00	12.4	3.18	29.43	0.74	0.1	0.22	37.1	< 0.1	37.1
R22	102.9	05/05/2021 16:00	10.3	3.27	27.25	0.74	0.1	0.26	34.5	< 0.1	34.5
R23	88.6	21/09/2021 17:00	8.9	2.19	32.70	0.8	0.1	0.28	31.0	2.0	33.0
R24	70.0	21/09/2021 17:00	7.0	2.19	32.70	0.8	0.1	0.29	25.0	2.0	27.0
R25	86.3	21/09/2021 17:00	8.6	2.19	32.70	0.8	0.1	0.29	31.1	2.0	33.1
R26	68.3	28/06/2021 17:00	6.8	1.61	13.08	0.74	0.07	0.21	19.5	22.6	42.1
R27	87.8	28/07/2021 17:00	8.8	4.19	30.52	0.87	0.07	0.22	26.2	4.1	30.3
R28	120.6	05/05/2021 17:00	12.1	2.87	25.07	0.74	0.1	0.23	37.0	< 0.1	37.0
R29	148.4	14/03/2021 17:00	14.8	1.83	15.26	0.635	0.1	0.20	41.8	< 0.1	41.8
R30	137.2	14/03/2021 17:00	13.7	1.83	15.26	0.635	0.1	0.20	38.8	< 0.1	38.8
R31	162.1	06/09/2021 17:00	16.2	1.76	30.52	0.8	0.1	0.15	38.2	8.2	46.4
R32	81.1	01/10/2021 17:00	8.1	2.91	32.70	0.8	0.1	0.23	25.2	8.2	33.4

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	75.4	21/09/2021 17:00	7.5	2.19	32.70	0.8	0.1	0.30	28.1	2.0	30.1
R34	80.6	21/09/2021 17:00	8.1	2.19	32.70	0.8	0.1	0.30	29.9	2.0	31.9
R35	82.6	13/09/2021 17:00	8.3	3.22	27.25	0.74	0.1	0.26	28.0	10.2	38.2
R36	80.9	04/10/2021 17:00	8.1	4.30	35.97	0.8	0.1	0.35	33.4	2.0	35.4
R37	77.3	04/10/2021 17:00	7.7	4.30	35.97	0.8	0.1	0.35	32.3	2.0	34.4
R38	249.9	24/09/2021 17:00	25.0	3.07	43.60	0.85	0.1	0.10	46.9	2.0	48.9
R39	82.5	09/10/2021 17:00	8.3	0.40	37.06	0.8	0.1	0.12	17.1	2.0	19.2
R40	446.9	28/07/2021 17:00	44.7	4.19	30.52	0.87	0.07	0.03	58.0	4.1	62.1
R41	251.9	15/08/2021 16:00	25.2	0.98	38.15	0.87	0.07	0.04	34.1	< 0.1	34.1
R42	202.3	04/08/2021 17:00	20.2	2.86	31.61	0.87	0.07	0.07	32.3	< 0.1	32.3
R43	169.3	11/04/2021 17:00	16.9	3.61	26.16	0.74	0.1	0.11	33.2	< 0.1	33.2
R44	298.6	26/10/2021 17:00	29.9	2.99	37.06	0.8	0.1	0.09	52.9	14.3	67.3
R45	260.6	09/11/2021 17:00	26.1	2.75	34.88	0.8	0.1	0.10	49.5	16.4	65.9
R46	314.6	06/09/2021 17:00	31.5	1.76	30.52	0.8	0.1	0.10	59.4	8.2	67.6
R47	326.3	01/10/2021 17:00	32.6	2.91	32.70	0.8	0.1	0.08	56.4	8.2	64.6
R48	283.0	21/09/2021 17:00	28.3	2.19	32.70	0.8	0.1	0.08	47.9	2.0	49.9
R49	166.8	29/07/2021 16:00	16.7	2.36	33.79	0.87	0.07	0.08	28.8	< 0.1	28.8
R50	275.2	14/03/2021 17:00	27.5	1.83	15.26	0.635	0.1	0.09	49.2	< 0.1	49.2
R51	117.1	21/09/2021 17:00	11.7	2.19	32.70	0.8	0.1	0.14	26.5	2.0	28.6
R52	73.9	18/05/2021 08:00	7.4	0.68	1.09	0.635	0.1	0.15	17.4	2.0	19.4
R53	180.8	21/09/2021 17:00	18.1	2.19	32.70	0.8	0.1	0.17	45.7	2.0	47.8
R54	114.6	01/10/2021 17:00	11.5	2.91	32.70	0.8	0.1	0.19	31.2	8.2	39.4
R55	146.8	21/09/2021 17:00	14.7	2.19	32.70	0.8	0.1	0.19	39.6	2.0	41.6
R56	205.1	14/03/2021 17:00	20.5	1.83	15.26	0.635	0.1	0.16	50.0	< 0.1	50.0
R57	117.4	15/09/2021 17:00	11.7	3.05	29.43	0.74	0.1	0.16	28.3	10.2	38.5
R58	219.4	06/09/2021 17:00	21.9	1.76	30.52	0.8	0.1	0.18	56.9	8.2	65.1
R59	124.6	31/03/2021 17:00	12.5	2.51	33.79	0.8	0.1	0.16	30.9	8.2	39.1
R60	92.3	17/10/2021 17:00	9.2	2.47	43.60	0.85	0.1	0.18	23.9	6.1	30.0
R61	99.1	23/10/2021 17:00	9.9	2.41	65.40	0.85	0.1	0.17	25.0	14.3	39.3
R62	96.8	08/10/2021 17:00	9.7	2.19	38.15	0.8	0.1	0.15	23.1	8.2	31.3
R63	100.8	11/08/2021 17:00	10.1	2.93	32.70	0.87	0.07	0.09	18.3	4.1	22.4
R64	163.5	27/09/2021 17:00	16.4	1.52	33.79	0.8	0.1	0.20	45.1	12.3	57.4
R65	136.0	17/06/2021 16:00	13.6	3.18	28.34	0.83	0.07	0.18	35.4	< 0.1	35.4
R66	125.1	12/09/2021 17:00	12.5	3.62	45.78	0.85	0.1	0.24	39.0	2.0	41.1
R67	124.1	20/07/2021 16:00	12.4	4.27	27.25	0.83	0.07	0.15	29.6	4.1	33.7
R68	149.2	28/07/2021 17:00	14.9	4.19	30.52	0.87	0.07	0.14	33.3	4.1	37.4

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	56.6	11/09/2021 08:00	5.7	0.91	9.81	0.635	0.1	0.14	12.6	10.2	22.8
R70	113.4	27/07/2021 16:00	11.3	2.42	26.16	0.83	0.07	0.10	22.0	4.1	26.1
R71	222.7	31/07/2021 16:00	22.3	1.52	28.34	0.83	0.07	0.07	35.5	4.1	39.6
R72	217.5	25/05/2021 16:00	21.8	1.11	26.16	0.74	0.1	0.09	39.9	4.1	44.0
R73	366.3	25/05/2021 16:00	36.6	1.11	26.16	0.74	0.1	0.07	60.6	4.1	64.7
R74	181.0	25/07/2021 16:00	18.1	4.16	32.70	0.87	0.07	0.11	35.6	< 0.1	35.6
R75	44.9	20/09/2021 17:00	4.5	3.12	33.79	0.8	0.1	0.22	13.2	2.0	15.2
R76	54.3	20/09/2021 17:00	5.4	3.12	33.79	0.8	0.1	0.22	16.3	2.0	18.4
R77	119.2	30/06/2021 09:00	11.9	0.19	13.08	0.74	0.07	0.10	22.5	22.6	45.1
R78	111.2	30/04/2021 17:00	11.1	1.51	17.44	0.635	0.1	0.12	23.1	30.8	53.9
R79	81.7	23/10/2021 17:00	8.2	2.41	65.40	0.85	0.1	0.18	21.7	14.3	36.0
R80	84.9	02/09/2021 17:00	8.5	1.59	34.88	0.8	0.1	0.23	25.9	10.2	36.1
R81	107.1	17/10/2021 17:00	10.7	2.47	43.60	0.85	0.1	0.20	29.6	6.1	35.8
R82	83.3	12/10/2021 17:00	8.3	2.90	21.80	0.74	0.1	0.17	21.1	11.3	32.4
R83	113.0	16/09/2021 17:00	11.3	2.60	30.52	0.8	0.1	0.20	31.3	10.2	41.6
R84	94.8	31/03/2021 17:00	9.5	2.51	33.79	0.8	0.1	0.19	25.5	8.2	33.7
R85	94.2	30/04/2021 17:00	9.4	1.51	17.44	0.635	0.1	0.14	21.3	30.8	52.1
R86	91.9	22/03/2021 16:00	9.2	1.07	14.17	0.635	0.1	0.13	20.1	12.3	32.4
R87	65.6	30/06/2021 10:00	6.6	0.40	13.08	0.74	0.07	0.13	13.9	26.6	40.6
R88	132.7	08/10/2021 17:00	13.3	2.19	38.15	0.8	0.1	0.19	35.5	8.2	43.7
R89	119.5	08/10/2021 17:00	12.0	2.19	38.15	0.8	0.1	0.20	33.4	8.2	41.6
R90	123.1	27/09/2021 17:00	12.3	1.52	33.79	0.8	0.1	0.23	38.2	12.3	50.5
R91	44.6	01/05/2021 17:00	4.5	1.04	26.16	0.74	0.1	0.19	12.1	10.2	22.3
R92	122.9	27/09/2021 17:00	12.3	1.52	33.79	0.8	0.1	0.22	36.1	12.3	48.4
R93	57.8	23/10/2021 17:00	5.8	2.41	65.40	0.85	0.1	0.21	16.6	14.3	31.0
R94	83.7	30/04/2021 17:00	8.4	1.51	17.44	0.635	0.1	0.16	20.7	30.8	51.4
R95	78.2	30/04/2021 17:00	7.8	1.51	17.44	0.635	0.1	0.18	20.4	30.8	51.1
R96	54.1	19/06/2021 17:00	5.4	4.02	30.52	0.87	0.07	0.17	13.9	< 0.1	13.9
R97	64.7	07/08/2021 17:00	6.5	3.41	28.34	0.83	0.07	0.18	16.7	4.1	20.8
R98	108.1	19/06/2021 17:00	10.8	4.02	30.52	0.87	0.07	0.20	30.0	< 0.1	30.0
R99	122.3	14/09/2021 17:00	12.2	2.78	30.52	0.8	0.1	0.22	36.4	4.1	40.5
R100	102.0	11/05/2021 16:00	10.2	1.18	13.08	0.635	0.1	0.17	25.9	20.5	46.4
R101	51.5	19/06/2021 17:00	5.2	4.02	30.52	0.87	0.07	0.21	14.9	< 0.1	14.9
R102	96.9	21/09/2021 17:00	9.7	2.19	32.70	0.8	0.1	0.24	30.4	2.0	32.4
R103	112.2	21/09/2021 17:00	11.2	2.19	32.70	0.8	0.1	0.26	37.7	2.0	39.8
R104	70.0	28/06/2021 17:00	7.0	1.61	13.08	0.74	0.07	0.20	19.6	22.6	42.1

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	34.7	11/09/2021 08:00	3.5	0.91	9.81	0.635	0.1	0.19	9.4	10.2	19.6
R106	115.4	28/07/2021 17:00	11.5	4.19	30.52	0.87	0.07	0.19	30.9	4.1	35.0
R107	38.5	09/10/2021 17:00	3.8	0.40	37.06	0.8	0.1	0.22	11.4	2.0	13.4
R108	109.2	24/09/2021 17:00	10.9	3.07	43.60	0.85	0.1	0.27	37.3	2.0	39.3
R109	45.6	19/07/2021 17:00	4.6	0.63	22.89	0.83	0.07	0.20	12.8	2.0	14.8
R110	108.8	25/07/2021 17:00	10.9	3.06	32.70	0.87	0.07	0.25	35.5	< 0.1	35.5
R111	91.6	20/07/2021 16:00	9.2	4.27	27.25	0.83	0.07	0.19	24.7	4.1	28.8
R112	107.8	04/10/2021 17:00	10.8	4.30	35.97	0.8	0.1	0.28	38.0	2.0	40.0
R113	95.9	19/09/2021 17:00	9.6	3.36	33.79	0.8	0.1	0.30	35.1	< 0.1	35.1
R114	44.2	20/08/2021 17:00	4.4	1.44	33.79	0.87	0.07	0.25	14.2	6.1	20.3
R115	37.0	15/07/2021 17:00	3.7	1.09	27.25	0.83	0.07	0.21	10.6	< 0.1	10.6
R116	32.5	28/07/2021 17:00	3.3	4.19	30.52	0.87	0.07	0.23	10.0	4.1	14.1
R117	40.7	11/09/2021 17:00	4.1	2.26	43.60	0.85	0.1	0.35	16.8	2.0	18.9
R118	84.6	03/08/2021 17:00	8.5	3.61	32.70	0.87	0.07	0.27	29.4	4.1	33.5
R119	124.3	20/07/2021 16:00	12.4	4.27	27.25	0.83	0.07	0.15	29.1	4.1	33.2
R120	83.1	04/10/2021 17:00	8.3	4.30	35.97	0.8	0.1	0.34	33.5	2.0	35.6
R121	57.1	22/04/2021 17:00	5.7	2.28	28.34	0.74	0.1	0.24	18.0	< 0.1	18.0
R122	71.4	15/05/2021 17:00	7.1	2.62	27.25	0.74	0.1	0.25	23.0	< 0.1	23.0
R123	84.5	04/08/2021 17:00	8.5	2.86	31.61	0.87	0.07	0.24	26.8	< 0.1	26.8
R124	33.8	05/10/2021 17:00	3.4	4.64	32.70	0.8	0.1	0.31	12.9	< 0.1	12.9
R125	77.8	05/09/2021 17:00	7.8	3.41	28.34	0.74	0.1	0.28	27.4	< 0.1	27.4
R126	22.3	01/08/2021 17:00	2.2	1.80	33.79	0.87	0.07	0.29	8.0	2.0	10.1
R127	180.8	14/03/2021 17:00	18.1	1.83	15.26	0.635	0.1	0.12	37.4	< 0.1	37.4
R128	77.4	19/06/2021 17:00	7.7	4.02	30.52	0.87	0.07	0.12	15.8	< 0.1	15.8

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R14				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
03/09/2021	6.3	19.8	26.1	04/05/2021	1.0	54.9	55.9
18/12/2021	6.2	18.4	24.6	20/04/2021	< 0.1	46.2	46.2
17/09/2021	5.0	14.8	19.8	29/04/2021	1.0	36.0	37.0
06/02/2021	4.6	13.6	18.2	28/10/2021	< 0.1	36.6	36.6
25/05/2021	4.5	9.6	14.1	18/01/2021	0.4	35.8	36.2
14/10/2021	4.1	11.6	15.7	02/09/2021	< 0.1	36.0	36.0
11/02/2021	4.0	24.0	28.0	27/04/2021	0.6	35.4	36.0
03/07/2021	3.8	10.6	14.4	10/09/2021	0.3	35.5	35.8
24/01/2021	3.8	25.4	29.2	02/03/2021	1.1	33.8	34.9
21/01/2021	3.6	21.7	25.3	21/08/2021	< 0.1	34.6	34.6

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/06/2021	4.7	7.6	12.3	04/05/2021	1.0	54.9	55.9
29/05/2021	3.7	9.3	13.0	20/04/2021	< 0.1	46.2	46.2
21/07/2021	2.8	8.0	10.8	29/04/2021	1.0	36.0	37.0
10/07/2021	2.7	7.9	10.6	28/10/2021	< 0.1	36.6	36.6
21/09/2021	2.5	13.5	16.0	18/01/2021	0.5	35.8	36.3
12/04/2021	2.3	16.9	19.2	02/09/2021	< 0.1	36.0	36.0
30/05/2021	2.3	8.1	10.4	27/04/2021	0.6	35.4	36.0
28/05/2021	2.2	14.3	16.5	10/09/2021	0.3	35.5	35.8
11/12/2021	2.2	8.1	10.3	02/03/2021	0.8	33.8	34.6
21/04/2021	2.0	14.9	16.9	21/08/2021	< 0.1	34.6	34.6

Highest incremental PM ₁₀ impact – Receptor R4				Highest cumulative PM ₁₀ impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/06/2021	4.5	7.6	12.1	04/05/2021	0.8	54.9	55.7
29/05/2021	2.9	9.3	12.2	20/04/2021	< 0.1	46.2	46.2
10/07/2021	2.5	7.9	10.4	29/04/2021	0.9	36.0	36.9
21/07/2021	2.4	8.0	10.4	28/10/2021	< 0.1	36.6	36.6
12/04/2021	2.4	16.9	19.3	18/01/2021	0.3	35.8	36.1
12/08/2021	2.1	10.6	12.7	02/09/2021	< 0.1	36.0	36.0
21/09/2021	2.0	13.5	15.5	27/04/2021	0.5	35.4	35.9
30/05/2021	1.9	8.1	10.0	10/09/2021	0.2	35.5	35.7
28/08/2021	1.8	11.1	12.9	02/03/2021	0.9	33.8	34.7
21/04/2021	1.8	14.9	16.7	21/08/2021	< 0.1	34.6	34.6

Highest incremental PM ₁₀ impact – Receptor R3				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/06/2021	4.1	7.6	11.7	04/05/2021	0.6	54.9	55.5
29/05/2021	3.4	9.3	12.7	20/04/2021	< 0.1	46.2	46.2
21/07/2021	2.4	8.0	10.4	28/10/2021	< 0.1	36.6	36.7
10/07/2021	2.4	7.9	10.3	29/04/2021	0.2	36.0	36.2
30/05/2021	2.2	8.1	10.3	02/09/2021	< 0.1	36.0	36.0
11/12/2021	2.2	8.1	10.3	10/09/2021	0.5	35.5	36.0
21/09/2021	2.1	13.5	15.6	18/01/2021	< 0.1	35.8	35.8
07/05/2021	2.0	8.0	10.0	27/04/2021	0.3	35.4	35.7
12/04/2021	2.0	16.9	18.9	02/03/2021	1.1	33.8	34.9
28/05/2021	1.9	14.3	16.2	21/08/2021	< 0.1	34.6	34.6

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
13/02/2021	3.8	11.1	14.9	04/05/2021	0.5	54.9	55.4
21/11/2021	3.6	6.6	10.2	20/04/2021	< 0.1	46.2	46.2
22/11/2021	3.2	18.0	21.2	28/10/2021	< 0.1	36.6	36.6
23/02/2021	3.1	21.3	24.4	29/04/2021	0.3	36.0	36.3
31/01/2021	3.1	17.5	20.6	18/01/2021	0.2	35.8	36.0
01/01/2021	3.1	12.1	15.2	02/09/2021	< 0.1	36.0	36.0
28/12/2021	3.1	10.1	13.2	10/09/2021	0.3	35.5	35.8
07/01/2021	3.1	11.0	14.1	27/04/2021	0.1	35.4	35.5
19/01/2021	3.0	30.0	33.0	21/08/2021	< 0.1	34.6	34.6
27/12/2021	3.0	11.2	14.2	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/02/2021	3.6	13.4	17.0	04/05/2021	0.4	54.9	55.3
21/03/2021	3.2	12.3	15.5	20/04/2021	< 0.1	46.2	46.2
29/01/2021	3.2	8.2	11.4	28/10/2021	< 0.1	36.6	36.6
22/03/2021	2.8	5.9	8.7	29/04/2021	0.6	36.0	36.6
10/03/2021	2.6	21.1	23.7	02/09/2021	< 0.1	36.0	36.0
02/11/2021	2.5	19.1	21.6	18/01/2021	0.2	35.8	36.0
23/11/2021	2.3	13.2	15.5	27/04/2021	0.4	35.4	35.8
09/11/2021	2.1	13.4	15.5	10/09/2021	0.1	35.5	35.6
24/12/2021	2.0	13.5	15.5	21/08/2021	< 0.1	34.6	34.6
17/11/2021	1.9	21.5	23.4	02/03/2021	0.3	33.8	34.1

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R9			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
18/03/2021	2.9	9.1	12.0	04/05/2021	0.3	54.9	55.2
11/11/2021	2.7	14.5	17.2	20/04/2021	< 0.1	46.2	46.2
19/03/2021	2.5	13.8	16.3	28/10/2021	< 0.1	36.6	36.6
20/03/2021	2.4	9.9	12.3	29/04/2021	< 0.1	36.0	36.0
17/03/2021	2.4	13.5	15.9	02/09/2021	< 0.1	36.0	36.0
22/12/2021	2.1	15.1	17.2	18/01/2021	< 0.1	35.8	35.8
18/02/2021	2.0	13.9	15.9	10/09/2021	0.2	35.5	35.7
28/01/2021	1.9	16.0	17.9	27/04/2021	< 0.1	35.4	35.5
24/02/2021	1.8	15.2	17.0	21/08/2021	< 0.1	34.6	34.6
05/04/2021	1.8	25.8	27.6	02/03/2021	0.7	33.8	34.5

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R7			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
28/01/2021	2.7	16.0	18.7	04/05/2021	0.3	54.9	55.2
19/03/2021	2.7	13.8	16.5	20/04/2021	< 0.1	46.2	46.2
16/02/2021	2.6	9.9	12.5	28/10/2021	< 0.1	36.6	36.6
05/12/2021	2.3	14.7	17.0	29/04/2021	0.3	36.0	36.3
16/12/2021	2.2	20.0	22.1	02/09/2021	< 0.1	36.0	36.0
18/03/2021	2.1	9.1	11.2	18/01/2021	0.1	35.8	35.9
09/02/2021	2.1	19.8	21.9	10/09/2021	0.1	35.5	35.6
08/11/2021	2.0	11.1	13.1	27/04/2021	0.1	35.4	35.5
17/02/2021	1.9	14.1	16.0	21/08/2021	< 0.1	34.6	34.6
01/01/2021	1.9	12.1	14.0	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R13				Highest cumulative PM ₁₀ impact – Receptor R47			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/11/2021	2.5	9.8	12.3	04/05/2021	0.3	54.9	55.2
22/03/2021	2.3	5.9	8.2	20/04/2021	< 0.1	46.2	46.2
17/11/2021	2.0	21.5	23.5	28/10/2021	< 0.1	36.6	36.6
03/11/2021	1.9	17.8	19.7	29/04/2021	< 0.1	36.0	36.0
17/12/2021	1.9	19.2	21.0	02/09/2021	< 0.1	36.0	36.0
20/02/2021	1.8	11.4	13.2	18/01/2021	< 0.1	35.8	35.8
30/11/2021	1.8	26.0	27.8	10/09/2021	< 0.1	35.5	35.6
13/10/2021	1.7	10.2	11.9	27/04/2021	< 0.1	35.4	35.5
13/01/2021	1.7	19.0	20.7	21/08/2021	< 0.1	34.6	34.6
23/03/2021	1.7	4.1	5.8	20/08/2021	< 0.1	34.1	34.1

Highest incremental PM ₁₀ impact – Receptor R15				Highest cumulative PM ₁₀ impact – Receptor R8			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/08/2021	2.4	32.0	34.4	04/05/2021	0.2	54.9	55.1
23/06/2021	2.2	7.8	10.0	20/04/2021	< 0.1	46.2	46.2
03/09/2021	2.1	19.8	21.9	28/10/2021	< 0.1	36.6	36.6
31/07/2021	2.0	23.1	25.1	29/04/2021	0.2	36.0	36.2
18/12/2021	1.9	18.4	20.2	02/09/2021	< 0.1	36.0	36.0
25/05/2021	1.8	9.6	11.4	18/01/2021	< 0.1	35.8	35.9
13/03/2021	1.8	14.5	16.3	10/09/2021	< 0.1	35.5	35.6
24/06/2021	1.7	8.3	10.0	27/04/2021	0.1	35.4	35.5
07/06/2021	1.7	12.2	13.9	21/08/2021	< 0.1	34.6	34.6
17/09/2021	1.6	14.8	16.4	20/08/2021	< 0.1	34.1	34.1

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R14				Highest cumulative PM _{2.5} impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
03/09/2021	6.3	6.7	13.0	04/05/2021	1.0	40.3	41.3
18/12/2021	6.2	3.7	9.9	29/04/2021	1.0	21.8	22.8
17/09/2021	5.0	4.6	9.6	23/04/2021	0.9	19.5	20.4
06/02/2021	4.6	6.5	11.1	20/08/2021	< 0.1	19.2	19.2
25/05/2021	4.5	6.4	10.9	10/10/2021	0.5	16.9	17.4
14/10/2021	4.1	3.4	7.5	15/08/2021	< 0.1	16.1	16.1
11/02/2021	4.0	9.5	13.5	03/05/2021	< 0.1	14.9	14.9
03/07/2021	3.8	6.6	10.4	14/08/2021	0.4	14.3	14.7
24/01/2021	3.8	10.2	14.0	23/08/2021	< 0.1	14.7	14.7
21/01/2021	3.6	8.7	12.3	30/04/2021	0.6	13.7	14.3

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/06/2021	4.7	2.4	7.1	04/05/2021	1.0	40.3	41.3
29/05/2021	3.7	3.4	7.1	29/04/2021	1.0	21.8	22.8
21/07/2021	2.8	2.5	5.3	23/04/2021	1.2	19.5	20.7
10/07/2021	2.7	4.1	6.8	20/08/2021	< 0.1	19.2	19.2
21/09/2021	2.5	3.1	5.6	10/10/2021	0.4	16.9	17.3
12/04/2021	2.3	3.6	5.9	15/08/2021	< 0.1	16.1	16.1
30/05/2021	2.3	2.3	4.6	03/05/2021	< 0.1	14.9	14.9
28/05/2021	2.2	4.9	7.1	14/08/2021	0.5	14.3	14.8
11/12/2021	2.2	2.1	4.3	23/08/2021	< 0.1	14.7	14.7
21/04/2021	2.0	5.8	7.8	30/04/2021	0.6	13.7	14.3

Highest incremental PM _{2.5} impact – Receptor R4				Highest cumulative PM _{2.5} impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/06/2021	4.5	2.4	6.9	04/05/2021	0.8	40.3	41.1
29/05/2021	2.9	3.4	6.3	29/04/2021	0.9	21.8	22.7
10/07/2021	2.5	4.1	6.6	23/04/2021	0.7	19.5	20.2
21/07/2021	2.4	2.5	4.9	20/08/2021	< 0.1	19.2	19.2
12/04/2021	2.4	3.6	6.0	10/10/2021	0.4	16.9	17.3
12/08/2021	2.1	3.6	5.7	15/08/2021	< 0.1	16.1	16.1
21/09/2021	2.0	3.1	5.1	03/05/2021	< 0.1	14.9	14.9
30/05/2021	1.9	2.3	4.2	23/08/2021	< 0.1	14.7	14.7
28/08/2021	1.8	5.3	7.1	14/08/2021	0.4	14.3	14.7
21/04/2021	1.8	5.8	7.6	30/04/2021	0.4	13.7	14.1

Highest incremental PM _{2.5} impact – Receptor R3				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/06/2021	4.1	2.4	6.5	04/05/2021	0.6	40.3	40.9
29/05/2021	3.4	3.4	6.8	29/04/2021	0.2	21.8	22.0
21/07/2021	2.4	2.5	4.9	23/04/2021	< 0.1	19.5	19.5
10/07/2021	2.4	4.1	6.5	20/08/2021	< 0.1	19.2	19.2
30/05/2021	2.2	2.3	4.5	10/10/2021	1.0	16.9	17.9
11/12/2021	2.2	2.1	4.3	19/01/2021	3.0	13.8	16.8
21/09/2021	2.1	3.1	5.2	15/08/2021	< 0.1	16.1	16.1
07/05/2021	2.0	4.5	6.5	03/05/2021	< 0.1	14.9	14.9
12/04/2021	2.0	3.6	5.6	23/08/2021	< 0.1	14.7	14.7
28/05/2021	1.9	4.9	6.8	14/08/2021	0.1	14.3	14.4

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
13/02/2021	3.8	6.2	10.0	04/05/2021	0.5	40.3	40.8
21/11/2021	3.6	1.9	5.5	29/04/2021	0.3	21.8	22.1
22/11/2021	3.2	4.4	7.6	23/04/2021	1.1	19.5	20.6
23/02/2021	3.1	5.3	8.4	20/08/2021	< 0.1	19.2	19.2
31/01/2021	3.1	8.1	11.2	10/10/2021	0.1	16.9	17.0
01/01/2021	3.1	1.7	4.8	15/08/2021	0.3	16.1	16.4
28/12/2021	3.1	1.2	4.3	03/05/2021	< 0.1	14.9	14.9
07/01/2021	3.1	2.7	5.8	23/08/2021	< 0.1	14.7	14.7
19/01/2021	3.0	13.8	16.8	14/08/2021	0.1	14.3	14.4
27/12/2021	3.0	2.0	5.0	22/04/2021	1.0	13.4	14.4

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/02/2021	3.6	2.9	6.5	04/05/2021	0.4	40.3	40.7
21/03/2021	3.2	4.9	8.1	29/04/2021	0.6	21.8	22.4
29/01/2021	3.2	4.3	7.5	23/04/2021	0.8	19.5	20.3
22/03/2021	2.8	2.4	5.2	20/08/2021	< 0.1	19.2	19.2
10/03/2021	2.6	4.9	7.5	10/10/2021	0.2	16.9	17.1
02/11/2021	2.5	3.5	6.0	15/08/2021	< 0.1	16.1	16.1
23/11/2021	2.3	3.8	6.1	03/05/2021	< 0.1	14.9	14.9
09/11/2021	2.1	4.4	6.5	23/08/2021	< 0.1	14.7	14.7
24/12/2021	2.0	5.9	7.9	14/08/2021	0.3	14.3	14.6
17/11/2021	1.9	4.5	6.4	21/08/2021	< 0.1	13.8	13.8

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R9			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
18/03/2021	2.9	2.5	5.4	04/05/2021	0.3	40.3	40.6
11/11/2021	2.7	3.6	6.3	29/04/2021	< 0.1	21.8	21.8
19/03/2021	2.5	2.9	5.4	23/04/2021	< 0.1	19.5	19.5
20/03/2021	2.4	1.5	3.9	20/08/2021	< 0.1	19.2	19.2
17/03/2021	2.4	3.3	5.7	10/10/2021	0.3	16.9	17.2
22/12/2021	2.1	4.4	6.5	15/08/2021	< 0.1	16.1	16.1
18/02/2021	2.0	3.9	5.9	19/01/2021	1.7	13.8	15.5
28/01/2021	1.9	8.3	10.2	03/05/2021	< 0.1	14.9	14.9
24/02/2021	1.8	3.6	5.4	23/08/2021	< 0.1	14.7	14.7
05/04/2021	1.8	10.2	12.0	14/08/2021	< 0.1	14.3	14.4

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R7			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
28/01/2021	2.7	8.3	11.0	04/05/2021	0.3	40.3	40.6
19/03/2021	2.7	2.9	5.6	29/04/2021	0.3	21.8	22.1
16/02/2021	2.6	5.7	8.3	23/04/2021	0.9	19.5	20.4
05/12/2021	2.3	4.3	6.6	20/08/2021	< 0.1	19.2	19.2
16/12/2021	2.2	6.6	8.8	10/10/2021	< 0.1	16.9	17.0
18/03/2021	2.1	2.5	4.6	15/08/2021	< 0.1	16.1	16.1
09/02/2021	2.1	8.3	10.4	03/05/2021	< 0.1	14.9	14.9
08/11/2021	2.0	5.0	7.0	23/08/2021	< 0.1	14.7	14.7
17/02/2021	1.9	4.8	6.7	14/08/2021	0.1	14.3	14.4
01/01/2021	1.9	1.7	3.6	22/04/2021	0.7	13.4	14.1

Highest incremental PM _{2.5} impact – Receptor R13				Highest cumulative PM _{2.5} impact – Receptor R47			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/11/2021	2.5	3.7	6.2	04/05/2021	0.3	40.3	40.6
22/03/2021	2.3	2.4	4.7	29/04/2021	< 0.1	21.8	21.8
17/11/2021	2.0	4.5	6.5	23/04/2021	< 0.1	19.5	19.5
03/11/2021	1.9	2.7	4.6	20/08/2021	< 0.1	19.2	19.2
17/12/2021	1.9	5.1	7.0	10/10/2021	0.2	16.9	17.1
20/02/2021	1.8	2.0	3.8	15/08/2021	< 0.1	16.1	16.1
30/11/2021	1.8	6.7	8.5	03/05/2021	< 0.1	14.9	14.9
13/10/2021	1.7	3.4	5.1	23/08/2021	< 0.1	14.7	14.7
13/01/2021	1.7	3.3	5.0	19/01/2021	0.8	13.8	14.6
23/03/2021	1.7	< 0.1	1.7	14/08/2021	< 0.1	14.3	14.3

Highest incremental PM _{2.5} impact – Receptor R15				Highest cumulative PM _{2.5} impact – Receptor R8			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/08/2021	2.4	12.2	14.6	04/05/2021	0.2	40.3	40.5
23/06/2021	2.2	5.6	7.8	29/04/2021	0.2	21.8	22.0
03/09/2021	2.1	6.7	8.8	23/04/2021	0.7	19.5	20.2
31/07/2021	2.0	10.6	12.6	20/08/2021	< 0.1	19.2	19.2
18/12/2021	1.9	3.7	5.5	10/10/2021	< 0.1	16.9	17.0
25/05/2021	1.8	6.4	8.2	15/08/2021	< 0.1	16.1	16.1
13/03/2021	1.8	6.8	8.6	03/05/2021	< 0.1	14.9	14.9
24/06/2021	1.7	3.7	5.4	23/08/2021	< 0.1	14.7	14.7
07/06/2021	1.7	6.9	8.6	14/08/2021	0.1	14.3	14.4
17/09/2021	1.6	4.6	6.2	22/04/2021	0.4	13.4	13.8

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	3.8	3.8
R2	4.7	4.7
R3	4.1	4.1
R4	4.5	4.5
R5	2.0	2.0
R6	2.1	2.1
R7	1.2	1.2
R8	1.0	1.0
R9	1.7	1.7
R10	2.7	2.7
R11	2.9	2.9
R12	3.6	3.6
R13	2.5	2.5
R14	6.3	6.3
R15	2.4	2.4
R16	0.2	0.2
R17	0.1	0.1
R18	0.1	0.1
R19	0.2	0.2
R20	0.3	0.3
R21	0.2	0.2
R22	0.2	0.2
R23	0.1	0.1
R24	0.1	0.1
R25	0.1	0.1
R26	0.2	0.2
R27	0.1	0.1
R28	0.3	0.3
R29	0.2	0.2
R30	0.2	0.2
R31	0.3	0.3

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	0.2	0.2
R33	0.1	0.1
R34	0.1	0.1
R35	0.1	0.1
R36	0.1	0.1
R37	0.1	0.1
R38	0.7	0.7
R39	0.3	0.3
R40	1.3	1.3
R41	1.0	1.0
R42	0.7	0.7
R43	0.6	0.6
R44	1.4	1.4
R45	1.2	1.2
R46	0.8	0.8
R47	1.3	1.3
R48	1.6	1.6
R49	0.5	0.5
R50	0.6	0.6
R51	0.4	0.4
R52	0.2	0.2
R53	0.3	0.3
R54	0.3	0.3
R55	0.2	0.2
R56	0.3	0.3
R57	0.3	0.3
R58	0.3	0.3
R59	0.4	0.4
R60	0.5	0.5
R61	0.3	0.3
R62	0.3	0.3
R63	0.3	0.3
R64	0.3	0.3
R65	0.3	0.3
R66	0.2	0.2
R67	0.3	0.3

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	0.3	0.3
R69	0.2	0.2
R70	0.4	0.4
R71	1.1	1.1
R72	1.2	1.2
R73	1.5	1.5
R74	0.6	0.6
R75	0.2	0.2
R76	0.2	0.2
R77	0.3	0.3
R78	0.5	0.5
R79	0.3	0.3
R80	0.2	0.2
R81	0.4	0.4
R82	0.2	0.2
R83	0.2	0.2
R84	0.2	0.2
R85	0.4	0.4
R86	0.4	0.4
R87	0.2	0.2
R88	0.3	0.3
R89	0.2	0.2
R90	0.2	0.2
R91	0.2	0.2
R92	0.2	0.2
R93	0.2	0.2
R94	0.3	0.3
R95	0.2	0.2
R96	0.1	0.1
R97	0.1	0.1
R98	0.3	0.3
R99	0.3	0.3
R100	0.2	0.2
R101	0.1	0.1
R102	0.2	0.2
R103	0.1	0.1

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R104	0.2	0.2
R105	< 0.1	< 0.1
R106	0.2	0.2
R107	< 0.1	< 0.1
R108	0.2	0.2
R109	0.1	0.1
R110	0.3	0.3
R111	0.1	0.1
R112	0.1	0.1
R113	0.2	0.2
R114	0.1	0.1
R115	< 0.1	< 0.1
R116	< 0.1	< 0.1
R117	< 0.1	< 0.1
R118	0.2	0.2
R119	0.2	0.2
R120	0.1	0.1
R121	0.1	0.1
R122	0.2	0.2
R123	0.2	0.2
R124	< 0.1	< 0.1
R125	0.1	0.1
R126	< 0.1	< 0.1
R127	0.5	0.5
R128	0.3	0.3

Particulate matter – annual averages

Annual average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	PM2.5 ($\mu\text{g}/\text{m}^3$)			PM10 ($\mu\text{g}/\text{m}^3$)			TSP ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			8			25			90
R1	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.6
R2	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R3	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R4	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R5	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R6	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R7	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R8	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R9	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R10	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R11	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R12	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R13	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R14	< 0.1	5.8	5.8	< 0.1	16.3	16.4	< 0.1	33.5	33.6
R15	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R16	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R17	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R18	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R19	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R20	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R21	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R22	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R23	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R24	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R25	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R26	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R27	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R28	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R29	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R30	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Rec.	PM2.5 ($\mu\text{g}/\text{m}^3$)			PM10 ($\mu\text{g}/\text{m}^3$)			TSP ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R32	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R33	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R34	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R35	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R36	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R37	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R38	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R39	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R40	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R41	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R42	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R43	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R44	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R45	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R46	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R47	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R48	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R49	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R50	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R51	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R52	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R53	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R54	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R55	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R56	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R57	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R58	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R59	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R60	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R61	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R62	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R63	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R64	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R65	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Rec.	PM2.5 (µg/m³)			PM10 (µg/m³)			TSP (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R67	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R68	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R69	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R70	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R71	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R72	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R73	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R74	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R75	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R76	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R77	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R78	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R79	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R80	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R81	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R82	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R83	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R84	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R85	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R86	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R87	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R88	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R89	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R90	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R91	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R92	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R93	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R94	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R95	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R96	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R97	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R98	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R99	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R100	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Rec.	PM2.5 (µg/m³)			PM10 (µg/m³)			TSP (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R102	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R103	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R104	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R105	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R106	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R107	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R108	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R109	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R110	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R111	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R112	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R113	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R114	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R115	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R116	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R117	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R118	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R119	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R120	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R121	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R122	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R123	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R124	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R125	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R126	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R127	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5
R128	< 0.1	5.8	5.8	< 0.1	16.3	16.3	< 0.1	33.5	33.5

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R2	0.3	< 0.1	0.3	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R3	0.2	< 0.1	0.2	0.2	< 0.1	0.2	0.1	< 0.1	0.1
R4	0.2	0.5	0.7	0.2	0.4	0.5	0.1	< 0.1	0.1
R5	0.2	0.7	0.8	0.1	0.5	0.6	< 0.1	< 0.1	< 0.1
R6	0.2	0.8	1.0	0.1	0.6	0.8	< 0.1	0.2	0.2
R7	< 0.1	0.8	0.9	< 0.1	0.6	0.7	< 0.1	< 0.1	< 0.1
R8	< 0.1	0.7	0.7	< 0.1	0.5	0.6	< 0.1	< 0.1	< 0.1
R9	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R10	0.2	< 0.1	0.2	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R11	0.2	0.2	0.3	0.1	0.1	0.2	< 0.1	0.1	0.2
R12	0.2	< 0.1	0.3	0.1	< 0.1	0.2	0.1	< 0.1	0.1
R13	0.2	< 0.1	0.2	0.1	< 0.1	0.1	< 0.1	< 0.1	0.1
R14	0.3	0.2	0.5	0.2	0.1	0.4	0.2	0.1	0.3
R15	0.2	0.3	0.5	0.2	0.2	0.4	< 0.1	< 0.1	0.2
R16	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R17	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R18	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R19	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R20	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R21	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R22	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R23	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R24	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R25	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R26	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R27	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R28	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R29	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R30	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R32	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R33	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R34	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R35	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R36	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R37	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R38	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R39	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.3
R40	0.2	0.7	0.8	0.1	0.5	0.6	< 0.1	< 0.1	< 0.1
R41	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R42	< 0.1	< 0.1	0.2	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R43	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R44	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R45	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R46	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R47	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R48	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R49	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R50	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R51	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R52	< 0.1	0.8	0.9	< 0.1	0.6	0.7	< 0.1	< 0.1	< 0.1
R53	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R54	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R55	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R56	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R57	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R58	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R59	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R60	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R61	< 0.1	0.2	0.2	< 0.1	0.1	0.2	< 0.1	< 0.1	< 0.1
R62	< 0.1	0.2	0.2	< 0.1	0.1	0.2	< 0.1	0.1	0.2
R63	< 0.1	0.3	0.4	< 0.1	0.2	0.3	< 0.1	< 0.1	< 0.1
R64	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R65	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R67	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R68	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R69	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R70	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R71	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R72	< 0.1	0.2	0.2	< 0.1	0.1	0.2	< 0.1	< 0.1	0.1
R73	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1
R74	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R75	< 0.1	0.3	0.3	< 0.1	0.2	0.3	< 0.1	0.2	0.2
R76	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R77	< 0.1	0.2	0.2	< 0.1	0.1	0.2	< 0.1	< 0.1	< 0.1
R78	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R79	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R80	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R81	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R82	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R83	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R84	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R85	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R86	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R87	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R88	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R89	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R90	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R91	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R92	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R93	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	< 0.1	< 0.1
R94	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R95	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R96	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R97	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R98	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R99	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R102	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R104	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R105	< 0.1	0.2	0.2	< 0.1	0.1	0.1	< 0.1	0.1	0.1
R106	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R107	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R108	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R109	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R110	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R111	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R112	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R113	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R114	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.3
R115	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R116	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R117	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R118	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R119	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R120	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R121	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R122	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R123	< 0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R124	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R125	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R126	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R127	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R128	< 0.1	0.8	0.9	< 0.1	0.6	0.6	< 0.1	0.3	0.3

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	0.3	2.9	3.1	< 0.1	0.2	0.3
R2	0.2	< 0.1	0.2	< 0.1	0.5	0.5
R3	0.2	< 0.1	0.2	< 0.1	0.5	0.5
R4	0.2	2.9	3.1	< 0.1	0.5	0.5
R5	0.2	2.9	3.0	< 0.1	0.5	0.5
R6	0.2	2.9	3.0	< 0.1	< 0.1	< 0.1
R7	< 0.1	2.9	2.9	< 0.1	1.0	1.0
R8	< 0.1	2.9	2.9	< 0.1	1.0	1.0
R9	0.1	< 0.1	0.1	< 0.1	1.5	1.6
R10	0.1	< 0.1	0.1	< 0.1	< 0.1	< 0.1
R11	0.1	2.9	3.0	< 0.1	0.6	0.6
R12	0.2	1.4	1.6	< 0.1	0.1	0.2
R13	0.2	< 0.1	0.2	< 0.1	0.2	0.3
R14	0.3	< 0.1	0.3	< 0.1	8.2	8.3
R15	0.2	< 0.1	0.2	< 0.1	0.6	0.6
R16	< 0.1	< 0.1	< 0.1	< 0.1	1.1	1.1
R17	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R18	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R19	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R20	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R21	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R22	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R23	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R24	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R25	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R26	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R27	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R28	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R29	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R30	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	< 0.1	< 0.1	< 0.1	< 0.1	1.5	1.6
R32	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R33	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R34	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R35	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R36	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R37	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R38	< 0.1	< 0.1	< 0.1	< 0.1	1.0	1.0
R39	< 0.1	< 0.1	< 0.1	< 0.1	1.4	1.4
R40	0.2	5.7	5.9	< 0.1	3.5	3.5
R41	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R42	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R43	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R44	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R45	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R46	0.1	< 0.1	0.1	< 0.1	0.4	0.4
R47	0.1	2.9	3.0	< 0.1	< 0.1	< 0.1
R48	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R49	< 0.1	< 0.1	< 0.1	< 0.1	1.0	1.0
R50	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R51	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R52	< 0.1	2.9	2.9	< 0.1	1.0	1.0
R53	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R54	< 0.1	2.9	2.9	< 0.1	1.8	1.8
R55	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R56	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R57	< 0.1	< 0.1	< 0.1	< 0.1	1.5	1.6
R58	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R59	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R60	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R61	< 0.1	11.4	11.5	< 0.1	0.4	0.4
R62	< 0.1	< 0.1	< 0.1	< 0.1	1.7	1.7
R63	< 0.1	2.9	2.9	< 0.1	1.9	1.9
R64	< 0.1	2.9	2.9	< 0.1	1.3	1.3
R65	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4

Rec.	1-hour (µg/m³)			24-hour (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	< 0.1	< 0.1	< 0.1	< 0.1	1.1	1.1
R67	< 0.1	2.9	2.9	< 0.1	1.2	1.2
R68	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R69	< 0.1	2.9	2.9	< 0.1	1.9	1.9
R70	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R71	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.3
R72	< 0.1	< 0.1	< 0.1	< 0.1	3.7	3.7
R73	0.1	< 0.1	0.1	< 0.1	3.7	3.7
R74	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R75	< 0.1	2.9	2.9	< 0.1	1.8	1.8
R76	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R77	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R78	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R79	< 0.1	11.4	11.5	< 0.1	0.4	0.4
R80	< 0.1	< 0.1	< 0.1	< 0.1	4.4	4.4
R81	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R82	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R83	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R84	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R85	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R86	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R87	< 0.1	2.9	2.9	< 0.1	0.2	0.2
R88	< 0.1	< 0.1	< 0.1	< 0.1	1.7	1.7
R89	< 0.1	< 0.1	< 0.1	< 0.1	1.7	1.7
R90	< 0.1	2.9	2.9	< 0.1	1.3	1.3
R91	< 0.1	2.9	2.9	< 0.1	0.2	0.2
R92	< 0.1	2.9	2.9	< 0.1	1.3	1.3
R93	< 0.1	11.4	11.5	< 0.1	< 0.1	< 0.1
R94	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R95	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R96	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R97	< 0.1	< 0.1	< 0.1	< 0.1	1.0	1.0
R98	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R99	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R100	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R102	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R103	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R104	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R105	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R106	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R107	< 0.1	< 0.1	< 0.1	< 0.1	1.4	1.4
R108	< 0.1	< 0.1	< 0.1	< 0.1	1.0	1.0
R109	< 0.1	< 0.1	< 0.1	< 0.1	1.8	1.8
R110	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R111	< 0.1	2.9	2.9	< 0.1	1.4	1.4
R112	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R113	< 0.1	< 0.1	< 0.1	< 0.1	2.4	2.4
R114	< 0.1	< 0.1	< 0.1	< 0.1	1.4	1.4
R115	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R116	< 0.1	< 0.1	< 0.1	< 0.1	0.6	0.6
R117	< 0.1	< 0.1	< 0.1	< 0.1	0.7	0.7
R118	< 0.1	< 0.1	< 0.1	< 0.1	1.1	1.1
R119	< 0.1	2.9	2.9	< 0.1	1.2	1.2
R120	< 0.1	< 0.1	< 0.1	< 0.1	0.4	0.4
R121	< 0.1	< 0.1	< 0.1	< 0.1	1.0	1.0
R122	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R123	< 0.1	< 0.1	< 0.1	< 0.1	0.8	0.8
R124	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
R125	< 0.1	< 0.1	< 0.1	< 0.1	0.2	0.2
R126	< 0.1	< 0.1	< 0.1	< 0.1	0.1	0.1
R127	< 0.1	< 0.1	< 0.1	< 0.1	0.5	0.5
R128	< 0.1	2.9	2.9	< 0.1	0.5	0.5

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	1.61E-09	1.09E-04	3.92E-05	2.74E-05	1.11E-05
R2	1.76E-09	1.19E-04	4.27E-05	2.98E-05	1.21E-05
R3	1.54E-09	1.04E-04	3.75E-05	2.61E-05	1.06E-05
R4	1.58E-09	1.07E-04	3.85E-05	2.68E-05	1.09E-05
R5	9.32E-10	6.30E-05	2.27E-05	1.58E-05	6.40E-06
R6	9.07E-10	6.13E-05	2.21E-05	1.54E-05	6.23E-06
R7	6.31E-10	4.26E-05	1.53E-05	1.07E-05	4.33E-06
R8	5.39E-10	3.65E-05	1.31E-05	9.16E-06	3.70E-06
R9	8.07E-10	5.45E-05	1.96E-05	1.37E-05	5.54E-06
R10	1.22E-09	8.27E-05	2.98E-05	2.08E-05	8.40E-06
R11	1.34E-09	9.03E-05	3.25E-05	2.27E-05	9.17E-06
R12	1.52E-09	1.03E-04	3.69E-05	2.58E-05	1.04E-05
R13	1.47E-09	9.92E-05	3.57E-05	2.49E-05	1.01E-05
R14	2.67E-09	1.81E-04	6.50E-05	4.53E-05	1.83E-05
R15	1.11E-09	7.51E-05	2.70E-05	1.89E-05	7.63E-06
R16	7.58E-11	5.12E-06	1.84E-06	1.29E-06	5.21E-07
R17	7.02E-11	4.74E-06	1.71E-06	1.19E-06	4.82E-07
R18	6.38E-11	4.31E-06	1.55E-06	1.08E-06	4.38E-07
R19	1.18E-10	7.98E-06	2.87E-06	2.00E-06	8.11E-07
R20	1.46E-10	9.85E-06	3.55E-06	2.47E-06	1.00E-06
R21	1.45E-10	9.81E-06	3.53E-06	2.46E-06	9.97E-07
R22	1.13E-10	7.63E-06	2.75E-06	1.92E-06	7.75E-07
R23	7.38E-11	4.99E-06	1.80E-06	1.25E-06	5.07E-07
R24	6.97E-11	4.71E-06	1.70E-06	1.18E-06	4.78E-07
R25	9.07E-11	6.13E-06	2.21E-06	1.54E-06	6.23E-07
R26	1.01E-10	6.80E-06	2.45E-06	1.71E-06	6.91E-07
R27	3.79E-11	2.56E-06	9.22E-07	6.43E-07	2.60E-07
R28	1.42E-10	9.60E-06	3.45E-06	2.41E-06	9.75E-07
R29	1.47E-10	9.93E-06	3.57E-06	2.49E-06	1.01E-06
R30	1.41E-10	9.55E-06	3.44E-06	2.40E-06	9.70E-07
R31	2.05E-10	1.39E-05	5.00E-06	3.48E-06	1.41E-06
R32	1.22E-10	8.23E-06	2.96E-06	2.07E-06	8.36E-07

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	8.41E-11	5.68E-06	2.05E-06	1.43E-06	5.77E-07
R34	8.28E-11	5.60E-06	2.01E-06	1.40E-06	5.68E-07
R35	7.56E-11	5.11E-06	1.84E-06	1.28E-06	5.19E-07
R36	7.41E-11	5.01E-06	1.80E-06	1.26E-06	5.09E-07
R37	7.44E-11	5.03E-06	1.81E-06	1.26E-06	5.11E-07
R38	3.69E-10	2.49E-05	8.98E-06	6.26E-06	2.53E-06
R39	2.10E-10	1.42E-05	5.11E-06	3.57E-06	1.44E-06
R40	8.51E-10	5.75E-05	2.07E-05	1.44E-05	5.84E-06
R41	5.55E-10	3.75E-05	1.35E-05	9.42E-06	3.81E-06
R42	4.38E-10	2.96E-05	1.07E-05	7.44E-06	3.01E-06
R43	4.01E-10	2.71E-05	9.76E-06	6.81E-06	2.75E-06
R44	6.87E-10	4.64E-05	1.67E-05	1.17E-05	4.72E-06
R45	5.20E-10	3.52E-05	1.27E-05	8.83E-06	3.57E-06
R46	4.65E-10	3.14E-05	1.13E-05	7.89E-06	3.19E-06
R47	6.01E-10	4.06E-05	1.46E-05	1.02E-05	4.13E-06
R48	7.00E-10	4.73E-05	1.70E-05	1.19E-05	4.81E-06
R49	3.55E-10	2.40E-05	8.65E-06	6.03E-06	2.44E-06
R50	4.23E-10	2.86E-05	1.03E-05	7.18E-06	2.90E-06
R51	2.64E-10	1.79E-05	6.43E-06	4.48E-06	1.81E-06
R52	1.63E-10	1.10E-05	3.97E-06	2.77E-06	1.12E-06
R53	1.79E-10	1.21E-05	4.35E-06	3.03E-06	1.23E-06
R54	1.89E-10	1.28E-05	4.61E-06	3.21E-06	1.30E-06
R55	1.51E-10	1.02E-05	3.67E-06	2.56E-06	1.04E-06
R56	1.92E-10	1.30E-05	4.68E-06	3.26E-06	1.32E-06
R57	1.86E-10	1.26E-05	4.53E-06	3.16E-06	1.28E-06
R58	1.80E-10	1.22E-05	4.39E-06	3.06E-06	1.24E-06
R59	2.40E-10	1.62E-05	5.84E-06	4.07E-06	1.65E-06
R60	1.94E-10	1.31E-05	4.72E-06	3.29E-06	1.33E-06
R61	1.98E-10	1.34E-05	4.82E-06	3.36E-06	1.36E-06
R62	2.42E-10	1.64E-05	5.89E-06	4.11E-06	1.66E-06
R63	2.53E-10	1.71E-05	6.15E-06	4.29E-06	1.74E-06
R64	1.72E-10	1.16E-05	4.18E-06	2.92E-06	1.18E-06
R65	1.24E-10	8.39E-06	3.02E-06	2.11E-06	8.53E-07
R66	9.13E-11	6.17E-06	2.22E-06	1.55E-06	6.27E-07
R67	9.02E-11	6.10E-06	2.20E-06	1.53E-06	6.20E-07
R68	9.15E-11	6.19E-06	2.23E-06	1.55E-06	6.28E-07
R69	1.22E-10	8.28E-06	2.98E-06	2.08E-06	8.41E-07

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	2.64E-10	1.79E-05	6.43E-06	4.48E-06	1.81E-06
R71	4.76E-10	3.22E-05	1.16E-05	8.08E-06	3.27E-06
R72	5.62E-10	3.80E-05	1.37E-05	9.53E-06	3.86E-06
R73	6.57E-10	4.44E-05	1.60E-05	1.12E-05	4.51E-06
R74	2.14E-10	1.45E-05	5.21E-06	3.64E-06	1.47E-06
R75	1.01E-10	6.83E-06	2.46E-06	1.71E-06	6.94E-07
R76	8.86E-11	5.99E-06	2.16E-06	1.50E-06	6.08E-07
R77	2.13E-10	1.44E-05	5.18E-06	3.61E-06	1.46E-06
R78	2.23E-10	1.51E-05	5.42E-06	3.78E-06	1.53E-06
R79	1.66E-10	1.12E-05	4.05E-06	2.82E-06	1.14E-06
R80	1.54E-10	1.04E-05	3.74E-06	2.61E-06	1.06E-06
R81	1.69E-10	1.14E-05	4.12E-06	2.87E-06	1.16E-06
R82	1.96E-10	1.33E-05	4.78E-06	3.33E-06	1.35E-06
R83	1.77E-10	1.20E-05	4.31E-06	3.00E-06	1.22E-06
R84	1.85E-10	1.25E-05	4.50E-06	3.14E-06	1.27E-06
R85	1.63E-10	1.10E-05	3.96E-06	2.76E-06	1.12E-06
R86	1.80E-10	1.22E-05	4.39E-06	3.06E-06	1.24E-06
R87	1.33E-10	9.01E-06	3.24E-06	2.26E-06	9.15E-07
R88	1.87E-10	1.26E-05	4.54E-06	3.17E-06	1.28E-06
R89	1.58E-10	1.07E-05	3.86E-06	2.69E-06	1.09E-06
R90	1.22E-10	8.27E-06	2.98E-06	2.08E-06	8.40E-07
R91	1.05E-10	7.13E-06	2.57E-06	1.79E-06	7.24E-07
R92	1.27E-10	8.62E-06	3.10E-06	2.16E-06	8.76E-07
R93	1.25E-10	8.42E-06	3.03E-06	2.11E-06	8.55E-07
R94	1.11E-10	7.52E-06	2.71E-06	1.89E-06	7.64E-07
R95	9.41E-11	6.36E-06	2.29E-06	1.60E-06	6.46E-07
R96	9.72E-11	6.57E-06	2.36E-06	1.65E-06	6.67E-07
R97	1.08E-10	7.30E-06	2.63E-06	1.83E-06	7.42E-07
R98	1.05E-10	7.09E-06	2.55E-06	1.78E-06	7.20E-07
R99	2.12E-10	1.43E-05	5.15E-06	3.59E-06	1.45E-06
R100	1.49E-10	1.01E-05	3.64E-06	2.54E-06	1.03E-06
R101	6.63E-11	4.48E-06	1.61E-06	1.12E-06	4.55E-07
R102	9.53E-11	6.44E-06	2.32E-06	1.62E-06	6.55E-07
R103	8.23E-11	5.56E-06	2.00E-06	1.40E-06	5.65E-07
R104	1.13E-10	7.65E-06	2.76E-06	1.92E-06	7.77E-07
R105	5.38E-11	3.64E-06	1.31E-06	9.13E-07	3.69E-07
R106	5.23E-11	3.54E-06	1.27E-06	8.88E-07	3.59E-07

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	5.97E-11	4.03E-06	1.45E-06	1.01E-06	4.10E-07
R108	1.20E-10	8.08E-06	2.91E-06	2.03E-06	8.21E-07
R109	6.38E-11	4.31E-06	1.55E-06	1.08E-06	4.38E-07
R110	6.27E-11	4.24E-06	1.53E-06	1.06E-06	4.30E-07
R111	5.67E-11	3.83E-06	1.38E-06	9.62E-07	3.89E-07
R112	8.82E-11	5.97E-06	2.15E-06	1.50E-06	6.06E-07
R113	1.21E-10	8.16E-06	2.94E-06	2.05E-06	8.29E-07
R114	4.60E-11	3.11E-06	1.12E-06	7.80E-07	3.16E-07
R115	3.76E-11	2.54E-06	9.14E-07	6.38E-07	2.58E-07
R116	3.66E-11	2.47E-06	8.90E-07	6.21E-07	2.51E-07
R117	2.55E-11	1.73E-06	6.22E-07	4.33E-07	1.75E-07
R118	6.06E-11	4.09E-06	1.47E-06	1.03E-06	4.16E-07
R119	9.32E-11	6.30E-06	2.27E-06	1.58E-06	6.40E-07
R120	6.73E-11	4.55E-06	1.64E-06	1.14E-06	4.62E-07
R121	8.62E-11	5.83E-06	2.10E-06	1.46E-06	5.92E-07
R122	1.36E-10	9.21E-06	3.31E-06	2.31E-06	9.35E-07
R123	9.77E-11	6.61E-06	2.38E-06	1.66E-06	6.71E-07
R124	6.18E-11	4.18E-06	1.50E-06	1.05E-06	4.24E-07
R125	1.42E-10	9.61E-06	3.46E-06	2.41E-06	9.77E-07
R126	3.53E-11	2.39E-06	8.59E-07	5.99E-07	2.42E-07
R127	3.02E-10	2.04E-05	7.34E-06	5.12E-06	2.07E-06
R128	1.99E-10	1.35E-05	4.85E-06	3.38E-06	1.37E-06
Max. at boundary	3.71E-09	2.51E-04	–	–	2.54E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	4.20E-11	2.84E-06	1.02E-06	7.14E-07	2.89E-07
R108	8.11E-11	5.48E-06	1.97E-06	1.38E-06	5.57E-07
R109	5.42E-11	3.66E-06	1.32E-06	9.20E-07	3.72E-07
R110	4.53E-11	3.06E-06	1.10E-06	7.69E-07	3.11E-07
R111	3.30E-11	2.23E-06	8.03E-07	5.60E-07	2.27E-07
R112	5.67E-11	3.84E-06	1.38E-06	9.63E-07	3.90E-07
R113	7.23E-11	4.89E-06	1.76E-06	1.23E-06	4.97E-07
R114	3.03E-11	2.05E-06	7.39E-07	5.15E-07	2.08E-07
R115	2.36E-11	1.60E-06	5.75E-07	4.01E-07	1.62E-07
R116	2.40E-11	1.63E-06	5.85E-07	4.08E-07	1.65E-07
R117	1.60E-11	1.08E-06	3.88E-07	2.71E-07	1.10E-07
R118	4.12E-11	2.78E-06	1.00E-06	6.99E-07	2.83E-07
R119	6.08E-11	4.11E-06	1.48E-06	1.03E-06	4.18E-07
R120	4.86E-11	3.29E-06	1.18E-06	8.26E-07	3.34E-07
R121	6.23E-11	4.21E-06	1.52E-06	1.06E-06	4.28E-07
R122	1.18E-10	8.01E-06	2.88E-06	2.01E-06	8.14E-07
R123	6.79E-11	4.59E-06	1.65E-06	1.15E-06	4.66E-07
R124	4.14E-11	2.80E-06	1.01E-06	7.02E-07	2.84E-07
R125	1.16E-10	7.82E-06	2.81E-06	1.96E-06	7.94E-07
R126	2.86E-11	1.93E-06	6.95E-07	4.85E-07	1.96E-07
R127	1.80E-10	1.22E-05	4.38E-06	3.05E-06	1.24E-06
R128	1.42E-10	9.61E-06	3.46E-06	2.41E-06	9.76E-07
Max. at boundary	2.39E-09	1.62E-04	–	–	1.64E-05

Nitrogen dioxide (NO₂)

Maximum 1-hour concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.
Criterion			164
R1	3 634.1	8.2	3 642.3
R2	4 520.8	12.3	4 533.1
R3	3 904.6	12.3	3 916.9
R4	4 472.9	12.3	4 485.2
R5	2 333.5	12.3	2 345.8
R6	1 973.7	6.1	1 979.8
R7	1 293.0	6.1	1 299.2
R8	1 065.2	12.3	1 077.5
R9	1 747.7	12.3	1 760.0
R10	2 135.1	10.2	2 145.4
R11	1 616.0	10.2	1 626.3
R12	2 744.5	8.2	2 752.7
R13	2 639.9	8.2	2 648.1
R14	3 249.2	4.1	3 253.3
R15	1 492.5	4.1	1 496.6
R16	882.1	6.1	888.3
R17	918.3	2.0	920.3
R18	906.7	2.0	908.8
R19	907.7	2.0	909.7
R20	708.3	< 0.1	708.3
R21	684.0	< 0.1	684.0
R22	721.5	< 0.1	721.5
R23	732.9	2.0	735.0
R24	648.8	2.0	650.9
R25	666.6	2.0	668.6
R26	552.7	6.1	558.9
R27	493.1	4.1	497.2
R28	787.9	6.1	794.1
R29	844.9	2.0	846.9
R30	831.4	2.0	833.5

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R31	784.0	8.2	792.2
R32	704.5	6.1	710.6
R33	626.9	2.0	629.0
R34	650.3	2.0	652.4
R35	645.7	4.1	649.8
R36	853.0	2.0	855.0
R37	857.5	2.0	859.5
R38	894.8	10.2	905.0
R39	637.6	4.1	641.7
R40	2 010.1	34.9	2 044.9
R41	940.6	6.1	946.7
R42	1 427.5	30.8	1 458.3
R43	948.4	10.2	958.7
R44	921.3	12.3	933.6
R45	943.3	12.3	955.6
R46	1 016.5	10.2	1 026.7
R47	1 248.9	8.2	1 257.1
R48	1 821.7	10.2	1 832.0
R49	1 467.4	12.3	1 479.7
R50	948.6	8.2	956.8
R51	855.4	2.0	857.5
R52	1 031.5	12.3	1 043.8
R53	970.8	2.0	972.9
R54	717.8	6.1	724.0
R55	817.7	2.0	819.7
R56	909.3	2.0	911.4
R57	776.3	8.2	784.5
R58	733.8	6.1	740.0
R59	761.9	6.1	768.1
R60	746.6	6.1	752.8
R61	689.1	4.1	693.2
R62	929.5	10.2	939.8
R63	922.6	4.1	926.7
R64	715.7	10.2	726.0
R65	833.9	2.0	836.0

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R66	817.5	4.1	821.6
R67	663.1	2.0	665.1
R68	616.5	4.1	620.6
R69	545.9	4.1	550.0
R70	752.0	6.1	758.1
R71	908.9	24.6	933.5
R72	977.9	24.6	1 002.5
R73	1 060.8	10.2	1 071.1
R74	727.0	2.0	729.1
R75	694.6	2.0	696.7
R76	609.2	< 0.1	609.2
R77	862.3	10.2	872.5
R78	886.3	4.1	890.4
R79	717.7	4.1	721.8
R80	640.6	10.2	650.9
R81	833.2	6.1	839.4
R82	820.7	16.4	837.1
R83	875.6	4.1	879.7
R84	867.0	6.1	873.1
R85	931.3	4.1	935.4
R86	851.1	4.1	855.2
R87	827.1	10.2	837.4
R88	754.6	10.2	764.8
R89	700.6	10.2	710.9
R90	580.8	12.3	593.1
R91	769.3	10.2	779.5
R92	682.9	10.2	693.2
R93	697.7	12.3	710.0
R94	827.0	4.1	831.1
R95	709.1	4.1	713.2
R96	827.3	12.3	839.6
R97	664.1	12.3	676.4
R98	733.0	8.2	741.2
R99	862.8	10.2	873.1
R100	663.2	< 0.1	663.2

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R101	646.2	8.2	654.4
R102	703.6	4.1	707.7
R103	741.2	2.0	743.3
R104	579.1	6.1	585.3
R105	388.2	4.1	392.3
R106	551.1	4.1	555.2
R107	566.2	4.1	570.3
R108	859.3	2.0	861.4
R109	799.9	2.0	801.9
R110	687.5	< 0.1	687.5
R111	680.3	2.0	682.4
R112	797.7	2.0	799.7
R113	808.7	2.0	810.7
R114	556.1	4.1	560.2
R115	687.6	6.1	693.7
R116	406.2	10.2	416.5
R117	651.9	6.1	658.1
R118	742.6	6.1	748.7
R119	635.8	< 0.1	635.8
R120	869.6	2.0	871.6
R121	589.6	< 0.1	589.6
R122	667.0	< 0.1	667.0
R123	701.7	< 0.1	701.7
R124	636.4	< 0.1	636.4
R125	672.1	< 0.1	672.1
R126	667.8	< 0.1	667.8
R127	869.4	8.2	877.6
R128	1 297.2	12.3	1 309.5

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	30 707.2	29/04/2021 07:00	3 070.7	0.34	< 0.1	0.635	0.1	0.02	3 634.1	8.2	3 642.3
R2	37 354.2	02/10/2021 06:00	3 735.4	0.62	< 0.1	0.635	0.1	0.02	4 520.8	12.3	4 533.1
R3	31 410.7	02/10/2021 06:00	3 141.1	0.62	< 0.1	0.635	0.1	0.03	3 904.6	12.3	3 916.9
R4	36 584.4	02/10/2021 06:00	3 658.4	0.62	< 0.1	0.635	0.1	0.02	4 472.9	12.3	4 485.2
R5	16 991.2	02/10/2021 06:00	1 699.1	0.62	< 0.1	0.635	0.1	0.04	2 333.5	12.3	2 345.8
R6	14 031.5	03/10/2021 06:00	1 403.2	0.13	< 0.1	0.635	0.1	0.05	1 973.7	6.1	1 979.8
R7	8 317.1	03/10/2021 06:00	831.7	0.13	< 0.1	0.635	0.1	0.06	1 293.0	6.1	1 299.2
R8	6 575.2	25/09/2021 06:00	657.5	0.53	4.36	0.635	0.1	0.07	1 065.2	12.3	1 077.5
R9	12 944.9	04/05/2021 07:00	1 294.5	0.40	< 0.1	0.635	0.1	0.04	1 747.7	12.3	1 760.0
R10	17 219.9	27/09/2021 06:00	1 722.0	0.16	1.09	0.635	0.1	0.03	2 135.1	10.2	2 145.4
R11	13 429.8	27/09/2021 06:00	1 343.0	0.16	1.09	0.635	0.1	0.02	1 616.0	10.2	1 626.3
R12	25 895.1	19/08/2021 07:00	2 589.5	0.16	4.36	0.49	0.05	0.01	2 744.5	8.2	2 752.7
R13	24 659.1	19/08/2021 07:00	2 465.9	0.16	4.36	0.49	0.05	0.01	2 639.9	8.2	2 648.1
R14	30 676.0	20/08/2021 07:00	3 067.6	< 0.1	1.09	0.49	0.05	0.01	3 249.2	4.1	3 253.3
R15	13 186.1	20/08/2021 07:00	1 318.6	< 0.1	1.09	0.49	0.05	0.01	1 492.5	4.1	1 496.6
R16	2 630.9	12/11/2021 18:00	263.1	1.86	29.43	0.74	0.1	0.26	882.1	6.1	888.3
R17	2 209.5	15/11/2021 04:00	220.9	2.57	22.89	0.74	0.1	0.35	918.3	2.0	920.3
R18	2 199.1	15/11/2021 04:00	219.9	2.57	22.89	0.74	0.1	0.35	906.7	2.0	908.8
R19	3 529.1	13/02/2021 18:00	352.9	1.29	16.35	0.67	0.1	0.17	907.7	2.0	909.7
R20	2 409.3	07/05/2021 05:00	240.9	2.15	21.80	0.74	0.1	0.22	708.3	< 0.1	708.3
R21	2 248.4	07/05/2021 04:00	224.8	2.67	21.80	0.74	0.1	0.23	684.0	< 0.1	684.0
R22	2 142.2	05/05/2021 17:00	214.2	2.87	25.07	0.74	0.1	0.26	721.5	< 0.1	721.5
R23	2 387.2	13/02/2021 19:00	238.7	2.03	13.08	0.67	0.1	0.23	732.9	2.0	735.0
R24	2 070.6	13/02/2021 19:00	207.1	2.03	13.08	0.67	0.1	0.24	648.8	2.0	650.9
R25	1 871.5	21/09/2021 17:00	187.2	2.19	32.70	0.8	0.1	0.28	666.6	2.0	668.6
R26	1 725.4	02/02/2021 18:00	172.5	2.02	18.53	0.67	0.1	0.24	552.7	6.1	558.9
R27	1 606.6	28/07/2021 17:00	160.7	4.19	30.52	0.87	0.07	0.23	493.1	4.1	497.2
R28	2 553.1	30/10/2021 02:00	255.3	2.07	21.80	0.74	0.1	0.23	787.9	6.1	794.1
R29	2 683.8	14/09/2021 06:00	268.4	2.12	25.07	0.74	0.1	0.24	844.9	2.0	846.9
R30	2 626.1	14/09/2021 06:00	262.6	2.12	25.07	0.74	0.1	0.24	831.4	2.0	833.5
R31	3 853.0	17/02/2021 06:00	385.3	1.15	3.27	0.67	0.1	0.11	784.0	8.2	792.2
R32	2 604.8	02/02/2021 18:00	260.5	2.02	18.53	0.67	0.1	0.19	704.5	6.1	710.6

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	1 701.3	21/09/2021 17:00	170.1	2.19	32.70	0.8	0.1	0.30	626.9	2.0	629.0
R34	1 772.6	21/09/2021 17:00	177.3	2.19	32.70	0.8	0.1	0.30	650.3	2.0	652.4
R35	2 127.8	26/11/2021 19:00	212.8	3.53	19.62	0.635	0.1	0.23	645.7	4.1	649.8
R36	2 127.0	15/11/2021 04:00	212.7	2.57	22.89	0.74	0.1	0.33	853.0	2.0	855.0
R37	2 109.0	15/11/2021 04:00	210.9	2.57	22.89	0.74	0.1	0.34	857.5	2.0	859.5
R38	4 920.5	09/09/2021 07:00	492.0	0.36	< 0.1	0.635	0.1	0.09	894.8	10.2	905.0
R39	3 309.7	24/07/2021 18:00	331.0	5.09	26.16	0.83	0.07	0.10	637.6	4.1	641.7
R40	17 385.3	16/08/2021 07:00	1 738.5	0.22	1.09	0.49	0.05	0.02	2 010.1	34.9	2 044.9
R41	6 172.7	03/10/2021 06:00	617.3	0.13	< 0.1	0.635	0.1	0.06	940.6	6.1	946.7
R42	8 766.4	12/08/2021 07:00	876.6	0.91	12.54	0.74	0.07	0.07	1 427.5	30.8	1 458.3
R43	4 872.8	14/05/2021 07:00	487.3	0.61	< 0.1	0.635	0.1	0.11	948.4	10.2	958.7
R44	6 287.1	10/02/2021 18:00	628.7	2.15	15.26	0.67	0.1	0.05	921.3	12.3	933.6
R45	5 989.5	10/02/2021 18:00	599.0	2.15	15.26	0.67	0.1	0.06	943.3	12.3	955.6
R46	6 057.9	21/12/2021 23:00	605.8	2.45	37.61	0.74	0.1	0.08	1 016.5	10.2	1 026.7
R47	8 395.1	29/04/2021 07:00	839.5	0.34	< 0.1	0.635	0.1	0.05	1 248.9	8.2	1 257.1
R48	11 337.5	20/12/2021 05:00	1 133.8	0.77	37.61	0.74	0.1	0.07	1 821.7	10.2	1 832.0
R49	8 052.7	25/09/2021 06:00	805.3	0.53	4.36	0.635	0.1	0.09	1 467.4	12.3	1 479.7
R50	5 203.8	02/03/2021 06:00	520.4	0.83	2.18	0.635	0.1	0.09	948.6	8.2	956.8
R51	4 264.5	13/02/2021 18:00	426.5	1.29	16.35	0.67	0.1	0.11	855.4	2.0	857.5
R52	4 269.8	25/09/2021 06:00	427.0	0.53	4.36	0.635	0.1	0.16	1 031.5	12.3	1 043.8
R53	4 327.4	13/02/2021 18:00	432.7	1.29	16.35	0.67	0.1	0.14	970.8	2.0	972.9
R54	3 013.6	02/02/2021 18:00	301.4	2.02	18.53	0.67	0.1	0.15	717.8	6.1	724.0
R55	3 413.0	13/02/2021 18:00	341.3	1.29	16.35	0.67	0.1	0.16	817.7	2.0	819.7
R56	3 356.2	14/09/2021 06:00	335.6	2.12	25.07	0.74	0.1	0.19	909.3	2.0	911.4
R57	3 564.3	17/02/2021 06:00	356.4	1.15	3.27	0.67	0.1	0.13	776.3	8.2	784.5
R58	3 130.0	30/03/2021 17:00	313.0	2.34	23.98	0.74	0.1	0.15	733.8	6.1	740.0
R59	3 448.1	16/11/2021 18:00	344.8	2.27	27.25	0.74	0.1	0.13	761.9	6.1	768.1
R60	2 586.5	18/01/2021 18:00	258.7	2.27	49.05	0.81	0.15	0.21	746.6	6.1	752.8
R61	3 379.8	03/01/2021 06:00	338.0	< 0.1	2.18	0.67	0.1	0.12	689.1	4.1	693.2
R62	4 347.5	18/12/2021 05:00	434.8	1.03	37.61	0.74	0.1	0.13	929.5	10.2	939.8
R63	4 888.5	20/04/2021 07:00	488.9	< 0.1	< 0.1	0.635	0.1	0.10	922.6	4.1	926.7
R64	2 724.7	02/09/2021 17:00	272.5	1.59	34.88	0.8	0.1	0.18	715.7	10.2	726.0
R65	2 696.4	15/11/2021 04:00	269.6	2.57	22.89	0.74	0.1	0.23	833.9	2.0	836.0
R66	2 724.0	15/10/2021 18:00	272.4	2.97	26.16	0.74	0.1	0.22	817.5	4.1	821.6
R67	2 560.6	17/07/2021 04:00	256.1	2.95	31.61	0.87	0.07	0.18	663.1	2.0	665.1
R68	2 650.8	28/07/2021 17:00	265.1	4.19	30.52	0.87	0.07	0.15	616.5	4.1	620.6

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	2 398.3	20/04/2021 07:00	239.8	< 0.1	< 0.1	0.635	0.1	0.14	545.9	4.1	550.0
R70	3 699.0	09/04/2021 07:00	369.9	0.45	< 0.1	0.635	0.1	0.11	752.0	6.1	758.1
R71	5 636.9	07/10/2021 06:00	563.7	0.55	< 0.1	0.635	0.1	0.07	908.9	24.6	933.5
R72	5 739.5	07/10/2021 06:00	574.0	0.55	< 0.1	0.635	0.1	0.08	977.9	24.6	1 002.5
R73	8 815.2	16/06/2021 08:00	881.5	0.19	< 0.1	0.49	0.05	0.02	1 060.8	10.2	1 071.1
R74	3 135.9	15/11/2021 04:00	313.6	2.57	22.89	0.74	0.1	0.15	727.0	2.0	729.1
R75	2 361.3	13/11/2021 22:00	236.1	2.01	20.71	0.74	0.1	0.22	694.6	2.0	696.7
R76	1 926.8	05/10/2021 21:00	192.7	1.45	31.61	0.8	0.1	0.24	609.2	< 0.1	609.2
R77	3 199.3	02/12/2021 18:00	319.9	1.73	42.51	0.81	0.15	0.19	862.3	10.2	872.5
R78	4 468.8	03/01/2021 06:00	446.9	< 0.1	2.18	0.67	0.1	0.11	886.3	4.1	890.4
R79	3 338.0	03/01/2021 06:00	333.8	< 0.1	2.18	0.67	0.1	0.13	717.7	4.1	721.8
R80	2 292.7	19/12/2021 05:00	229.3	0.64	37.61	0.74	0.1	0.20	640.6	10.2	650.9
R81	3 727.4	19/02/2021 18:00	372.7	2.10	14.17	0.67	0.1	0.14	833.2	6.1	839.4
R82	3 678.9	14/12/2021 18:00	367.9	1.85	22.35	0.67	0.1	0.14	820.7	16.4	837.1
R83	3 373.3	28/03/2021 17:00	337.3	2.05	32.70	0.8	0.1	0.18	875.6	4.1	879.7
R84	3 612.1	16/11/2021 18:00	361.2	2.27	27.25	0.74	0.1	0.16	867.0	6.1	873.1
R85	4 259.4	03/01/2021 06:00	425.9	< 0.1	2.18	0.67	0.1	0.13	931.3	4.1	935.4
R86	4 158.1	01/05/2021 07:00	415.8	0.18	< 0.1	0.635	0.1	0.12	851.1	4.1	855.2
R87	2 604.4	02/12/2021 18:00	260.4	1.73	42.51	0.81	0.15	0.24	827.1	10.2	837.4
R88	3 303.4	05/02/2021 18:00	330.3	1.75	17.44	0.67	0.1	0.14	754.6	10.2	764.8
R89	2 937.7	05/02/2021 18:00	293.8	1.75	17.44	0.67	0.1	0.15	700.6	10.2	710.9
R90	1 948.5	27/09/2021 18:00	194.8	1.24	31.61	0.8	0.1	0.22	580.8	12.3	593.1
R91	2 251.5	02/12/2021 18:00	225.1	1.73	42.51	0.81	0.15	0.27	769.3	10.2	779.5
R92	2 715.8	05/02/2021 18:00	271.6	1.75	17.44	0.67	0.1	0.17	682.9	10.2	693.2
R93	2 993.8	03/02/2021 18:00	299.4	2.28	19.62	0.67	0.1	0.15	697.7	12.3	710.0
R94	3 438.2	03/01/2021 06:00	343.8	< 0.1	2.18	0.67	0.1	0.16	827.0	4.1	831.1
R95	2 775.8	03/01/2021 06:00	277.6	< 0.1	2.18	0.67	0.1	0.17	709.1	4.1	713.2
R96	3 154.0	25/09/2021 06:00	315.4	0.53	4.36	0.635	0.1	0.18	827.3	12.3	839.6
R97	2 438.3	25/09/2021 06:00	243.8	0.53	4.36	0.635	0.1	0.19	664.1	12.3	676.4
R98	2 621.4	02/03/2021 06:00	262.1	0.83	2.18	0.635	0.1	0.20	733.0	8.2	741.2
R99	3 040.7	16/12/2021 05:00	304.1	1.29	37.61	0.74	0.1	0.20	862.8	10.2	873.1
R100	2 580.5	02/01/2021 05:00	258.0	1.04	6.54	0.67	0.1	0.17	663.2	< 0.1	663.2
R101	2 220.6	02/03/2021 06:00	222.1	0.83	2.18	0.635	0.1	0.21	646.2	8.2	654.4
R102	2 632.0	10/03/2021 06:00	263.2	0.99	7.63	0.635	0.1	0.19	703.6	4.1	707.7
R103	2 353.3	14/03/2021 06:00	235.3	3.04	21.80	0.74	0.1	0.24	741.2	2.0	743.3
R104	1 850.6	02/02/2021 18:00	185.1	2.02	18.53	0.67	0.1	0.24	579.1	6.1	585.3

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	1 409.8	18/10/2021 06:00	141.0	0.40	1.09	0.635	0.1	0.19	388.2	4.1	392.3
R106	1 994.1	28/07/2021 17:00	199.4	4.19	30.52	0.87	0.07	0.20	551.1	4.1	555.2
R107	2 174.6	24/07/2021 19:00	217.5	2.50	28.34	0.83	0.07	0.18	566.2	4.1	570.3
R108	2 644.4	12/11/2021 19:00	264.4	2.25	27.25	0.74	0.1	0.25	859.3	2.0	861.4
R109	2 415.1	13/11/2021 23:00	241.5	1.87	25.07	0.74	0.1	0.26	799.9	2.0	801.9
R110	2 031.0	25/07/2021 17:00	203.1	3.06	32.70	0.87	0.07	0.27	687.5	< 0.1	687.5
R111	2 134.3	13/11/2021 01:00	213.4	3.42	21.80	0.74	0.1	0.24	680.3	2.0	682.4
R112	2 295.0	15/11/2021 03:00	229.5	2.50	22.89	0.74	0.1	0.28	797.7	2.0	799.7
R113	2 128.4	19/09/2021 18:00	212.8	2.00	32.70	0.8	0.1	0.31	808.7	2.0	810.7
R114	1 533.1	13/11/2021 00:00	153.3	3.36	21.80	0.74	0.1	0.29	556.1	4.1	560.2
R115	1 942.1	09/09/2021 21:00	194.2	1.64	35.97	0.8	0.1	0.28	687.6	6.1	693.7
R116	1 176.3	19/12/2021 20:00	117.6	2.07	37.61	0.74	0.1	0.27	406.2	10.2	416.5
R117	1 606.6	09/09/2021 22:00	160.7	0.59	34.88	0.8	0.1	0.34	651.9	6.1	658.1
R118	1 898.4	12/11/2021 18:00	189.8	1.86	29.43	0.74	0.1	0.32	742.6	6.1	748.7
R119	2 506.5	17/07/2021 03:00	250.7	3.78	31.61	0.87	0.07	0.17	635.8	< 0.1	635.8
R120	2 211.4	15/11/2021 04:00	221.1	2.57	22.89	0.74	0.1	0.33	869.6	2.0	871.6
R121	1 994.9	16/08/2021 23:00	199.5	3.02	33.79	0.87	0.07	0.22	589.6	< 0.1	589.6
R122	1 999.7	15/05/2021 19:00	200.0	2.02	27.25	0.74	0.1	0.26	667.0	< 0.1	667.0
R123	1 960.4	15/05/2021 18:00	196.0	2.38	27.25	0.74	0.1	0.29	701.7	< 0.1	701.7
R124	1 616.3	05/10/2021 19:00	161.6	2.48	32.70	0.8	0.1	0.33	636.4	< 0.1	636.4
R125	2 091.2	04/06/2021 17:00	209.1	1.52	25.07	0.83	0.07	0.25	672.1	< 0.1	672.1
R126	1 567.7	05/10/2021 20:00	156.8	2.56	31.61	0.8	0.1	0.36	667.8	< 0.1	667.8
R127	4 117.5	02/03/2021 06:00	411.8	0.83	2.18	0.635	0.1	0.12	869.4	8.2	877.6
R128	6 123.7	25/09/2021 06:00	612.4	0.53	4.36	0.635	0.1	0.12	1 297.2	12.3	1 309.5

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	144.9	11.1	156.0	27/01/2021	144.9	11.1	156.0
21/11/2021	125.9	6.6	132.5	27/12/2021	125.2	11.2	136.4
27/12/2021	125.2	11.2	136.4	27/11/2021	118.1	16.4	134.5
27/11/2021	118.1	16.4	134.5	21/11/2021	125.9	6.6	132.5
26/11/2021	116.8	6.4	123.2	31/01/2021	110.7	17.5	128.2
31/01/2021	110.7	17.5	128.2	26/11/2021	116.8	6.4	123.2
15/02/2021	110.6	12.6	123.2	15/02/2021	110.6	12.6	123.2
07/01/2021	107.3	11.0	118.3	19/01/2021	89.9	30.0	119.9
28/12/2021	106.9	10.1	117.0	07/01/2021	107.3	11.0	118.3
11/10/2021	103.8	7.5	111.3	28/12/2021	106.9	10.1	117.0

Highest incremental PM ₁₀ impact – Receptor R4				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/08/2021	129.6	7.8	137.4	05/08/2021	129.6	7.8	137.4
27/05/2021	128.0	9.3	137.3	27/05/2021	128.0	9.3	137.3
25/08/2021	121.6	5.4	127.0	25/08/2021	121.6	5.4	127.0
14/05/2021	114.9	9.5	124.4	14/05/2021	114.9	9.5	124.4
05/07/2021	107.3	10.9	118.2	16/01/2021	98.1	25.0	123.1
18/07/2021	102.4	5.7	108.1	23/04/2021	90.1	29.9	120.0
16/01/2021	98.1	25.0	123.1	05/07/2021	107.3	10.9	118.2
06/08/2021	95.9	15.4	111.3	06/08/2021	95.9	15.4	111.3
04/06/2021	94.9	8.8	103.7	18/07/2021	102.4	5.7	108.1
10/12/2021	92.7	7.0	99.7	04/06/2021	94.9	8.8	103.7

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/05/2021	127.9	9.3	137.2	27/05/2021	127.9	9.3	137.2
05/08/2021	127.8	7.8	135.6	05/08/2021	127.8	7.8	135.6
25/08/2021	120.5	5.4	125.9	25/08/2021	120.5	5.4	125.9
05/07/2021	110.9	10.9	121.8	16/01/2021	100.9	25.0	125.9
14/05/2021	110.4	9.5	119.9	23/04/2021	94.3	29.9	124.2
19/06/2021	103.1	7.6	110.7	05/07/2021	110.9	10.9	121.8
16/01/2021	100.9	25.0	125.9	14/05/2021	110.4	9.5	119.9
10/12/2021	100.6	7.0	107.6	06/08/2021	96.2	15.4	111.6
04/06/2021	99.2	8.8	108.0	19/06/2021	103.1	7.6	110.7
06/08/2021	96.2	15.4	111.6	04/06/2021	99.2	8.8	108.0

Highest incremental PM ₁₀ impact – Receptor R3				Highest cumulative PM ₁₀ impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/05/2021	110.6	9.3	119.9	27/05/2021	110.6	9.3	119.9
19/06/2021	103.6	7.6	111.2	23/04/2021	85.4	29.9	115.3
05/08/2021	103.5	7.8	111.3	16/01/2021	88.5	25.0	113.5
25/08/2021	101.1	5.4	106.5	05/08/2021	103.5	7.8	111.3
05/07/2021	100.1	10.9	111.0	19/06/2021	103.6	7.6	111.2
29/05/2021	95.1	9.3	104.4	05/07/2021	100.1	10.9	111.0
10/12/2021	95.1	7.0	102.1	25/08/2021	101.1	5.4	106.5
04/06/2021	89.0	8.8	97.8	29/05/2021	95.1	9.3	104.4
16/01/2021	88.5	25.0	113.5	10/12/2021	95.1	7.0	102.1
28/05/2021	87.7	14.3	102.0	28/05/2021	87.7	14.3	102.0

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	99.9	13.8	113.7	19/03/2021	99.9	13.8	113.7
18/03/2021	86.7	9.1	95.8	28/01/2021	82.8	16.0	98.8
28/01/2021	82.8	16.0	98.8	09/02/2021	77.7	19.8	97.5
17/02/2021	80.1	14.1	94.2	18/03/2021	86.7	9.1	95.8
17/03/2021	78.5	13.5	92.0	17/02/2021	80.1	14.1	94.2
09/02/2021	77.7	19.8	97.5	17/03/2021	78.5	13.5	92.0
11/11/2021	72.2	14.5	86.7	06/03/2021	62.6	25.7	88.3
16/02/2021	71.4	9.9	81.3	11/11/2021	72.2	14.5	86.7
20/03/2021	70.3	9.9	80.2	20/11/2021	61.7	23.0	84.7
01/01/2021	66.7	12.1	78.8	16/04/2021	53.4	29.9	83.3

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/03/2021	99.7	5.9	105.6	22/03/2021	99.7	5.9	105.6
02/11/2021	73.4	19.1	92.5	02/11/2021	73.4	19.1	92.5
20/02/2021	71.5	11.4	82.9	10/03/2021	62.8	21.1	83.9
21/03/2021	69.6	12.3	81.9	20/02/2021	71.5	11.4	82.9
29/01/2021	69.1	8.2	77.3	30/11/2021	56.8	26.0	82.8
19/02/2021	65.8	13.4	79.2	21/03/2021	69.6	12.3	81.9
10/03/2021	62.8	21.1	83.9	17/11/2021	59.7	21.5	81.2
02/12/2021	62.0	15.0	77.0	19/02/2021	65.8	13.4	79.2
17/11/2021	59.7	21.5	81.2	10/02/2021	53.5	23.8	77.3
10/01/2021	57.1	10.2	67.3	29/01/2021	69.1	8.2	77.3

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
11/11/2021	89.8	14.5	104.3	11/11/2021	89.8	14.5	104.3
17/03/2021	84.9	13.5	98.4	17/03/2021	84.9	13.5	98.4
18/03/2021	78.9	9.1	88.0	18/03/2021	78.9	9.1	88.0
20/03/2021	71.1	9.9	81.0	19/03/2021	69.1	13.8	82.9
19/03/2021	69.1	13.8	82.9	03/12/2021	53.3	28.9	82.2
22/12/2021	65.9	15.1	81.0	26/02/2021	58.5	22.5	81.0
18/02/2021	61.9	13.9	75.8	22/12/2021	65.9	15.1	81.0
21/12/2021	61.9	15.9	77.8	20/03/2021	71.1	9.9	81.0
21/02/2021	60.0	9.1	69.1	05/04/2021	53.8	25.8	79.6
28/01/2021	60.0	16.0	76.0	14/12/2021	57.4	21.6	79.0

Highest incremental PM ₁₀ impact – Receptor R6				Highest cumulative PM ₁₀ impact – Receptor R14			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
18/07/2021	83.5	5.7	89.2	12/02/2021	70.7	32.0	102.7
14/05/2021	79.1	9.5	88.6	20/08/2021	62.7	34.1	96.8
05/10/2021	75.2	14.0	89.2	19/12/2021	71.5	17.6	89.0
11/04/2021	67.4	9.5	76.9	08/03/2021	59.7	25.5	85.2
05/08/2021	66.6	7.8	74.4	27/07/2021	68.5	16.6	85.1
04/08/2021	64.7	5.6	70.3	26/01/2021	59.2	23.9	83.1
16/10/2021	56.5	7.1	63.6	23/08/2021	56.5	25.4	81.9
18/06/2021	53.0	7.0	60.0	04/09/2021	65.2	16.3	81.5
03/10/2021	52.3	7.7	60.0	20/04/2021	35.2	46.2	81.4
25/08/2021	50.6	5.4	56.0	11/08/2021	63.6	17.5	81.1

Highest incremental PM ₁₀ impact – Receptor R5				Highest cumulative PM ₁₀ impact – Receptor R13			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/05/2021	81.9	9.3	91.2	05/02/2021	75.8	20.5	96.3
05/07/2021	73.2	10.9	84.1	03/11/2021	76.1	17.8	93.9
25/08/2021	69.6	5.4	75.0	17/12/2021	74.1	19.2	93.2
10/12/2021	67.1	7.0	74.1	08/10/2021	58.8	30.5	89.3
05/08/2021	66.9	7.8	74.7	13/01/2021	69.0	19.0	88.0
19/06/2021	66.4	7.6	74.0	19/08/2021	56.4	28.2	84.6
04/06/2021	64.9	8.8	73.7	02/09/2021	46.6	36.0	82.6
23/04/2021	63.9	29.9	93.8	04/02/2021	55.1	24.2	79.3
16/01/2021	62.1	25.0	87.1	28/10/2021	42.2	36.6	78.8
29/05/2021	61.2	9.3	70.5	07/03/2021	53.8	23.0	76.8

Highest incremental PM ₁₀ impact – Receptor R13				Highest cumulative PM ₁₀ impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
03/11/2021	76.1	17.8	93.9	23/04/2021	63.9	29.9	93.8
05/02/2021	75.8	20.5	96.3	27/05/2021	81.9	9.3	91.2
17/12/2021	74.1	19.2	93.2	16/01/2021	62.1	25.0	87.1
13/01/2021	69.0	19.0	88.0	05/07/2021	73.2	10.9	84.1
11/01/2021	61.1	14.1	75.2	25/08/2021	69.6	5.4	75.0
08/10/2021	58.8	30.5	89.3	05/08/2021	66.9	7.8	74.7
18/12/2021	56.6	18.4	74.9	28/05/2021	60.2	14.3	74.5
19/08/2021	56.4	28.2	84.6	06/08/2021	58.7	15.4	74.1
04/02/2021	55.1	24.2	79.3	10/12/2021	67.1	7.0	74.1
30/12/2021	53.8	9.5	63.3	19/06/2021	66.4	7.6	74.0

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	144.9	7.0	151.9	27/01/2021	144.9	7.0	151.9
21/11/2021	125.9	1.9	127.8	21/11/2021	125.9	1.9	127.8
27/12/2021	125.2	2.0	127.2	27/12/2021	125.2	2.0	127.2
27/11/2021	118.1	6.0	124.1	27/11/2021	118.1	6.0	124.1
26/11/2021	116.8	1.9	118.7	31/01/2021	110.7	8.1	118.8
31/01/2021	110.7	8.1	118.8	26/11/2021	116.8	1.9	118.7
15/02/2021	110.6	4.7	115.3	15/02/2021	110.6	4.7	115.3
07/01/2021	107.3	2.7	110.0	07/01/2021	107.3	2.7	110.0
28/12/2021	106.9	1.2	108.1	28/12/2021	106.9	1.2	108.1
11/10/2021	103.8	3.5	107.3	11/10/2021	103.8	3.5	107.3

Highest incremental PM _{2.5} impact – Receptor R4				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/08/2021	129.6	4.7	134.3	05/08/2021	129.6	4.7	134.3
27/05/2021	128.0	2.4	130.4	27/05/2021	128.0	2.4	130.4
25/08/2021	121.6	2.9	124.5	25/08/2021	121.6	2.9	124.5
14/05/2021	114.9	3.8	118.7	14/05/2021	114.9	3.8	118.7
05/07/2021	107.3	6.2	113.5	05/07/2021	107.3	6.2	113.5
18/07/2021	102.4	1.6	104.0	23/04/2021	90.1	19.5	109.6
16/01/2021	98.1	9.4	107.5	16/01/2021	98.1	9.4	107.5
06/08/2021	95.9	6.2	102.1	18/07/2021	102.4	1.6	104.0
04/06/2021	94.9	5.7	100.6	06/08/2021	95.9	6.2	102.1
10/12/2021	92.7	2.7	95.4	04/06/2021	94.9	5.7	100.6

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/05/2021	127.9	2.4	130.3	05/08/2021	127.8	4.7	132.5
05/08/2021	127.8	4.7	132.5	27/05/2021	127.9	2.4	130.3
25/08/2021	120.5	2.9	123.4	25/08/2021	120.5	2.9	123.4
05/07/2021	110.9	6.2	117.1	05/07/2021	110.9	6.2	117.1
14/05/2021	110.4	3.8	114.2	14/05/2021	110.4	3.8	114.2
19/06/2021	103.1	2.4	105.5	23/04/2021	94.3	19.5	113.8
16/01/2021	100.9	9.4	110.3	16/01/2021	100.9	9.4	110.3
10/12/2021	100.6	2.7	103.3	19/06/2021	103.1	2.4	105.5
04/06/2021	99.2	5.7	104.9	04/06/2021	99.2	5.7	104.9
06/08/2021	96.2	6.2	102.4	10/12/2021	100.6	2.7	103.3

Highest incremental PM _{2.5} impact – Receptor R3				Highest cumulative PM _{2.5} impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/05/2021	110.6	2.4	113.0	27/05/2021	110.6	2.4	113.0
19/06/2021	103.6	2.4	106.0	05/08/2021	103.5	4.7	108.2
05/08/2021	103.5	4.7	108.2	05/07/2021	100.1	6.2	106.3
25/08/2021	101.1	2.9	104.0	19/06/2021	103.6	2.4	106.0
05/07/2021	100.1	6.2	106.3	23/04/2021	85.4	19.5	104.9
29/05/2021	95.1	3.4	98.5	25/08/2021	101.1	2.9	104.0
10/12/2021	95.1	2.7	97.8	29/05/2021	95.1	3.4	98.5
04/06/2021	89.0	5.7	94.7	16/01/2021	88.5	9.4	97.9
16/01/2021	88.5	9.4	97.9	10/12/2021	95.1	2.7	97.8
28/05/2021	87.7	4.9	92.6	04/06/2021	89.0	5.7	94.7

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	99.9	2.9	102.8	19/03/2021	99.9	2.9	102.8
18/03/2021	86.7	2.5	89.2	28/01/2021	82.8	8.3	91.1
28/01/2021	82.8	8.3	91.1	18/03/2021	86.7	2.5	89.2
17/02/2021	80.1	4.8	84.9	09/02/2021	77.7	8.3	86.0
17/03/2021	78.5	3.3	81.8	17/02/2021	80.1	4.8	84.9
09/02/2021	77.7	8.3	86.0	17/03/2021	78.5	3.3	81.8
11/11/2021	72.2	3.6	75.8	16/02/2021	71.4	5.7	77.1
16/02/2021	71.4	5.7	77.1	11/11/2021	72.2	3.6	75.8
20/03/2021	70.3	1.5	71.8	20/03/2021	70.3	1.5	71.8
01/01/2021	66.7	1.7	68.4	26/12/2021	65.5	5.8	71.3

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/03/2021	99.7	2.4	102.1	22/03/2021	99.7	2.4	102.1
02/11/2021	73.4	3.5	76.9	02/11/2021	73.4	3.5	76.9
20/02/2021	71.5	2.0	73.5	21/03/2021	69.6	4.9	74.5
21/03/2021	69.6	4.9	74.5	20/02/2021	71.5	2.0	73.5
29/01/2021	69.1	4.3	73.4	29/01/2021	69.1	4.3	73.4
19/02/2021	65.8	2.9	68.7	19/02/2021	65.8	2.9	68.7
10/03/2021	62.8	4.9	67.7	10/03/2021	62.8	4.9	67.7
02/12/2021	62.0	3.9	65.9	02/12/2021	62.0	3.9	65.9
17/11/2021	59.7	4.5	64.2	17/11/2021	59.7	4.5	64.2
10/01/2021	57.1	2.7	59.8	30/11/2021	56.8	6.7	63.5

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
11/11/2021	89.8	3.6	93.4	11/11/2021	89.8	3.6	93.4
17/03/2021	84.9	3.3	88.2	17/03/2021	84.9	3.3	88.2
18/03/2021	78.9	2.5	81.4	18/03/2021	78.9	2.5	81.4
20/03/2021	71.1	1.5	72.6	20/03/2021	71.1	1.5	72.6
19/03/2021	69.1	2.9	72.0	19/03/2021	69.1	2.9	72.0
22/12/2021	65.9	4.4	70.3	22/12/2021	65.9	4.4	70.3
18/02/2021	61.9	3.9	65.8	28/01/2021	60.0	8.3	68.3
21/12/2021	61.9	3.7	65.6	18/02/2021	61.9	3.9	65.8
21/02/2021	60.0	1.2	61.2	21/12/2021	61.9	3.7	65.6
28/01/2021	60.0	8.3	68.3	26/02/2021	58.5	6.4	64.9

Highest incremental PM _{2.5} impact – Receptor R6				Highest cumulative PM _{2.5} impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
18/07/2021	83.5	1.6	85.1	18/07/2021	83.5	1.6	85.1
14/05/2021	79.1	3.8	82.9	14/05/2021	79.1	3.8	82.9
05/10/2021	75.2	3.8	79.0	05/10/2021	75.2	3.8	79.0
11/04/2021	67.4	3.8	71.2	05/08/2021	66.6	4.7	71.3
05/08/2021	66.6	4.7	71.3	11/04/2021	67.4	3.8	71.2
04/08/2021	64.7	1.8	66.5	04/08/2021	64.7	1.8	66.5
16/10/2021	56.5	1.9	58.4	16/10/2021	56.5	1.9	58.4
18/06/2021	53.0	1.4	54.4	03/10/2021	52.3	3.8	56.1
03/10/2021	52.3	3.8	56.1	06/08/2021	49.8	6.2	56.0
25/08/2021	50.6	2.9	53.5	13/05/2021	49.5	5.6	55.1

Highest incremental PM _{2.5} impact – Receptor R5				Highest cumulative PM _{2.5} impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/05/2021	81.9	2.4	84.3	27/05/2021	81.9	2.4	84.3
05/07/2021	73.2	6.2	79.4	23/04/2021	63.9	19.5	83.4
25/08/2021	69.6	2.9	72.5	05/07/2021	73.2	6.2	79.4
10/12/2021	67.1	2.7	69.8	25/08/2021	69.6	2.9	72.5
05/08/2021	66.9	4.7	71.6	05/08/2021	66.9	4.7	71.6
19/06/2021	66.4	2.4	68.8	16/01/2021	62.1	9.4	71.5
04/06/2021	64.9	5.7	70.6	04/06/2021	64.9	5.7	70.6
23/04/2021	63.9	19.5	83.4	10/12/2021	67.1	2.7	69.8
16/01/2021	62.1	9.4	71.5	19/06/2021	66.4	2.4	68.8
29/05/2021	61.2	3.4	64.6	28/05/2021	60.2	4.9	65.1

Highest incremental PM _{2.5} impact – Receptor R13				Highest cumulative PM _{2.5} impact – Receptor R13			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
03/11/2021	76.1	2.7	78.8	05/02/2021	75.8	7.4	83.2
05/02/2021	75.8	7.4	83.2	17/12/2021	74.1	5.1	79.2
17/12/2021	74.1	5.1	79.2	03/11/2021	76.1	2.7	78.8
13/01/2021	69.0	3.3	72.3	13/01/2021	69.0	3.3	72.3
11/01/2021	61.1	3.7	64.8	19/08/2021	56.4	10.9	67.3
08/10/2021	58.8	7.4	66.2	08/10/2021	58.8	7.4	66.2
18/12/2021	56.6	3.7	60.2	04/02/2021	55.1	11.0	66.1
19/08/2021	56.4	10.9	67.3	11/01/2021	61.1	3.7	64.8
04/02/2021	55.1	11.0	66.1	18/12/2021	56.6	3.7	60.2
30/12/2021	53.8	1.2	55.0	12/01/2021	50.9	8.3	59.2

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	144.9	144.9
R2	127.9	127.9
R3	110.6	110.6
R4	129.6	129.6
R5	81.9	81.9
R6	83.5	83.5
R7	74.6	74.6
R8	66.2	66.2
R9	71.7	71.7
R10	99.9	99.9
R11	89.8	89.8
R12	99.7	99.7
R13	76.1	76.1
R14	71.5	71.5
R15	59.5	59.5
R16	11.8	11.8
R17	11.0	11.0
R18	10.8	10.8
R19	22.3	22.3
R20	31.5	31.5
R21	28.6	28.6
R22	18.5	18.5
R23	13.6	13.6
R24	13.1	13.1
R25	12.8	12.8
R26	8.3	8.3
R27	6.9	6.9
R28	22.3	22.3
R29	18.8	18.8
R30	19.8	19.8
R31	20.8	20.8

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	12.4	12.4
R33	11.3	11.3
R34	11.8	11.8
R35	13.7	13.7
R36	11.0	11.0
R37	11.0	11.0
R38	28.1	28.1
R39	14.5	14.5
R40	39.4	39.4
R41	48.9	48.9
R42	50.2	50.2
R43	47.9	47.9
R44	73.3	73.3
R45	61.6	61.6
R46	37.0	37.0
R47	58.4	58.4
R48	65.5	65.5
R49	30.8	30.8
R50	47.3	47.3
R51	33.8	33.8
R52	25.4	25.4
R53	27.9	27.9
R54	15.8	15.8
R55	21.6	21.6
R56	24.8	24.8
R57	18.1	18.1
R58	22.1	22.1
R59	23.8	23.8
R60	16.9	16.9
R61	25.7	25.7
R62	13.0	13.0
R63	12.9	12.9
R64	10.5	10.5
R65	16.2	16.2
R66	13.8	13.8
R67	15.3	15.3

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	12.3	12.3
R69	8.3	8.3
R70	14.2	14.2
R71	34.8	34.8
R72	37.6	37.6
R73	47.2	47.2
R74	24.4	24.4
R75	15.6	15.6
R76	18.1	18.1
R77	14.2	14.2
R78	30.1	30.1
R79	21.9	21.9
R80	8.1	8.1
R81	19.8	19.8
R82	23.4	23.4
R83	14.7	14.7
R84	14.4	14.4
R85	22.2	22.2
R86	20.9	20.9
R87	10.7	10.7
R88	11.7	11.7
R89	10.0	10.0
R90	8.7	8.7
R91	9.6	9.6
R92	9.9	9.9
R93	17.2	17.2
R94	18.1	18.1
R95	15.6	15.6
R96	26.1	26.1
R97	15.4	15.4
R98	25.4	25.4
R99	21.4	21.4
R100	15.3	15.3
R101	19.0	19.0
R102	14.7	14.7
R103	15.5	15.5

Rec.	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)
R104	8.7	8.7
R105	4.7	4.7
R106	8.4	8.4
R107	8.7	8.7
R108	11.4	11.4
R109	14.0	14.0
R110	12.3	12.3
R111	8.3	8.3
R112	13.5	13.5
R113	11.6	11.6
R114	3.9	3.9
R115	6.3	6.3
R116	4.9	4.9
R117	4.8	4.8
R118	9.2	9.2
R119	12.0	12.0
R120	11.2	11.2
R121	18.9	18.9
R122	20.7	20.7
R123	17.3	17.3
R124	11.5	11.5
R125	22.3	22.3
R126	10.6	10.6
R127	40.9	40.9
R128	37.6	37.6

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	10.8	0.5	11.3	8.2	0.4	8.6	1.9	< 0.1	1.9
R2	13.2	0.2	13.3	10.0	0.1	10.1	1.7	< 0.1	1.7
R3	11.1	0.2	11.2	8.4	0.1	8.5	1.4	< 0.1	1.4
R4	12.9	0.2	13.1	9.8	0.1	9.9	1.7	< 0.1	1.7
R5	6.0	0.2	6.2	4.5	0.1	4.7	1.2	< 0.1	1.2
R6	4.9	0.2	5.1	3.7	0.1	3.9	1.2	< 0.1	1.3
R7	2.9	0.8	3.8	2.2	0.6	2.9	1.0	< 0.1	1.0
R8	2.3	0.2	2.5	1.8	0.1	1.9	1.0	< 0.1	1.0
R9	4.6	0.5	5.1	3.5	0.4	3.8	1.2	< 0.1	1.2
R10	6.1	0.2	6.2	4.6	0.1	4.7	1.6	< 0.1	1.6
R11	4.7	0.2	4.9	3.6	0.1	3.7	1.6	< 0.1	1.6
R12	9.1	0.5	9.6	6.9	0.4	7.3	1.5	< 0.1	1.5
R13	8.7	0.5	9.2	6.6	0.4	7.0	1.6	0.2	1.8
R14	10.8	0.5	11.3	8.2	0.4	8.6	1.9	0.1	2.0
R15	4.6	0.5	5.1	3.5	0.4	3.9	1.0	< 0.1	1.0
R16	0.9	0.2	1.1	0.7	0.1	0.8	0.3	< 0.1	0.3
R17	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R18	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R19	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.4	< 0.1	0.5
R20	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.6	< 0.1	0.6
R21	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.5	< 0.1	0.5
R22	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.5	0.1	0.6
R23	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R24	0.7	< 0.1	0.7	0.6	< 0.1	0.6	0.3	< 0.1	0.4
R25	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.4
R26	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R27	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R28	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.6	0.1	0.7
R29	1.0	< 0.1	1.0	0.7	< 0.1	0.7	0.6	< 0.1	0.6
R30	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.5	< 0.1	0.5

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	1.4	< 0.1	1.4	1.0	< 0.1	1.0	0.5	< 0.1	0.5
R32	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.3	< 0.1	0.3
R33	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.3	< 0.1	0.4
R34	0.6	< 0.1	0.6	0.5	< 0.1	0.5	0.3	< 0.1	0.4
R35	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.5	< 0.1	0.5
R36	0.7	< 0.1	0.7	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R37	0.7	< 0.1	0.7	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R38	1.7	0.7	2.4	1.3	0.5	1.8	0.8	< 0.1	0.8
R39	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.4	< 0.1	0.4
R40	6.1	0.2	6.3	4.6	0.1	4.8	1.1	< 0.1	1.1
R41	2.6	0.7	3.3	2.0	0.5	2.5	1.1	< 0.1	1.1
R42	3.1	< 0.1	3.1	2.3	< 0.1	2.3	0.8	< 0.1	0.8
R43	1.7	0.3	2.0	1.3	0.2	1.6	0.8	< 0.1	0.9
R44	2.2	< 0.1	2.2	1.7	< 0.1	1.7	1.1	< 0.1	1.1
R45	2.1	< 0.1	2.1	1.6	< 0.1	1.6	0.9	< 0.1	0.9
R46	2.1	< 0.1	2.1	1.6	< 0.1	1.6	0.8	< 0.1	0.8
R47	3.0	0.5	3.5	2.2	0.4	2.6	0.8	< 0.1	0.8
R48	4.0	0.2	4.2	3.0	0.1	3.2	1.2	< 0.1	1.2
R49	2.8	0.2	3.0	2.2	0.1	2.3	0.8	< 0.1	0.8
R50	1.8	0.3	2.2	1.4	0.2	1.6	0.8	< 0.1	0.8
R51	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.5	< 0.1	0.5
R52	1.5	0.2	1.7	1.1	0.1	1.3	0.6	< 0.1	0.6
R53	1.5	< 0.1	1.5	1.2	< 0.1	1.2	0.5	< 0.1	0.6
R54	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R55	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.5	< 0.1	0.5
R56	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.7	< 0.1	0.7
R57	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.4	< 0.1	0.4
R58	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.5	< 0.1	0.5
R59	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.6	< 0.1	0.6
R60	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R61	1.2	0.2	1.4	0.9	0.1	1.0	0.5	< 0.1	0.5
R62	1.5	< 0.1	1.5	1.2	< 0.1	1.2	0.4	< 0.1	0.4
R63	1.7	0.3	2.1	1.3	0.2	1.6	0.5	< 0.1	0.5
R64	1.0	0.8	1.9	0.8	0.6	1.4	0.3	< 0.1	0.3
R65	1.0	< 0.1	1.0	0.7	< 0.1	0.7	0.5	< 0.1	0.5

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	1.0	< 0.1	1.0	0.7	< 0.1	0.7	0.4	< 0.1	0.4
R67	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.6	< 0.1	0.6
R68	1.0	0.8	1.9	0.8	0.6	1.4	0.4	< 0.1	0.4
R69	0.8	0.3	1.2	0.6	0.2	0.9	0.3	< 0.1	0.3
R70	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.4	< 0.1	0.4
R71	2.0	< 0.1	2.0	1.5	< 0.1	1.5	0.5	< 0.1	0.5
R72	2.1	0.3	2.5	1.6	0.2	1.9	0.7	0.2	0.8
R73	3.1	0.3	3.4	2.4	0.2	2.6	0.9	0.2	1.1
R74	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R75	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.5	< 0.1	0.5
R76	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R77	1.5	0.5	2.0	1.1	0.4	1.5	0.4	< 0.1	0.4
R78	1.6	0.2	1.7	1.2	0.1	1.3	0.5	< 0.1	0.5
R79	1.2	0.2	1.3	0.9	0.1	1.0	0.4	< 0.1	0.4
R80	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.2	0.4	0.6
R81	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.4	< 0.1	0.4
R82	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.6	< 0.1	0.6
R83	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.4	0.2	0.6
R84	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.4	< 0.1	0.4
R85	1.5	0.2	1.7	1.1	0.1	1.3	0.5	< 0.1	0.5
R86	1.5	0.5	2.0	1.1	0.4	1.5	0.5	< 0.1	0.5
R87	1.0	0.8	1.8	0.8	0.6	1.4	0.4	< 0.1	0.4
R88	1.2	0.8	2.1	0.9	0.6	1.6	0.4	< 0.1	0.4
R89	1.1	0.8	2.0	0.9	0.6	1.5	0.3	< 0.1	0.3
R90	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R91	0.9	0.8	1.7	0.7	0.6	1.3	0.4	< 0.1	0.4
R92	1.0	0.8	1.8	0.7	0.6	1.4	0.3	< 0.1	0.3
R93	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R94	1.2	0.2	1.4	0.9	0.1	1.0	0.3	< 0.1	0.3
R95	1.0	0.2	1.1	0.7	0.1	0.9	0.3	< 0.1	0.3
R96	1.1	0.2	1.3	0.8	0.1	1.0	0.6	< 0.1	0.6
R97	0.9	0.2	1.0	0.7	0.1	0.8	0.4	< 0.1	0.4
R98	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.6	< 0.1	0.6
R99	1.1	0.2	1.2	0.8	0.1	0.9	0.5	0.1	0.6
R100	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.4	< 0.1	0.4

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	0.8	0.3	1.1	0.6	0.2	0.8	0.5	< 0.1	0.5
R102	0.9	0.2	1.1	0.7	0.1	0.8	0.4	< 0.1	0.4
R103	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.4
R104	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R105	0.5	0.2	0.7	0.4	0.1	0.5	0.2	< 0.1	0.2
R106	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.2	< 0.1	0.2
R107	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R108	1.0	< 0.1	1.0	0.7	< 0.1	0.7	0.3	< 0.1	0.3
R109	0.9	< 0.1	0.9	0.6	< 0.1	0.6	0.5	< 0.1	0.5
R110	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R111	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R112	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R113	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.4	< 0.1	0.4
R114	0.5	< 0.1	0.5	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R115	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.2	< 0.1	0.3
R116	0.4	< 0.1	0.4	0.3	< 0.1	0.3	0.1	< 0.1	0.2
R117	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R118	0.7	0.2	0.8	0.5	0.1	0.6	0.3	< 0.1	0.3
R119	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.5	< 0.1	0.5
R120	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R121	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.4	< 0.1	0.5
R122	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.4	< 0.1	0.4
R123	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.5	< 0.1	0.6
R124	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.3	< 0.1	0.3
R125	0.7	0.2	0.9	0.6	0.1	0.7	0.4	0.1	0.5
R126	0.6	< 0.1	0.6	0.4	< 0.1	0.4	0.2	< 0.1	0.2
R127	1.5	0.3	1.8	1.1	0.2	1.4	0.7	< 0.1	0.7
R128	2.2	0.2	2.3	1.6	0.1	1.8	0.8	< 0.1	0.8

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations (µg·m⁻³).

Rec.	1-hour (µg/m³)			24-hour (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	10.3	2.9	13.1	1.9	0.2	2.2
R2	12.5	< 0.1	12.5	1.7	1.5	3.2
R3	10.5	< 0.1	10.5	1.5	1.5	3.0
R4	12.2	< 0.1	12.2	1.7	< 0.1	1.7
R5	5.7	< 0.1	5.7	1.1	1.5	2.6
R6	4.7	< 0.1	4.7	1.1	0.2	1.4
R7	2.8	2.9	5.6	1.0	1.5	2.5
R8	2.2	< 0.1	2.2	0.9	1.5	2.4
R9	4.3	2.9	7.2	0.9	0.2	1.2
R10	5.8	< 0.1	5.8	1.3	0.2	1.6
R11	4.5	< 0.1	4.5	1.2	< 0.1	1.2
R12	8.7	2.9	11.5	1.4	0.4	1.7
R13	8.3	2.9	11.1	1.0	1.9	2.9
R14	10.3	2.9	13.1	1.0	< 0.1	1.0
R15	4.4	2.9	7.3	0.8	0.6	1.4
R16	0.9	< 0.1	0.9	0.2	0.1	0.3
R17	0.7	< 0.1	0.7	0.1	1.1	1.2
R18	0.7	< 0.1	0.7	0.1	1.1	1.2
R19	1.2	< 0.1	1.2	0.3	0.2	0.6
R20	0.9	< 0.1	0.9	0.4	< 0.1	0.4
R21	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R22	0.7	< 0.1	0.7	0.2	0.8	1.1
R23	0.8	< 0.1	0.8	0.2	0.2	0.5
R24	0.7	< 0.1	0.7	0.2	0.2	0.4
R25	0.6	< 0.1	0.6	0.2	0.2	0.4
R26	0.6	1.4	2.0	0.1	2.5	2.6
R27	0.6	2.9	3.4	< 0.1	0.6	0.7
R28	0.9	< 0.1	0.9	0.3	< 0.1	0.3
R29	0.9	< 0.1	0.9	0.3	< 0.1	0.3
R30	0.9	< 0.1	0.9	0.3	0.1	0.4

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	1.3	2.9	4.1	0.3	< 0.1	0.3
R32	0.9	1.4	2.3	0.2	< 0.1	0.2
R33	0.6	< 0.1	0.6	0.2	0.2	0.4
R34	0.6	< 0.1	0.6	0.2	0.2	0.4
R35	0.7	< 0.1	0.7	0.2	0.1	0.3
R36	0.7	< 0.1	0.7	0.1	1.1	1.2
R37	0.7	< 0.1	0.7	0.1	1.1	1.2
R38	1.6	2.9	4.5	0.4	0.4	0.7
R39	1.1	< 0.1	1.1	0.2	1.0	1.1
R40	5.8	< 0.1	5.8	0.5	0.6	1.1
R41	2.5	2.9	5.3	0.7	< 0.1	0.7
R42	2.9	< 0.1	2.9	0.6	< 0.1	0.6
R43	1.6	< 0.1	1.6	0.6	0.5	1.1
R44	2.1	< 0.1	2.1	1.0	< 0.1	1.0
R45	2.0	< 0.1	2.0	0.9	< 0.1	0.9
R46	2.0	< 0.1	2.0	0.5	< 0.1	0.5
R47	2.8	2.9	5.7	0.8	< 0.1	0.8
R48	3.8	2.9	6.7	0.9	< 0.1	0.9
R49	2.7	< 0.1	2.7	0.4	0.7	1.1
R50	1.7	2.9	4.6	0.6	< 0.1	0.6
R51	1.4	< 0.1	1.4	0.5	0.2	0.7
R52	1.4	< 0.1	1.4	0.3	0.7	1.1
R53	1.4	< 0.1	1.4	0.4	0.2	0.7
R54	1.0	1.4	2.4	0.2	< 0.1	0.2
R55	1.1	< 0.1	1.1	0.3	0.2	0.6
R56	1.2	< 0.1	1.2	0.4	0.1	0.5
R57	1.2	2.9	4.1	0.2	0.2	0.5
R58	1.1	< 0.1	1.1	0.3	0.2	0.6
R59	1.2	< 0.1	1.2	0.3	< 0.1	0.3
R60	1.1	< 0.1	1.1	0.3	0.4	0.6
R61	1.1	< 0.1	1.1	0.4	0.4	0.8
R62	1.5	2.9	4.3	0.2	1.2	1.4
R63	1.6	1.4	3.1	0.2	0.6	0.8
R64	1.0	2.9	3.9	0.2	1.3	1.5
R65	0.9	< 0.1	0.9	0.2	< 0.1	0.2

Rec.	1-hour (µg/m³)			24-hour (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	0.9	< 0.1	0.9	0.2	0.1	0.3
R67	0.9	< 0.1	0.9	0.2	0.4	0.6
R68	1.0	2.9	3.8	0.2	0.6	0.8
R69	0.8	1.4	2.2	0.1	0.6	0.7
R70	1.2	< 0.1	1.2	0.2	0.6	0.8
R71	1.9	< 0.1	1.9	0.5	0.1	0.6
R72	2.0	< 0.1	2.0	0.5	0.1	0.6
R73	2.9	< 0.1	2.9	0.6	8.2	8.8
R74	1.0	< 0.1	1.0	0.3	< 0.1	0.3
R75	0.8	< 0.1	0.8	0.2	< 0.1	0.2
R76	0.8	< 0.1	0.8	0.2	< 0.1	0.2
R77	1.4	2.9	4.3	0.2	0.4	0.6
R78	1.5	< 0.1	1.5	0.5	0.4	0.8
R79	1.1	< 0.1	1.1	0.4	0.4	0.7
R80	0.8	< 0.1	0.8	0.1	5.8	6.0
R81	1.2	< 0.1	1.2	0.3	< 0.1	0.3
R82	1.2	< 0.1	1.2	0.4	< 0.1	0.4
R83	1.2	< 0.1	1.2	0.2	0.1	0.3
R84	1.2	< 0.1	1.2	0.2	0.5	0.7
R85	1.4	< 0.1	1.4	0.3	0.4	0.7
R86	1.4	2.9	4.3	0.3	0.4	0.7
R87	1.0	2.9	3.8	0.2	1.2	1.3
R88	1.2	2.9	4.0	0.2	1.3	1.5
R89	1.1	2.9	3.9	0.1	1.3	1.5
R90	0.7	< 0.1	0.7	0.1	1.3	1.4
R91	0.8	2.9	3.7	0.1	1.2	1.3
R92	0.9	2.9	3.8	0.1	1.3	1.5
R93	1.0	1.4	2.4	0.3	0.4	0.6
R94	1.2	< 0.1	1.2	0.3	0.4	0.7
R95	0.9	< 0.1	0.9	0.3	0.4	0.6
R96	1.1	< 0.1	1.1	0.3	0.7	1.1
R97	0.8	< 0.1	0.8	0.2	0.8	1.0
R98	0.9	< 0.1	0.9	0.4	< 0.1	0.4
R99	1.0	2.9	3.9	0.3	0.8	1.1
R100	0.9	< 0.1	0.9	0.2	0.2	0.5

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	0.7	2.9	3.6	0.2	0.7	1.0
R102	0.9	2.9	3.7	0.2	0.2	0.5
R103	0.8	< 0.1	0.8	0.2	0.2	0.5
R104	0.6	1.4	2.0	0.1	2.5	2.6
R105	0.5	< 0.1	0.5	< 0.1	< 0.1	< 0.1
R106	0.7	2.9	3.5	0.1	0.6	0.7
R107	0.7	< 0.1	0.7	0.1	1.0	1.1
R108	0.9	< 0.1	0.9	0.1	0.4	0.5
R109	0.8	< 0.1	0.8	0.2	< 0.1	0.2
R110	0.7	< 0.1	0.7	0.2	0.4	0.5
R111	0.7	< 0.1	0.7	0.1	0.4	0.5
R112	0.8	< 0.1	0.8	0.2	1.1	1.2
R113	0.7	< 0.1	0.7	0.1	0.2	0.4
R114	0.5	< 0.1	0.5	< 0.1	< 0.1	< 0.1
R115	0.6	< 0.1	0.6	< 0.1	1.0	1.0
R116	0.4	5.7	6.1	< 0.1	1.8	1.8
R117	0.5	2.9	3.4	< 0.1	0.6	0.7
R118	0.6	< 0.1	0.6	0.1	0.1	0.2
R119	0.8	< 0.1	0.8	0.2	0.4	0.5
R120	0.7	< 0.1	0.7	0.1	1.1	1.2
R121	0.7	< 0.1	0.7	0.2	1.5	1.8
R122	0.7	< 0.1	0.7	0.3	0.5	0.8
R123	0.7	< 0.1	0.7	0.2	0.5	0.7
R124	0.5	< 0.1	0.5	0.1	< 0.1	0.1
R125	0.7	< 0.1	0.7	0.3	< 0.1	0.3
R126	0.5	< 0.1	0.5	0.1	< 0.1	0.1
R127	1.4	2.9	4.2	0.5	< 0.1	0.5
R128	2.0	< 0.1	2.0	0.5	0.7	1.2

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	3.56E-08	2.41E-03	8.67E-04	6.05E-04	2.45E-04
R2	3.13E-08	2.11E-03	7.61E-04	5.31E-04	2.15E-04
R3	2.81E-08	1.90E-03	6.84E-04	4.77E-04	1.93E-04
R4	2.65E-08	1.79E-03	6.45E-04	4.50E-04	1.82E-04
R5	2.32E-08	1.57E-03	5.65E-04	3.94E-04	1.60E-04
R6	1.87E-08	1.27E-03	4.56E-04	3.18E-04	1.29E-04
R7	1.64E-08	1.11E-03	3.99E-04	2.78E-04	1.13E-04
R8	1.67E-08	1.13E-03	4.07E-04	2.84E-04	1.15E-04
R9	2.01E-08	1.36E-03	4.89E-04	3.41E-04	1.38E-04
R10	2.44E-08	1.65E-03	5.94E-04	4.14E-04	1.68E-04
R11	2.47E-08	1.67E-03	6.02E-04	4.20E-04	1.70E-04
R12	2.80E-08	1.89E-03	6.82E-04	4.76E-04	1.92E-04
R13	2.55E-08	1.72E-03	6.20E-04	4.32E-04	1.75E-04
R14	2.60E-08	1.76E-03	6.33E-04	4.41E-04	1.79E-04
R15	1.89E-08	1.28E-03	4.61E-04	3.21E-04	1.30E-04
R16	6.10E-09	4.12E-04	1.48E-04	1.04E-04	4.19E-05
R17	4.83E-09	3.27E-04	1.18E-04	8.20E-05	3.32E-05
R18	4.76E-09	3.22E-04	1.16E-04	8.07E-05	3.27E-05
R19	8.10E-09	5.48E-04	1.97E-04	1.38E-04	5.56E-05
R20	7.87E-09	5.32E-04	1.91E-04	1.34E-04	5.40E-05
R21	7.09E-09	4.79E-04	1.72E-04	1.20E-04	4.87E-05
R22	6.56E-09	4.44E-04	1.60E-04	1.11E-04	4.51E-05
R23	5.81E-09	3.93E-04	1.41E-04	9.86E-05	3.99E-05
R24	5.59E-09	3.78E-04	1.36E-04	9.48E-05	3.84E-05
R25	5.76E-09	3.90E-04	1.40E-04	9.79E-05	3.96E-05
R26	4.74E-09	3.21E-04	1.15E-04	8.05E-05	3.26E-05
R27	3.18E-09	2.15E-04	7.75E-05	5.41E-05	2.19E-05
R28	7.56E-09	5.11E-04	1.84E-04	1.28E-04	5.19E-05
R29	7.69E-09	5.20E-04	1.87E-04	1.30E-04	5.28E-05
R30	7.16E-09	4.84E-04	1.74E-04	1.21E-04	4.92E-05
R31	9.00E-09	6.09E-04	2.19E-04	1.53E-04	6.18E-05
R32	6.31E-09	4.27E-04	1.54E-04	1.07E-04	4.33E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	5.34E-09	3.61E-04	1.30E-04	9.07E-05	3.67E-05
R34	5.48E-09	3.71E-04	1.33E-04	9.31E-05	3.77E-05
R35	6.37E-09	4.31E-04	1.55E-04	1.08E-04	4.38E-05
R36	4.70E-09	3.18E-04	1.14E-04	7.98E-05	3.23E-05
R37	4.73E-09	3.20E-04	1.15E-04	8.02E-05	3.25E-05
R38	1.37E-08	9.25E-04	3.33E-04	2.32E-04	9.40E-05
R39	8.36E-09	5.65E-04	2.03E-04	1.42E-04	5.74E-05
R40	1.96E-08	1.32E-03	4.76E-04	3.32E-04	1.34E-04
R41	1.58E-08	1.07E-03	3.84E-04	2.68E-04	1.08E-04
R42	1.43E-08	9.65E-04	3.48E-04	2.42E-04	9.81E-05
R43	1.19E-08	8.02E-04	2.89E-04	2.01E-04	8.14E-05
R44	1.81E-08	1.23E-03	4.41E-04	3.08E-04	1.25E-04
R45	1.60E-08	1.08E-03	3.89E-04	2.71E-04	1.10E-04
R46	1.39E-08	9.42E-04	3.39E-04	2.36E-04	9.57E-05
R47	1.72E-08	1.16E-03	4.19E-04	2.92E-04	1.18E-04
R48	1.99E-08	1.35E-03	4.85E-04	3.38E-04	1.37E-04
R49	1.45E-08	9.83E-04	3.54E-04	2.47E-04	9.98E-05
R50	1.32E-08	8.93E-04	3.22E-04	2.24E-04	9.07E-05
R51	1.05E-08	7.08E-04	2.55E-04	1.78E-04	7.19E-05
R52	8.75E-09	5.92E-04	2.13E-04	1.49E-04	6.01E-05
R53	9.47E-09	6.40E-04	2.31E-04	1.61E-04	6.50E-05
R54	7.67E-09	5.19E-04	1.87E-04	1.30E-04	5.27E-05
R55	9.04E-09	6.12E-04	2.20E-04	1.54E-04	6.21E-05
R56	8.99E-09	6.08E-04	2.19E-04	1.53E-04	6.17E-05
R57	8.14E-09	5.51E-04	1.98E-04	1.38E-04	5.59E-05
R58	8.67E-09	5.86E-04	2.11E-04	1.47E-04	5.95E-05
R59	9.46E-09	6.39E-04	2.30E-04	1.61E-04	6.50E-05
R60	8.58E-09	5.80E-04	2.09E-04	1.46E-04	5.89E-05
R61	8.86E-09	5.99E-04	2.16E-04	1.50E-04	6.09E-05
R62	9.01E-09	6.09E-04	2.19E-04	1.53E-04	6.19E-05
R63	8.48E-09	5.74E-04	2.07E-04	1.44E-04	5.83E-05
R64	7.27E-09	4.92E-04	1.77E-04	1.23E-04	4.99E-05
R65	7.68E-09	5.19E-04	1.87E-04	1.30E-04	5.27E-05
R66	7.65E-09	5.17E-04	1.86E-04	1.30E-04	5.25E-05
R67	7.23E-09	4.89E-04	1.76E-04	1.23E-04	4.97E-05
R68	4.97E-09	3.36E-04	1.21E-04	8.44E-05	3.41E-05
R69	5.76E-09	3.90E-04	1.40E-04	9.78E-05	3.96E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	7.02E-09	4.75E-04	1.71E-04	1.19E-04	4.82E-05
R71	1.09E-08	7.40E-04	2.66E-04	1.86E-04	7.52E-05
R72	1.21E-08	8.17E-04	2.94E-04	2.05E-04	8.30E-05
R73	1.45E-08	9.79E-04	3.53E-04	2.46E-04	9.95E-05
R74	8.99E-09	6.08E-04	2.19E-04	1.53E-04	6.17E-05
R75	6.67E-09	4.51E-04	1.62E-04	1.13E-04	4.58E-05
R76	6.46E-09	4.37E-04	1.57E-04	1.10E-04	4.44E-05
R77	9.08E-09	6.14E-04	2.21E-04	1.54E-04	6.23E-05
R78	8.44E-09	5.70E-04	2.05E-04	1.43E-04	5.79E-05
R79	8.17E-09	5.52E-04	1.99E-04	1.39E-04	5.61E-05
R80	5.76E-09	3.89E-04	1.40E-04	9.77E-05	3.95E-05
R81	7.77E-09	5.25E-04	1.89E-04	1.32E-04	5.34E-05
R82	8.76E-09	5.93E-04	2.13E-04	1.49E-04	6.02E-05
R83	9.29E-09	6.28E-04	2.26E-04	1.58E-04	6.38E-05
R84	8.97E-09	6.07E-04	2.18E-04	1.52E-04	6.16E-05
R85	7.80E-09	5.27E-04	1.90E-04	1.32E-04	5.35E-05
R86	8.10E-09	5.48E-04	1.97E-04	1.38E-04	5.57E-05
R87	7.65E-09	5.17E-04	1.86E-04	1.30E-04	5.26E-05
R88	8.28E-09	5.60E-04	2.02E-04	1.41E-04	5.69E-05
R89	7.59E-09	5.13E-04	1.85E-04	1.29E-04	5.21E-05
R90	6.09E-09	4.12E-04	1.48E-04	1.03E-04	4.18E-05
R91	6.87E-09	4.65E-04	1.67E-04	1.17E-04	4.72E-05
R92	6.81E-09	4.60E-04	1.66E-04	1.16E-04	4.68E-05
R93	8.03E-09	5.43E-04	1.96E-04	1.36E-04	5.52E-05
R94	6.59E-09	4.46E-04	1.60E-04	1.12E-04	4.53E-05
R95	6.35E-09	4.29E-04	1.55E-04	1.08E-04	4.36E-05
R96	7.87E-09	5.32E-04	1.92E-04	1.34E-04	5.41E-05
R97	6.51E-09	4.40E-04	1.59E-04	1.11E-04	4.47E-05
R98	7.35E-09	4.97E-04	1.79E-04	1.25E-04	5.05E-05
R99	7.35E-09	4.97E-04	1.79E-04	1.25E-04	5.05E-05
R100	7.65E-09	5.17E-04	1.86E-04	1.30E-04	5.25E-05
R101	6.18E-09	4.18E-04	1.50E-04	1.05E-04	4.25E-05
R102	6.71E-09	4.53E-04	1.63E-04	1.14E-04	4.61E-05
R103	6.08E-09	4.11E-04	1.48E-04	1.03E-04	4.18E-05
R104	4.91E-09	3.32E-04	1.19E-04	8.33E-05	3.37E-05
R105	3.30E-09	2.23E-04	8.04E-05	5.61E-05	2.27E-05
R106	4.64E-09	3.13E-04	1.13E-04	7.87E-05	3.18E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	5.31E-09	3.59E-04	1.29E-04	9.01E-05	3.65E-05
R108	6.60E-09	4.47E-04	1.61E-04	1.12E-04	4.54E-05
R109	6.39E-09	4.32E-04	1.56E-04	1.08E-04	4.39E-05
R110	5.22E-09	3.53E-04	1.27E-04	8.86E-05	3.59E-05
R111	6.08E-09	4.11E-04	1.48E-04	1.03E-04	4.18E-05
R112	5.63E-09	3.81E-04	1.37E-04	9.55E-05	3.87E-05
R113	6.01E-09	4.06E-04	1.46E-04	1.02E-04	4.13E-05
R114	4.08E-09	2.76E-04	9.92E-05	6.92E-05	2.80E-05
R115	3.96E-09	2.68E-04	9.65E-05	6.73E-05	2.72E-05
R116	2.84E-09	1.92E-04	6.90E-05	4.81E-05	1.95E-05
R117	3.31E-09	2.24E-04	8.05E-05	5.62E-05	2.27E-05
R118	4.74E-09	3.20E-04	1.15E-04	8.04E-05	3.25E-05
R119	7.05E-09	4.76E-04	1.71E-04	1.20E-04	4.84E-05
R120	5.16E-09	3.49E-04	1.26E-04	8.77E-05	3.55E-05
R121	6.28E-09	4.24E-04	1.53E-04	1.07E-04	4.31E-05
R122	6.32E-09	4.28E-04	1.54E-04	1.07E-04	4.34E-05
R123	6.49E-09	4.39E-04	1.58E-04	1.10E-04	4.46E-05
R124	4.51E-09	3.05E-04	1.10E-04	7.66E-05	3.10E-05
R125	6.15E-09	4.16E-04	1.50E-04	1.04E-04	4.22E-05
R126	3.69E-09	2.49E-04	8.98E-05	6.26E-05	2.53E-05
R127	1.01E-08	6.81E-04	2.45E-04	1.71E-04	6.92E-05
R128	1.02E-08	6.90E-04	2.48E-04	1.73E-04	7.01E-05
Max. at boundary	4.69E-08	3.17E-03	–	–	3.22E-04

Nitrogen dioxide (NO₂)

Maximum 1-hour concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.
Criterion			164
R1	7 268.1	8.2	7 276.3
R2	9 041.6	12.3	9 053.9
R3	7 809.1	12.3	7 821.4
R4	8 945.7	12.3	8 958.0
R5	4 667.0	12.3	4 679.3
R6	3 947.4	6.1	3 953.5
R7	2 586.0	6.1	2 592.2
R8	2 130.5	12.3	2 142.8
R9	3 495.4	12.3	3 507.7
R10	4 270.3	10.2	4 280.5
R11	3 232.0	10.2	3 242.3
R12	5 489.1	8.2	5 497.3
R13	5 279.8	8.2	5 288.0
R14	6 498.5	4.1	6 502.6
R15	2 984.9	4.1	2 989.0
R16	1 764.2	6.1	1 770.4
R17	1 836.5	2.0	1 838.6
R18	1 813.5	2.0	1 815.5
R19	1 815.3	2.0	1 817.4
R20	1 416.7	< 0.1	1 416.7
R21	1 368.0	< 0.1	1 368.0
R22	1 443.1	< 0.1	1 443.1
R23	1 465.8	2.0	1 467.9
R24	1 297.6	2.0	1 299.7
R25	1 333.2	2.0	1 335.2
R26	1 105.5	6.1	1 111.6
R27	986.2	4.1	990.3
R28	1 575.8	6.1	1 582.0
R29	1 689.7	2.0	1 691.8
R30	1 662.8	2.0	1 664.9

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R31	1 568.0	8.2	1 576.2
R32	1 408.9	6.1	1 415.1
R33	1 253.8	2.0	1 255.9
R34	1 300.6	2.0	1 302.7
R35	1 291.4	4.1	1 295.5
R36	1 705.9	2.0	1 708.0
R37	1 714.9	2.0	1 717.0
R38	1 789.6	10.2	1 799.8
R39	1 275.3	4.1	1 279.4
R40	4 020.1	34.9	4 055.0
R41	1 881.2	6.1	1 887.3
R42	2 855.1	30.8	2 885.8
R43	1 896.8	10.2	1 907.1
R44	1 842.6	12.3	1 854.9
R45	1 886.6	12.3	1 898.9
R46	2 033.0	10.2	2 043.2
R47	2 497.8	8.2	2 506.0
R48	3 643.4	10.2	3 653.7
R49	2 934.7	12.3	2 947.0
R50	1 897.1	8.2	1 905.3
R51	1 710.8	2.0	1 712.9
R52	2 062.9	12.3	2 075.2
R53	1 941.7	2.0	1 943.7
R54	1 435.6	6.1	1 441.8
R55	1 635.4	2.0	1 637.4
R56	1 818.6	2.0	1 820.7
R57	1 552.6	8.2	1 560.8
R58	1 467.7	6.1	1 473.8
R59	1 523.8	6.1	1 530.0
R60	1 493.2	6.1	1 499.4
R61	1 378.2	4.1	1 382.3
R62	1 859.1	10.2	1 869.3
R63	1 845.2	4.1	1 849.3
R64	1 431.5	10.2	1 441.7
R65	1 667.9	2.0	1 669.9

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R66	1 634.9	4.1	1 639.0
R67	1 326.1	2.0	1 328.2
R68	1 233.1	4.1	1 237.2
R69	1 091.9	4.1	1 096.0
R70	1 503.9	6.1	1 510.1
R71	1 817.7	24.6	1 842.3
R72	1 955.8	24.6	1 980.4
R73	2 121.6	10.2	2 131.9
R74	1 454.1	2.0	1 456.1
R75	1 389.3	2.0	1 391.3
R76	1 218.3	< 0.1	1 218.3
R77	1 724.5	10.2	1 734.8
R78	1 772.6	4.1	1 776.7
R79	1 435.4	4.1	1 439.5
R80	1 281.2	10.2	1 291.5
R81	1 666.4	6.1	1 672.6
R82	1 641.4	16.4	1 657.8
R83	1 751.3	4.1	1 755.4
R84	1 734.0	6.1	1 740.1
R85	1 862.6	4.1	1 866.7
R86	1 702.3	4.1	1 706.4
R87	1 654.3	10.2	1 664.5
R88	1 509.1	10.2	1 519.4
R89	1 401.2	10.2	1 411.5
R90	1 161.5	12.3	1 173.8
R91	1 538.6	10.2	1 548.8
R92	1 365.9	10.2	1 376.1
R93	1 395.3	12.3	1 407.6
R94	1 654.0	4.1	1 658.1
R95	1 418.2	4.1	1 422.3
R96	1 654.7	12.3	1 667.0
R97	1 328.3	12.3	1 340.6
R98	1 466.1	8.2	1 474.3
R99	1 725.6	10.2	1 735.9
R100	1 326.4	< 0.1	1 326.4

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R101	1 292.5	8.2	1 300.7
R102	1 407.2	4.1	1 411.3
R103	1 482.4	2.0	1 484.5
R104	1 158.3	6.1	1 164.4
R105	776.5	4.1	780.6
R106	1 102.1	4.1	1 106.2
R107	1 132.5	4.1	1 136.6
R108	1 718.7	2.0	1 720.7
R109	1 599.8	2.0	1 601.8
R110	1 375.1	< 0.1	1 375.1
R111	1 360.7	2.0	1 362.7
R112	1 595.4	2.0	1 597.4
R113	1 617.3	2.0	1 619.4
R114	1 112.2	4.1	1 116.3
R115	1 375.2	6.1	1 381.3
R116	812.4	10.2	822.7
R117	1 303.9	6.1	1 310.0
R118	1 485.2	6.1	1 491.3
R119	1 271.5	< 0.1	1 271.5
R120	1 739.2	2.0	1 741.2
R121	1 179.2	< 0.1	1 179.2
R122	1 334.1	< 0.1	1 334.1
R123	1 403.4	< 0.1	1 403.4
R124	1 272.7	< 0.1	1 272.7
R125	1 344.1	< 0.1	1 344.1
R126	1 335.7	< 0.1	1 335.7
R127	1 738.8	8.2	1 747.0
R128	2 594.4	12.3	2 606.7

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	61 414.4	29/04/2021 07:00	6 141.4	0.34	< 0.1	0.635	0.1	0.02	7 268.1	8.2	7 276.3
R2	74 708.3	02/10/2021 06:00	7 470.8	0.62	< 0.1	0.635	0.1	0.02	9 041.6	12.3	9 053.9
R3	62 821.5	02/10/2021 06:00	6 282.1	0.62	< 0.1	0.635	0.1	0.03	7 809.1	12.3	7 821.4
R4	73 168.8	02/10/2021 06:00	7 316.9	0.62	< 0.1	0.635	0.1	0.02	8 945.7	12.3	8 958.0
R5	33 982.4	02/10/2021 06:00	3 398.2	0.62	< 0.1	0.635	0.1	0.04	4 667.0	12.3	4 679.3
R6	28 063.0	03/10/2021 06:00	2 806.3	0.13	< 0.1	0.635	0.1	0.05	3 947.4	6.1	3 953.5
R7	16 634.3	03/10/2021 06:00	1 663.4	0.13	< 0.1	0.635	0.1	0.06	2 586.0	6.1	2 592.2
R8	13 150.5	25/09/2021 06:00	1 315.0	0.53	4.36	0.635	0.1	0.07	2 130.5	12.3	2 142.8
R9	25 889.8	04/05/2021 07:00	2 589.0	0.40	< 0.1	0.635	0.1	0.04	3 495.4	12.3	3 507.7
R10	34 439.8	27/09/2021 06:00	3 444.0	0.16	1.09	0.635	0.1	0.03	4 270.3	10.2	4 280.5
R11	26 859.7	27/09/2021 06:00	2 686.0	0.16	1.09	0.635	0.1	0.02	3 232.0	10.2	3 242.3
R12	51 790.2	19/08/2021 07:00	5 179.0	0.16	4.36	0.49	0.05	0.01	5 489.1	8.2	5 497.3
R13	49 318.1	19/08/2021 07:00	4 931.8	0.16	4.36	0.49	0.05	0.01	5 279.8	8.2	5 288.0
R14	61 351.9	20/08/2021 07:00	6 135.2	< 0.1	1.09	0.49	0.05	0.01	6 498.5	4.1	6 502.6
R15	26 372.3	20/08/2021 07:00	2 637.2	< 0.1	1.09	0.49	0.05	0.01	2 984.9	4.1	2 989.0
R16	5 261.8	12/11/2021 18:00	526.2	1.86	29.43	0.74	0.1	0.26	1 764.2	6.1	1 770.4
R17	4 419.0	15/11/2021 04:00	441.9	2.57	22.89	0.74	0.1	0.35	1 836.5	2.0	1 838.6
R18	4 398.1	15/11/2021 04:00	439.8	2.57	22.89	0.74	0.1	0.35	1 813.5	2.0	1 815.5
R19	7 058.3	13/02/2021 18:00	705.8	1.29	16.35	0.67	0.1	0.17	1 815.3	2.0	1 817.4
R20	4 818.5	07/05/2021 05:00	481.9	2.15	21.80	0.74	0.1	0.22	1 416.7	< 0.1	1 416.7
R21	4 496.8	07/05/2021 04:00	449.7	2.67	21.80	0.74	0.1	0.23	1 368.0	< 0.1	1 368.0
R22	4 284.4	05/05/2021 17:00	428.4	2.87	25.07	0.74	0.1	0.26	1 443.1	< 0.1	1 443.1
R23	4 774.5	13/02/2021 19:00	477.4	2.03	13.08	0.67	0.1	0.23	1 465.8	2.0	1 467.9
R24	4 141.2	13/02/2021 19:00	414.1	2.03	13.08	0.67	0.1	0.24	1 297.6	2.0	1 299.7
R25	3 743.1	21/09/2021 17:00	374.3	2.19	32.70	0.8	0.1	0.28	1 333.2	2.0	1 335.2
R26	3 450.9	02/02/2021 18:00	345.1	2.02	18.53	0.67	0.1	0.24	1 105.5	6.1	1 111.6
R27	3 213.2	28/07/2021 17:00	321.3	4.19	30.52	0.87	0.07	0.23	986.2	4.1	990.3
R28	5 106.2	30/10/2021 02:00	510.6	2.07	21.80	0.74	0.1	0.23	1 575.8	6.1	1 582.0
R29	5 367.6	14/09/2021 06:00	536.8	2.12	25.07	0.74	0.1	0.24	1 689.7	2.0	1 691.8
R30	5 252.2	14/09/2021 06:00	525.2	2.12	25.07	0.74	0.1	0.24	1 662.8	2.0	1 664.9
R31	7 706.1	17/02/2021 06:00	770.6	1.15	3.27	0.67	0.1	0.11	1 568.0	8.2	1 576.2
R32	5 209.6	02/02/2021 18:00	521.0	2.02	18.53	0.67	0.1	0.19	1 408.9	6.1	1 415.1

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	3 402.5	21/09/2021 17:00	340.3	2.19	32.70	0.8	0.1	0.30	1 253.8	2.0	1 255.9
R34	3 545.2	21/09/2021 17:00	354.5	2.19	32.70	0.8	0.1	0.30	1 300.6	2.0	1 302.7
R35	4 255.6	26/11/2021 19:00	425.6	3.53	19.62	0.635	0.1	0.23	1 291.4	4.1	1 295.5
R36	4 254.1	15/11/2021 04:00	425.4	2.57	22.89	0.74	0.1	0.33	1 705.9	2.0	1 708.0
R37	4 218.0	15/11/2021 04:00	421.8	2.57	22.89	0.74	0.1	0.34	1 714.9	2.0	1 717.0
R38	9 841.0	09/09/2021 07:00	984.1	0.36	< 0.1	0.635	0.1	0.09	1 789.6	10.2	1 799.8
R39	6 619.5	24/07/2021 18:00	661.9	5.09	26.16	0.83	0.07	0.10	1 275.3	4.1	1 279.4
R40	34 770.6	16/08/2021 07:00	3 477.1	0.22	1.09	0.49	0.05	0.02	4 020.1	34.9	4 055.0
R41	12 345.4	03/10/2021 06:00	1 234.5	0.13	< 0.1	0.635	0.1	0.06	1 881.2	6.1	1 887.3
R42	17 532.7	12/08/2021 07:00	1 753.3	0.91	12.54	0.74	0.07	0.07	2 855.1	30.8	2 885.8
R43	9 745.5	14/05/2021 07:00	974.6	0.61	< 0.1	0.635	0.1	0.11	1 896.8	10.2	1 907.1
R44	12 574.2	10/02/2021 18:00	1 257.4	2.15	15.26	0.67	0.1	0.05	1 842.6	12.3	1 854.9
R45	11 979.0	10/02/2021 18:00	1 197.9	2.15	15.26	0.67	0.1	0.06	1 886.6	12.3	1 898.9
R46	12 115.7	21/12/2021 23:00	1 211.6	2.45	37.61	0.74	0.1	0.08	2 033.0	10.2	2 043.2
R47	16 790.2	29/04/2021 07:00	1 679.0	0.34	< 0.1	0.635	0.1	0.05	2 497.8	8.2	2 506.0
R48	22 675.0	20/12/2021 05:00	2 267.5	0.77	37.61	0.74	0.1	0.07	3 643.4	10.2	3 653.7
R49	16 105.4	25/09/2021 06:00	1 610.5	0.53	4.36	0.635	0.1	0.09	2 934.7	12.3	2 947.0
R50	10 407.6	02/03/2021 06:00	1 040.8	0.83	2.18	0.635	0.1	0.09	1 897.1	8.2	1 905.3
R51	8 529.0	13/02/2021 18:00	852.9	1.29	16.35	0.67	0.1	0.11	1 710.8	2.0	1 712.9
R52	8 539.7	25/09/2021 06:00	854.0	0.53	4.36	0.635	0.1	0.16	2 062.9	12.3	2 075.2
R53	8 654.8	13/02/2021 18:00	865.5	1.29	16.35	0.67	0.1	0.14	1 941.7	2.0	1 943.7
R54	6 027.2	02/02/2021 18:00	602.7	2.02	18.53	0.67	0.1	0.15	1 435.6	6.1	1 441.8
R55	6 825.9	13/02/2021 18:00	682.6	1.29	16.35	0.67	0.1	0.16	1 635.4	2.0	1 637.4
R56	6 712.5	14/09/2021 06:00	671.2	2.12	25.07	0.74	0.1	0.19	1 818.6	2.0	1 820.7
R57	7 128.6	17/02/2021 06:00	712.9	1.15	3.27	0.67	0.1	0.13	1 552.6	8.2	1 560.8
R58	6 259.9	30/03/2021 17:00	626.0	2.34	23.98	0.74	0.1	0.15	1 467.7	6.1	1 473.8
R59	6 896.2	16/11/2021 18:00	689.6	2.27	27.25	0.74	0.1	0.13	1 523.8	6.1	1 530.0
R60	5 173.0	18/01/2021 18:00	517.3	2.27	49.05	0.81	0.15	0.21	1 493.2	6.1	1 499.4
R61	6 759.5	03/01/2021 06:00	676.0	< 0.1	2.18	0.67	0.1	0.12	1 378.2	4.1	1 382.3
R62	8 695.0	18/12/2021 05:00	869.5	1.03	37.61	0.74	0.1	0.13	1 859.1	10.2	1 869.3
R63	9 777.0	20/04/2021 07:00	977.7	< 0.1	< 0.1	0.635	0.1	0.10	1 845.2	4.1	1 849.3
R64	5 449.5	02/09/2021 17:00	544.9	1.59	34.88	0.8	0.1	0.18	1 431.5	10.2	1 441.7
R65	5 392.8	15/11/2021 04:00	539.3	2.57	22.89	0.74	0.1	0.23	1 667.9	2.0	1 669.9
R66	5 448.0	15/10/2021 18:00	544.8	2.97	26.16	0.74	0.1	0.22	1 634.9	4.1	1 639.0
R67	5 121.2	17/07/2021 04:00	512.1	2.95	31.61	0.87	0.07	0.18	1 326.1	2.0	1 328.2
R68	5 301.5	28/07/2021 17:00	530.2	4.19	30.52	0.87	0.07	0.15	1 233.1	4.1	1 237.2

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	4 796.6	20/04/2021 07:00	479.7	< 0.1	< 0.1	0.635	0.1	0.14	1 091.9	4.1	1 096.0
R70	7 398.0	09/04/2021 07:00	739.8	0.45	< 0.1	0.635	0.1	0.11	1 503.9	6.1	1 510.1
R71	11 273.8	07/10/2021 06:00	1 127.4	0.55	< 0.1	0.635	0.1	0.07	1 817.7	24.6	1 842.3
R72	11 479.0	07/10/2021 06:00	1 147.9	0.55	< 0.1	0.635	0.1	0.08	1 955.8	24.6	1 980.4
R73	17 630.5	16/06/2021 08:00	1 763.0	0.19	< 0.1	0.49	0.05	0.02	2 121.6	10.2	2 131.9
R74	6 271.8	15/11/2021 04:00	627.2	2.57	22.89	0.74	0.1	0.15	1 454.1	2.0	1 456.1
R75	4 722.5	13/11/2021 22:00	472.3	2.01	20.71	0.74	0.1	0.22	1 389.3	2.0	1 391.3
R76	3 853.6	05/10/2021 21:00	385.4	1.45	31.61	0.8	0.1	0.24	1 218.3	< 0.1	1 218.3
R77	6 398.7	02/12/2021 18:00	639.9	1.73	42.51	0.81	0.15	0.19	1 724.5	10.2	1 734.8
R78	8 937.6	03/01/2021 06:00	893.8	< 0.1	2.18	0.67	0.1	0.11	1 772.6	4.1	1 776.7
R79	6 675.9	03/01/2021 06:00	667.6	< 0.1	2.18	0.67	0.1	0.13	1 435.4	4.1	1 439.5
R80	4 585.3	19/12/2021 05:00	458.5	0.64	37.61	0.74	0.1	0.20	1 281.2	10.2	1 291.5
R81	7 454.7	19/02/2021 18:00	745.5	2.10	14.17	0.67	0.1	0.14	1 666.4	6.1	1 672.6
R82	7 357.8	14/12/2021 18:00	735.8	1.85	22.35	0.67	0.1	0.14	1 641.4	16.4	1 657.8
R83	6 746.6	28/03/2021 17:00	674.7	2.05	32.70	0.8	0.1	0.18	1 751.3	4.1	1 755.4
R84	7 224.2	16/11/2021 18:00	722.4	2.27	27.25	0.74	0.1	0.16	1 734.0	6.1	1 740.1
R85	8 518.8	03/01/2021 06:00	851.9	< 0.1	2.18	0.67	0.1	0.13	1 862.6	4.1	1 866.7
R86	8 316.2	01/05/2021 07:00	831.6	0.18	< 0.1	0.635	0.1	0.12	1 702.3	4.1	1 706.4
R87	5 208.9	02/12/2021 18:00	520.9	1.73	42.51	0.81	0.15	0.24	1 654.3	10.2	1 664.5
R88	6 606.9	05/02/2021 18:00	660.7	1.75	17.44	0.67	0.1	0.14	1 509.1	10.2	1 519.4
R89	5 875.4	05/02/2021 18:00	587.5	1.75	17.44	0.67	0.1	0.15	1 401.2	10.2	1 411.5
R90	3 897.0	27/09/2021 18:00	389.7	1.24	31.61	0.8	0.1	0.22	1 161.5	12.3	1 173.8
R91	4 502.9	02/12/2021 18:00	450.3	1.73	42.51	0.81	0.15	0.27	1 538.6	10.2	1 548.8
R92	5 431.7	05/02/2021 18:00	543.2	1.75	17.44	0.67	0.1	0.17	1 365.9	10.2	1 376.1
R93	5 987.5	03/02/2021 18:00	598.8	2.28	19.62	0.67	0.1	0.15	1 395.3	12.3	1 407.6
R94	6 876.4	03/01/2021 06:00	687.6	< 0.1	2.18	0.67	0.1	0.16	1 654.0	4.1	1 658.1
R95	5 551.6	03/01/2021 06:00	555.2	< 0.1	2.18	0.67	0.1	0.17	1 418.2	4.1	1 422.3
R96	6 307.9	25/09/2021 06:00	630.8	0.53	4.36	0.635	0.1	0.18	1 654.7	12.3	1 667.0
R97	4 876.6	25/09/2021 06:00	487.7	0.53	4.36	0.635	0.1	0.19	1 328.3	12.3	1 340.6
R98	5 242.7	02/03/2021 06:00	524.3	0.83	2.18	0.635	0.1	0.20	1 466.1	8.2	1 474.3
R99	6 081.4	16/12/2021 05:00	608.1	1.29	37.61	0.74	0.1	0.20	1 725.6	10.2	1 735.9
R100	5 161.0	02/01/2021 05:00	516.1	1.04	6.54	0.67	0.1	0.17	1 326.4	< 0.1	1 326.4
R101	4 441.2	02/03/2021 06:00	444.1	0.83	2.18	0.635	0.1	0.21	1 292.5	8.2	1 300.7
R102	5 263.9	10/03/2021 06:00	526.4	0.99	7.63	0.635	0.1	0.19	1 407.2	4.1	1 411.3
R103	4 706.6	14/03/2021 06:00	470.7	3.04	21.80	0.74	0.1	0.24	1 482.4	2.0	1 484.5
R104	3 701.2	02/02/2021 18:00	370.1	2.02	18.53	0.67	0.1	0.24	1 158.3	6.1	1 164.4

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	2 819.6	18/10/2021 06:00	282.0	0.40	1.09	0.635	0.1	0.19	776.5	4.1	780.6
R106	3 988.1	28/07/2021 17:00	398.8	4.19	30.52	0.87	0.07	0.20	1 102.1	4.1	1 106.2
R107	4 349.2	24/07/2021 19:00	434.9	2.50	28.34	0.83	0.07	0.18	1 132.5	4.1	1 136.6
R108	5 288.8	12/11/2021 19:00	528.9	2.25	27.25	0.74	0.1	0.25	1 718.7	2.0	1 720.7
R109	4 830.1	13/11/2021 23:00	483.0	1.87	25.07	0.74	0.1	0.26	1 599.8	2.0	1 601.8
R110	4 062.0	25/07/2021 17:00	406.2	3.06	32.70	0.87	0.07	0.27	1 375.1	< 0.1	1 375.1
R111	4 268.5	13/11/2021 01:00	426.9	3.42	21.80	0.74	0.1	0.24	1 360.7	2.0	1 362.7
R112	4 590.0	15/11/2021 03:00	459.0	2.50	22.89	0.74	0.1	0.28	1 595.4	2.0	1 597.4
R113	4 256.8	19/09/2021 18:00	425.7	2.00	32.70	0.8	0.1	0.31	1 617.3	2.0	1 619.4
R114	3 066.1	13/11/2021 00:00	306.6	3.36	21.80	0.74	0.1	0.29	1 112.2	4.1	1 116.3
R115	3 884.2	09/09/2021 21:00	388.4	1.64	35.97	0.8	0.1	0.28	1 375.2	6.1	1 381.3
R116	2 352.5	19/12/2021 20:00	235.3	2.07	37.61	0.74	0.1	0.27	812.4	10.2	822.7
R117	3 213.2	09/09/2021 22:00	321.3	0.59	34.88	0.8	0.1	0.34	1 303.9	6.1	1 310.0
R118	3 796.7	12/11/2021 18:00	379.7	1.86	29.43	0.74	0.1	0.32	1 485.2	6.1	1 491.3
R119	5 013.1	17/07/2021 03:00	501.3	3.78	31.61	0.87	0.07	0.17	1 271.5	< 0.1	1 271.5
R120	4 422.7	15/11/2021 04:00	442.3	2.57	22.89	0.74	0.1	0.33	1 739.2	2.0	1 741.2
R121	3 989.8	16/08/2021 23:00	399.0	3.02	33.79	0.87	0.07	0.22	1 179.2	< 0.1	1 179.2
R122	3 999.3	15/05/2021 19:00	399.9	2.02	27.25	0.74	0.1	0.26	1 334.1	< 0.1	1 334.1
R123	3 920.7	15/05/2021 18:00	392.1	2.38	27.25	0.74	0.1	0.29	1 403.4	< 0.1	1 403.4
R124	3 232.6	05/10/2021 19:00	323.3	2.48	32.70	0.8	0.1	0.33	1 272.7	< 0.1	1 272.7
R125	4 182.3	04/06/2021 17:00	418.2	1.52	25.07	0.83	0.07	0.25	1 344.1	< 0.1	1 344.1
R126	3 135.5	05/10/2021 20:00	313.5	2.56	31.61	0.8	0.1	0.36	1 335.7	< 0.1	1 335.7
R127	8 235.0	02/03/2021 06:00	823.5	0.83	2.18	0.635	0.1	0.12	1 738.8	8.2	1 747.0
R128	12 247.5	25/09/2021 06:00	1 224.7	0.53	4.36	0.635	0.1	0.12	2 594.4	12.3	2 606.7

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	289.9	11.1	301.0	27/01/2021	289.9	11.1	301.0
21/11/2021	251.8	6.6	258.4	27/12/2021	250.3	11.2	261.5
27/12/2021	250.3	11.2	261.5	21/11/2021	251.8	6.6	258.4
27/11/2021	236.3	16.4	252.7	27/11/2021	236.3	16.4	252.7
26/11/2021	233.7	6.4	240.1	26/11/2021	233.7	6.4	240.1
31/01/2021	221.4	17.5	238.9	31/01/2021	221.4	17.5	238.9
15/02/2021	221.2	12.6	233.8	15/02/2021	221.2	12.6	233.8
07/01/2021	214.6	11.0	225.6	07/01/2021	214.6	11.0	225.6
28/12/2021	213.7	10.1	223.8	28/12/2021	213.7	10.1	223.8
11/10/2021	207.6	7.5	215.1	11/10/2021	207.6	7.5	215.1

Highest incremental PM ₁₀ impact – Receptor R4				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/08/2021	259.1	7.8	266.9	05/08/2021	259.1	7.8	266.9
27/05/2021	255.9	9.3	265.2	27/05/2021	255.9	9.3	265.2
25/08/2021	243.2	5.4	248.6	25/08/2021	243.2	5.4	248.6
14/05/2021	229.9	9.5	239.4	14/05/2021	229.9	9.5	239.4
05/07/2021	214.5	10.9	225.4	05/07/2021	214.5	10.9	225.4
18/07/2021	204.7	5.7	210.4	16/01/2021	196.3	25.0	221.3
16/01/2021	196.3	25.0	221.3	18/07/2021	204.7	5.7	210.4
06/08/2021	191.7	15.4	207.1	23/04/2021	180.1	29.9	210.0
04/06/2021	189.9	8.8	198.7	06/08/2021	191.7	15.4	207.1
10/12/2021	185.5	7.0	192.5	04/06/2021	189.9	8.8	198.7

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/05/2021	255.8	9.3	265.1	27/05/2021	255.8	9.3	265.1
05/08/2021	255.7	7.8	263.5	05/08/2021	255.7	7.8	263.5
25/08/2021	241.0	5.4	246.4	25/08/2021	241.0	5.4	246.4
05/07/2021	221.8	10.9	232.7	05/07/2021	221.8	10.9	232.7
14/05/2021	220.7	9.5	230.2	14/05/2021	220.7	9.5	230.2
19/06/2021	206.3	7.6	213.9	16/01/2021	201.7	25.0	226.7
16/01/2021	201.7	25.0	226.7	23/04/2021	188.7	29.9	218.6
10/12/2021	201.2	7.0	208.2	19/06/2021	206.3	7.6	213.9
04/06/2021	198.4	8.8	207.2	10/12/2021	201.2	7.0	208.2
06/08/2021	192.5	15.4	207.9	06/08/2021	192.5	15.4	207.9

Highest incremental PM ₁₀ impact – Receptor R3				Highest cumulative PM ₁₀ impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/05/2021	221.3	9.3	230.6	27/05/2021	221.3	9.3	230.6
19/06/2021	207.3	7.6	214.9	19/06/2021	207.3	7.6	214.9
05/08/2021	206.9	7.8	214.7	05/08/2021	206.9	7.8	214.7
25/08/2021	202.3	5.4	207.7	05/07/2021	200.3	10.9	211.2
05/07/2021	200.3	10.9	211.2	25/08/2021	202.3	5.4	207.7
29/05/2021	190.2	9.3	199.5	16/01/2021	177.0	25.0	202.0
10/12/2021	190.2	7.0	197.2	23/04/2021	170.9	29.9	200.8
04/06/2021	178.0	8.8	186.8	29/05/2021	190.2	9.3	199.5
16/01/2021	177.0	25.0	202.0	10/12/2021	190.2	7.0	197.2
28/05/2021	175.4	14.3	189.7	28/05/2021	175.4	14.3	189.7

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	199.9	13.8	213.7	19/03/2021	199.9	13.8	213.7
18/03/2021	173.4	9.1	182.5	18/03/2021	173.4	9.1	182.5
28/01/2021	165.5	16.0	181.5	28/01/2021	165.5	16.0	181.5
17/02/2021	160.3	14.1	174.4	09/02/2021	155.5	19.8	175.3
17/03/2021	157.0	13.5	170.5	17/02/2021	160.3	14.1	174.4
09/02/2021	155.5	19.8	175.3	17/03/2021	157.0	13.5	170.5
11/11/2021	144.5	14.5	159.0	11/11/2021	144.5	14.5	159.0
16/02/2021	142.8	9.9	152.7	16/02/2021	142.8	9.9	152.7
20/03/2021	140.6	9.9	150.5	06/03/2021	125.2	25.7	150.9
01/01/2021	133.3	12.1	145.4	20/03/2021	140.6	9.9	150.5

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/03/2021	199.4	5.9	205.3	22/03/2021	199.4	5.9	205.3
02/11/2021	146.8	19.1	165.9	02/11/2021	146.8	19.1	165.9
20/02/2021	143.1	11.4	154.5	20/02/2021	143.1	11.4	154.5
21/03/2021	139.2	12.3	151.5	21/03/2021	139.2	12.3	151.5
29/01/2021	138.2	8.2	146.4	10/03/2021	125.6	21.1	146.7
19/02/2021	131.5	13.4	144.9	29/01/2021	138.2	8.2	146.4
10/03/2021	125.6	21.1	146.7	19/02/2021	131.5	13.4	144.9
02/12/2021	124.1	15.0	139.1	17/11/2021	119.3	21.5	140.8
17/11/2021	119.3	21.5	140.8	30/11/2021	113.5	26.0	139.5
10/01/2021	114.1	10.2	124.3	02/12/2021	124.1	15.0	139.1

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
11/11/2021	179.5	14.5	194.0	11/11/2021	179.5	14.5	194.0
17/03/2021	169.8	13.5	183.3	17/03/2021	169.8	13.5	183.3
18/03/2021	157.8	9.1	166.9	18/03/2021	157.8	9.1	166.9
20/03/2021	142.1	9.9	152.0	20/03/2021	142.1	9.9	152.0
19/03/2021	138.2	13.8	152.0	19/03/2021	138.2	13.8	152.0
22/12/2021	131.7	15.1	146.9	22/12/2021	131.7	15.1	146.9
18/02/2021	123.8	13.9	137.7	21/12/2021	123.8	15.9	139.7
21/12/2021	123.8	15.9	139.7	26/02/2021	117.0	22.5	139.5
21/02/2021	120.1	9.1	129.2	18/02/2021	123.8	13.9	137.7
28/01/2021	120.0	16.0	136.0	14/12/2021	114.8	21.6	136.4

Highest incremental PM ₁₀ impact – Receptor R6				Highest cumulative PM ₁₀ impact – Receptor R14			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
18/07/2021	166.9	5.7	172.6	12/02/2021	141.5	32.0	173.5
14/05/2021	158.2	9.5	167.7	19/12/2021	143.0	17.6	160.5
05/10/2021	150.3	14.0	164.3	20/08/2021	125.4	34.1	159.5
11/04/2021	134.7	9.5	144.2	27/07/2021	137.1	16.6	153.7
05/08/2021	133.2	7.8	141.0	04/09/2021	130.4	16.3	146.7
04/08/2021	129.3	5.6	134.9	08/03/2021	119.5	25.5	145.0
16/10/2021	112.9	7.1	120.0	11/08/2021	127.3	17.5	144.8
18/06/2021	106.0	7.0	113.0	26/01/2021	118.4	23.9	142.3
03/10/2021	104.6	7.7	112.3	23/08/2021	113.0	25.4	138.4
25/08/2021	101.3	5.4	106.7	15/07/2021	119.9	9.9	129.8

Highest incremental PM ₁₀ impact – Receptor R5				Highest cumulative PM ₁₀ impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/05/2021	163.7	9.3	173.0	27/05/2021	163.7	9.3	173.0
05/07/2021	146.5	10.9	157.4	23/04/2021	127.8	29.9	157.7
25/08/2021	139.2	5.4	144.6	05/07/2021	146.5	10.9	157.4
10/12/2021	134.3	7.0	141.3	16/01/2021	124.1	25.0	149.1
05/08/2021	133.8	7.8	141.6	25/08/2021	139.2	5.4	144.6
19/06/2021	132.9	7.6	140.5	05/08/2021	133.8	7.8	141.6
04/06/2021	129.7	8.8	138.5	10/12/2021	134.3	7.0	141.3
23/04/2021	127.8	29.9	157.7	19/06/2021	132.9	7.6	140.5
16/01/2021	124.1	25.0	149.1	04/06/2021	129.7	8.8	138.5
29/05/2021	122.4	9.3	131.7	28/05/2021	120.4	14.3	134.7

Highest incremental PM ₁₀ impact – Receptor R13				Highest cumulative PM ₁₀ impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
03/11/2021	152.2	17.8	170.0	18/07/2021	166.9	5.7	172.6
05/02/2021	151.6	20.5	172.1	14/05/2021	158.2	9.5	167.7
17/12/2021	148.1	19.2	167.3	05/10/2021	150.3	14.0	164.3
13/01/2021	138.1	19.0	157.1	11/04/2021	134.7	9.5	144.2
11/01/2021	122.2	14.1	136.3	05/08/2021	133.2	7.8	141.0
08/10/2021	117.7	30.5	148.2	04/08/2021	129.3	5.6	134.9
18/12/2021	113.1	18.4	131.5	16/10/2021	112.9	7.1	120.0
19/08/2021	112.7	28.2	140.9	06/08/2021	99.5	15.4	114.9
04/02/2021	110.2	24.2	134.4	18/06/2021	106.0	7.0	113.0
30/12/2021	107.7	9.5	117.2	03/10/2021	104.6	7.7	112.3

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	289.9	7.0	296.9	27/01/2021	289.9	7.0	296.9
21/11/2021	251.8	1.9	253.7	21/11/2021	251.8	1.9	253.7
27/12/2021	250.3	2.0	252.3	27/12/2021	250.3	2.0	252.3
27/11/2021	236.3	6.0	242.3	27/11/2021	236.3	6.0	242.3
26/11/2021	233.7	1.9	235.6	26/11/2021	233.7	1.9	235.6
31/01/2021	221.4	8.1	229.5	31/01/2021	221.4	8.1	229.5
15/02/2021	221.2	4.7	225.9	15/02/2021	221.2	4.7	225.9
07/01/2021	214.6	2.7	217.3	07/01/2021	214.6	2.7	217.3
28/12/2021	213.7	1.2	214.9	28/12/2021	213.7	1.2	214.9
11/10/2021	207.6	3.5	211.1	11/10/2021	207.6	3.5	211.1

Highest incremental PM _{2.5} impact – Receptor R4				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/08/2021	259.1	4.7	263.8	05/08/2021	259.1	4.7	263.8
27/05/2021	255.9	2.4	258.3	27/05/2021	255.9	2.4	258.3
25/08/2021	243.2	2.9	246.1	25/08/2021	243.2	2.9	246.1
14/05/2021	229.9	3.8	233.7	14/05/2021	229.9	3.8	233.7
05/07/2021	214.5	6.2	220.7	05/07/2021	214.5	6.2	220.7
18/07/2021	204.7	1.6	206.3	18/07/2021	204.7	1.6	206.3
16/01/2021	196.3	9.4	205.7	16/01/2021	196.3	9.4	205.7
06/08/2021	191.7	6.2	197.9	23/04/2021	180.1	19.5	199.6
04/06/2021	189.9	5.7	195.6	06/08/2021	191.7	6.2	197.9
10/12/2021	185.5	2.7	188.2	04/06/2021	189.9	5.7	195.6

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/05/2021	255.8	2.4	258.2	05/08/2021	255.7	4.7	260.4
05/08/2021	255.7	4.7	260.4	27/05/2021	255.8	2.4	258.2
25/08/2021	241.0	2.9	243.9	25/08/2021	241.0	2.9	243.9
05/07/2021	221.8	6.2	228.0	05/07/2021	221.8	6.2	228.0
14/05/2021	220.7	3.8	224.5	14/05/2021	220.7	3.8	224.5
19/06/2021	206.3	2.4	208.7	16/01/2021	201.7	9.4	211.1
16/01/2021	201.7	9.4	211.1	19/06/2021	206.3	2.4	208.7
10/12/2021	201.2	2.7	203.9	23/04/2021	188.7	19.5	208.2
04/06/2021	198.4	5.7	204.1	04/06/2021	198.4	5.7	204.1
06/08/2021	192.5	6.2	198.7	10/12/2021	201.2	2.7	203.9

Highest incremental PM _{2.5} impact – Receptor R3				Highest cumulative PM _{2.5} impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/05/2021	221.3	2.4	223.7	27/05/2021	221.3	2.4	223.7
19/06/2021	207.3	2.4	209.7	05/08/2021	206.9	4.7	211.6
05/08/2021	206.9	4.7	211.6	19/06/2021	207.3	2.4	209.7
25/08/2021	202.3	2.9	205.2	05/07/2021	200.3	6.2	206.5
05/07/2021	200.3	6.2	206.5	25/08/2021	202.3	2.9	205.2
29/05/2021	190.2	3.4	193.6	29/05/2021	190.2	3.4	193.6
10/12/2021	190.2	2.7	192.9	10/12/2021	190.2	2.7	192.9
04/06/2021	178.0	5.7	183.7	23/04/2021	170.9	19.5	190.4
16/01/2021	177.0	9.4	186.4	16/01/2021	177.0	9.4	186.4
28/05/2021	175.4	4.9	180.3	04/06/2021	178.0	5.7	183.7

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	199.9	2.9	202.8	19/03/2021	199.9	2.9	202.8
18/03/2021	173.4	2.5	175.9	18/03/2021	173.4	2.5	175.9
28/01/2021	165.5	8.3	173.8	28/01/2021	165.5	8.3	173.8
17/02/2021	160.3	4.8	165.1	17/02/2021	160.3	4.8	165.1
17/03/2021	157.0	3.3	160.3	09/02/2021	155.5	8.3	163.8
09/02/2021	155.5	8.3	163.8	17/03/2021	157.0	3.3	160.3
11/11/2021	144.5	3.6	148.1	16/02/2021	142.8	5.7	148.5
16/02/2021	142.8	5.7	148.5	11/11/2021	144.5	3.6	148.1
20/03/2021	140.6	1.5	142.1	20/03/2021	140.6	1.5	142.1
01/01/2021	133.3	1.7	135.0	26/12/2021	131.0	5.8	136.8

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/03/2021	199.4	2.4	201.8	22/03/2021	199.4	2.4	201.8
02/11/2021	146.8	3.5	150.3	02/11/2021	146.8	3.5	150.3
20/02/2021	143.1	2.0	145.1	20/02/2021	143.1	2.0	145.1
21/03/2021	139.2	4.9	144.1	21/03/2021	139.2	4.9	144.1
29/01/2021	138.2	4.3	142.5	29/01/2021	138.2	4.3	142.5
19/02/2021	131.5	2.9	134.4	19/02/2021	131.5	2.9	134.4
10/03/2021	125.6	4.9	130.5	10/03/2021	125.6	4.9	130.5
02/12/2021	124.1	3.9	128.0	02/12/2021	124.1	3.9	128.0
17/11/2021	119.3	4.5	123.8	17/11/2021	119.3	4.5	123.8
10/01/2021	114.1	2.7	116.8	30/11/2021	113.5	6.7	120.2

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
11/11/2021	179.5	3.6	183.1	11/11/2021	179.5	3.6	183.1
17/03/2021	169.8	3.3	173.1	17/03/2021	169.8	3.3	173.1
18/03/2021	157.8	2.5	160.3	18/03/2021	157.8	2.5	160.3
20/03/2021	142.1	1.5	143.6	20/03/2021	142.1	1.5	143.6
19/03/2021	138.2	2.9	141.1	19/03/2021	138.2	2.9	141.1
22/12/2021	131.7	4.4	136.2	22/12/2021	131.7	4.4	136.2
18/02/2021	123.8	3.9	127.7	28/01/2021	120.0	8.3	128.3
21/12/2021	123.8	3.7	127.5	18/02/2021	123.8	3.9	127.7
21/02/2021	120.1	1.2	121.3	21/12/2021	123.8	3.7	127.5
28/01/2021	120.0	8.3	128.3	26/02/2021	117.0	6.4	123.4

Highest incremental PM _{2.5} impact – Receptor R6				Highest cumulative PM _{2.5} impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
18/07/2021	166.9	1.6	168.5	18/07/2021	166.9	1.6	168.5
14/05/2021	158.2	3.8	162.0	14/05/2021	158.2	3.8	162.0
05/10/2021	150.3	3.8	154.1	05/10/2021	150.3	3.8	154.1
11/04/2021	134.7	3.8	138.5	11/04/2021	134.7	3.8	138.5
05/08/2021	133.2	4.7	137.9	05/08/2021	133.2	4.7	137.9
04/08/2021	129.3	1.8	131.1	04/08/2021	129.3	1.8	131.1
16/10/2021	112.9	1.9	114.8	16/10/2021	112.9	1.9	114.8
18/06/2021	106.0	1.4	107.4	03/10/2021	104.6	3.8	108.4
03/10/2021	104.6	3.8	108.4	18/06/2021	106.0	1.4	107.4
25/08/2021	101.3	2.9	104.2	06/08/2021	99.5	6.2	105.7

Highest incremental PM _{2.5} impact – Receptor R5				Highest cumulative PM _{2.5} impact – Receptor R5			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/05/2021	163.7	2.4	166.1	27/05/2021	163.7	2.4	166.1
05/07/2021	146.5	6.2	152.7	05/07/2021	146.5	6.2	152.7
25/08/2021	139.2	2.9	142.1	23/04/2021	127.8	19.5	147.3
10/12/2021	134.3	2.7	137.0	25/08/2021	139.2	2.9	142.1
05/08/2021	133.8	4.7	138.5	05/08/2021	133.8	4.7	138.5
19/06/2021	132.9	2.4	135.3	10/12/2021	134.3	2.7	137.0
04/06/2021	129.7	5.7	135.4	04/06/2021	129.7	5.7	135.4
23/04/2021	127.8	19.5	147.3	19/06/2021	132.9	2.4	135.3
16/01/2021	124.1	9.4	133.5	16/01/2021	124.1	9.4	133.5
29/05/2021	122.4	3.4	125.8	29/05/2021	122.4	3.4	125.8

Highest incremental PM _{2.5} impact – Receptor R13				Highest cumulative PM _{2.5} impact – Receptor R13			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
03/11/2021	152.2	2.7	154.9	05/02/2021	151.6	7.4	159.0
05/02/2021	151.6	7.4	159.0	03/11/2021	152.2	2.7	154.9
17/12/2021	148.1	5.1	153.3	17/12/2021	148.1	5.1	153.3
13/01/2021	138.1	3.3	141.4	13/01/2021	138.1	3.3	141.4
11/01/2021	122.2	3.7	125.9	11/01/2021	122.2	3.7	125.9
08/10/2021	117.7	7.4	125.1	08/10/2021	117.7	7.4	125.1
18/12/2021	113.1	3.7	116.8	19/08/2021	112.7	10.9	123.6
19/08/2021	112.7	10.9	123.6	04/02/2021	110.2	11.0	121.2
04/02/2021	110.2	11.0	121.2	18/12/2021	113.1	3.7	116.8
30/12/2021	107.7	1.2	108.9	07/03/2021	107.6	5.2	112.8

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	289.9	289.9
R2	255.8	255.8
R3	221.3	221.3
R4	259.1	259.1
R5	163.7	163.7
R6	166.9	166.9
R7	149.2	149.2
R8	132.4	132.4
R9	143.5	143.5
R10	199.9	199.9
R11	179.5	179.5
R12	199.4	199.4
R13	152.2	152.2
R14	143.0	143.0
R15	119.0	119.0
R16	23.5	23.5
R17	22.0	22.0
R18	21.6	21.6
R19	44.5	44.5
R20	62.9	62.9
R21	57.2	57.2
R22	37.0	37.0
R23	27.2	27.2
R24	26.1	26.1
R25	25.6	25.6
R26	16.6	16.6
R27	13.8	13.8
R28	44.5	44.5
R29	37.7	37.7
R30	39.7	39.7
R31	41.6	41.6

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	24.9	24.9
R33	22.6	22.6
R34	23.6	23.6
R35	27.4	27.4
R36	22.0	22.0
R37	22.0	22.0
R38	56.2	56.2
R39	29.0	29.0
R40	78.8	78.8
R41	97.9	97.9
R42	100.5	100.5
R43	95.8	95.8
R44	146.6	146.6
R45	123.1	123.1
R46	74.0	74.0
R47	116.8	116.8
R48	131.0	131.0
R49	61.5	61.5
R50	94.7	94.7
R51	67.5	67.5
R52	50.8	50.8
R53	55.8	55.8
R54	31.6	31.6
R55	43.2	43.2
R56	49.5	49.5
R57	36.2	36.2
R58	44.1	44.1
R59	47.5	47.5
R60	33.8	33.8
R61	51.4	51.4
R62	26.0	26.0
R63	25.8	25.8
R64	20.9	20.9
R65	32.5	32.5
R66	27.6	27.6
R67	30.6	30.6

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	24.5	24.5
R69	16.6	16.6
R70	28.4	28.4
R71	69.7	69.7
R72	75.2	75.2
R73	94.5	94.5
R74	48.7	48.7
R75	31.2	31.2
R76	36.1	36.1
R77	28.5	28.5
R78	60.3	60.3
R79	43.7	43.7
R80	16.3	16.3
R81	39.7	39.7
R82	46.9	46.9
R83	29.4	29.4
R84	28.7	28.7
R85	44.4	44.4
R86	41.7	41.7
R87	21.3	21.3
R88	23.4	23.4
R89	20.1	20.1
R90	17.5	17.5
R91	19.3	19.3
R92	19.7	19.7
R93	34.5	34.5
R94	36.3	36.3
R95	31.2	31.2
R96	52.2	52.2
R97	30.9	30.9
R98	50.7	50.7
R99	42.8	42.8
R100	30.6	30.6
R101	37.9	37.9
R102	29.4	29.4
R103	31.0	31.0

Rec.	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)
R104	17.4	17.4
R105	9.5	9.5
R106	16.8	16.8
R107	17.4	17.4
R108	22.8	22.8
R109	28.0	28.0
R110	24.7	24.7
R111	16.5	16.5
R112	27.0	27.0
R113	23.3	23.3
R114	7.8	7.8
R115	12.5	12.5
R116	9.8	9.8
R117	9.7	9.7
R118	18.4	18.4
R119	23.9	23.9
R120	22.4	22.4
R121	37.9	37.9
R122	41.5	41.5
R123	34.6	34.6
R124	23.0	23.0
R125	44.6	44.6
R126	21.1	21.1
R127	81.9	81.9
R128	75.1	75.1

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	21.7	0.5	22.1	16.4	0.4	16.8	3.8	< 0.1	3.8
R2	26.3	0.2	26.5	20.0	0.1	20.1	3.4	< 0.1	3.4
R3	22.1	0.2	22.3	16.8	0.1	16.9	2.9	< 0.1	2.9
R4	25.8	0.2	26.0	19.5	0.1	19.7	3.4	< 0.1	3.4
R5	12.0	0.2	12.1	9.1	0.1	9.2	2.3	< 0.1	2.3
R6	9.9	0.2	10.1	7.5	0.1	7.6	2.5	< 0.1	2.6
R7	5.9	0.8	6.7	4.5	0.6	5.1	2.0	< 0.1	2.0
R8	4.6	0.2	4.8	3.5	0.1	3.6	1.9	< 0.1	1.9
R9	9.1	0.5	9.6	6.9	0.4	7.3	2.4	< 0.1	2.4
R10	12.1	0.2	12.3	9.2	0.1	9.3	3.1	< 0.1	3.1
R11	9.5	0.2	9.6	7.2	0.1	7.3	3.2	< 0.1	3.2
R12	18.3	0.5	18.8	13.8	0.4	14.2	3.1	< 0.1	3.1
R13	17.4	0.5	17.9	13.2	0.4	13.6	3.2	0.2	3.3
R14	21.6	0.5	22.1	16.4	0.4	16.8	3.7	0.1	3.8
R15	9.3	0.5	9.8	7.0	0.4	7.4	1.9	< 0.1	1.9
R16	1.9	0.2	2.0	1.4	0.1	1.5	0.7	< 0.1	0.7
R17	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.7	< 0.1	0.7
R18	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.7	< 0.1	0.7
R19	2.5	< 0.1	2.5	1.9	< 0.1	1.9	0.9	< 0.1	0.9
R20	1.9	< 0.1	1.9	1.4	< 0.1	1.4	1.2	< 0.1	1.2
R21	1.6	< 0.1	1.6	1.2	< 0.1	1.2	1.0	< 0.1	1.0
R22	1.5	< 0.1	1.6	1.1	< 0.1	1.2	1.0	0.1	1.1
R23	1.7	< 0.1	1.7	1.3	< 0.1	1.3	0.7	< 0.1	0.7
R24	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R25	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.6	< 0.1	0.7
R26	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.5	< 0.1	0.6
R27	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.4	< 0.1	0.4
R28	1.8	< 0.1	1.8	1.4	< 0.1	1.4	1.2	0.1	1.3
R29	1.9	< 0.1	1.9	1.4	< 0.1	1.4	1.1	< 0.1	1.2
R30	1.9	< 0.1	1.9	1.4	< 0.1	1.4	1.0	< 0.1	1.0

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	2.7	< 0.1	2.7	2.1	< 0.1	2.1	0.9	< 0.1	0.9
R32	1.8	< 0.1	1.8	1.4	< 0.1	1.4	0.7	< 0.1	0.7
R33	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.6	< 0.1	0.7
R34	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.6	< 0.1	0.7
R35	1.5	< 0.1	1.5	1.1	< 0.1	1.1	1.0	< 0.1	1.0
R36	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R37	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.6	< 0.1	0.6
R38	3.5	0.7	4.1	2.6	0.5	3.1	1.6	< 0.1	1.6
R39	2.3	< 0.1	2.3	1.8	< 0.1	1.8	0.8	< 0.1	0.8
R40	12.3	0.2	12.4	9.3	0.1	9.4	2.2	< 0.1	2.2
R41	5.2	0.7	5.9	3.9	0.5	4.4	2.1	< 0.1	2.1
R42	6.2	< 0.1	6.2	4.7	< 0.1	4.7	1.6	< 0.1	1.7
R43	3.4	0.3	3.8	2.6	0.2	2.9	1.6	< 0.1	1.7
R44	4.4	< 0.1	4.4	3.4	< 0.1	3.4	2.2	< 0.1	2.2
R45	4.2	< 0.1	4.2	3.2	< 0.1	3.2	1.9	< 0.1	1.9
R46	4.3	< 0.1	4.3	3.2	< 0.1	3.2	1.5	< 0.1	1.5
R47	5.9	0.5	6.4	4.5	0.4	4.9	1.7	< 0.1	1.7
R48	8.0	0.2	8.2	6.1	0.1	6.2	2.4	< 0.1	2.4
R49	5.7	0.2	5.8	4.3	0.1	4.4	1.5	< 0.1	1.5
R50	3.7	0.3	4.0	2.8	0.2	3.0	1.6	< 0.1	1.6
R51	3.0	< 0.1	3.0	2.3	< 0.1	2.3	1.1	< 0.1	1.1
R52	3.0	0.2	3.2	2.3	0.1	2.4	1.1	< 0.1	1.1
R53	3.1	< 0.1	3.1	2.3	< 0.1	2.3	1.1	< 0.1	1.1
R54	2.1	< 0.1	2.1	1.6	< 0.1	1.6	0.8	< 0.1	0.8
R55	2.4	< 0.1	2.4	1.8	< 0.1	1.8	1.1	< 0.1	1.1
R56	2.6	< 0.1	2.6	2.0	< 0.1	2.0	1.3	< 0.1	1.4
R57	2.5	< 0.1	2.5	1.9	< 0.1	1.9	0.8	< 0.1	0.8
R58	2.3	< 0.1	2.3	1.8	< 0.1	1.8	1.0	< 0.1	1.0
R59	2.4	< 0.1	2.4	1.8	< 0.1	1.8	1.2	< 0.1	1.2
R60	2.2	< 0.1	2.2	1.7	< 0.1	1.7	0.8	< 0.1	0.8
R61	2.4	0.2	2.5	1.8	0.1	1.9	1.0	< 0.1	1.0
R62	3.1	< 0.1	3.1	2.3	< 0.1	2.3	0.8	< 0.1	0.8
R63	3.4	0.3	3.8	2.6	0.2	2.9	0.9	< 0.1	0.9
R64	2.1	0.8	2.9	1.6	0.6	2.2	0.7	< 0.1	0.7
R65	1.9	< 0.1	1.9	1.4	< 0.1	1.4	1.0	< 0.1	1.0

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	2.0	< 0.1	2.0	1.5	< 0.1	1.5	0.8	< 0.1	0.8
R67	1.8	< 0.1	1.8	1.4	< 0.1	1.4	1.1	< 0.1	1.1
R68	2.1	0.8	2.9	1.6	0.6	2.2	0.7	< 0.1	0.7
R69	1.7	0.3	2.0	1.3	0.2	1.5	0.6	< 0.1	0.6
R70	2.6	< 0.1	2.6	2.0	< 0.1	2.0	0.8	< 0.1	0.8
R71	4.0	< 0.1	4.0	3.0	< 0.1	3.0	1.0	< 0.1	1.0
R72	4.3	0.3	4.6	3.2	0.2	3.5	1.3	0.2	1.5
R73	6.2	0.3	6.5	4.7	0.2	5.0	1.9	0.2	2.0
R74	2.2	< 0.1	2.2	1.7	< 0.1	1.7	1.1	< 0.1	1.1
R75	1.7	< 0.1	1.7	1.3	< 0.1	1.3	1.0	< 0.1	1.0
R76	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.7	< 0.1	0.8
R77	3.0	0.5	3.5	2.2	0.4	2.6	0.8	< 0.1	0.8
R78	3.2	0.2	3.3	2.4	0.1	2.5	1.0	< 0.1	1.0
R79	2.4	0.2	2.5	1.8	0.1	1.9	0.9	< 0.1	0.9
R80	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.5	0.4	0.8
R81	2.6	< 0.1	2.6	2.0	< 0.1	2.0	0.9	< 0.1	0.9
R82	2.6	< 0.1	2.6	2.0	< 0.1	2.0	1.2	< 0.1	1.2
R83	2.6	< 0.1	2.6	1.9	< 0.1	1.9	0.8	0.2	1.0
R84	2.5	< 0.1	2.5	1.9	< 0.1	1.9	0.9	< 0.1	0.9
R85	3.0	0.2	3.2	2.3	0.1	2.4	0.9	< 0.1	0.9
R86	2.9	0.5	3.4	2.2	0.4	2.6	1.0	< 0.1	1.0
R87	2.0	0.8	2.9	1.6	0.6	2.2	0.8	< 0.1	0.8
R88	2.5	0.8	3.3	1.9	0.6	2.5	0.8	< 0.1	0.8
R89	2.3	0.8	3.1	1.7	0.6	2.3	0.7	< 0.1	0.7
R90	1.5	< 0.1	1.5	1.2	< 0.1	1.2	0.6	< 0.1	0.6
R91	1.8	0.8	2.6	1.3	0.6	2.0	0.7	< 0.1	0.7
R92	1.9	0.8	2.7	1.5	0.6	2.1	0.7	< 0.1	0.7
R93	2.1	< 0.1	2.1	1.6	< 0.1	1.6	0.8	< 0.1	0.8
R94	2.4	0.2	2.6	1.8	0.1	2.0	0.6	< 0.1	0.6
R95	2.0	0.2	2.1	1.5	0.1	1.6	0.5	< 0.1	0.5
R96	2.2	0.2	2.4	1.7	0.1	1.8	1.2	< 0.1	1.2
R97	1.7	0.2	1.9	1.3	0.1	1.4	0.8	< 0.1	0.9
R98	1.9	< 0.1	1.9	1.4	< 0.1	1.4	1.2	< 0.1	1.2
R99	2.1	0.2	2.3	1.6	0.1	1.7	0.9	0.1	1.0
R100	1.8	< 0.1	1.8	1.4	< 0.1	1.4	0.8	< 0.1	0.8

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	1.6	0.3	1.9	1.2	0.2	1.4	0.9	< 0.1	0.9
R102	1.9	0.2	2.0	1.4	0.1	1.5	0.7	< 0.1	0.8
R103	1.7	< 0.1	1.7	1.3	< 0.1	1.3	0.6	< 0.1	0.7
R104	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.5	< 0.1	0.6
R105	1.0	0.2	1.2	0.8	0.1	0.9	0.3	< 0.1	0.3
R106	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.5	< 0.1	0.5
R107	1.5	< 0.1	1.5	1.2	< 0.1	1.2	0.5	< 0.1	0.5
R108	1.9	< 0.1	1.9	1.5	< 0.1	1.5	0.7	< 0.1	0.7
R109	1.7	< 0.1	1.7	1.3	< 0.1	1.3	1.0	< 0.1	1.0
R110	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R111	1.5	< 0.1	1.5	1.2	< 0.1	1.2	0.8	< 0.1	0.8
R112	1.7	< 0.1	1.7	1.3	< 0.1	1.3	0.8	< 0.1	0.8
R113	1.5	< 0.1	1.5	1.2	< 0.1	1.2	0.7	< 0.1	0.7
R114	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R115	1.4	< 0.1	1.4	1.0	< 0.1	1.0	0.5	< 0.1	0.5
R116	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.3	< 0.1	0.3
R117	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.3	< 0.1	0.3
R118	1.3	0.2	1.5	1.0	0.1	1.1	0.5	< 0.1	0.5
R119	1.8	< 0.1	1.8	1.3	< 0.1	1.3	1.0	< 0.1	1.0
R120	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.7	< 0.1	0.7
R121	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.9	< 0.1	0.9
R122	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.9	< 0.1	0.9
R123	1.5	< 0.1	1.6	1.1	< 0.1	1.2	1.0	< 0.1	1.1
R124	1.1	< 0.1	1.1	0.9	< 0.1	0.9	0.6	< 0.1	0.6
R125	1.5	0.2	1.6	1.1	0.1	1.2	0.9	0.1	1.0
R126	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R127	2.9	0.3	3.2	2.2	0.2	2.5	1.5	< 0.1	1.5
R128	4.3	0.2	4.5	3.3	0.1	3.4	1.5	< 0.1	1.5

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations (µg·m⁻³).

Rec.	1-hour (µg/m³)			24-hour (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	20.5	2.9	23.4	3.9	0.2	4.1
R2	25.0	< 0.1	25.0	3.4	1.5	4.9
R3	21.0	< 0.1	21.0	2.9	1.5	4.5
R4	24.5	< 0.1	24.5	3.4	< 0.1	3.4
R5	11.4	< 0.1	11.4	2.1	1.5	3.7
R6	9.4	< 0.1	9.4	2.3	0.2	2.5
R7	5.6	2.9	8.4	2.0	1.5	3.5
R8	4.4	< 0.1	4.4	1.7	1.5	3.3
R9	8.7	2.9	11.5	1.9	0.2	2.1
R10	11.5	< 0.1	11.5	2.7	0.2	2.9
R11	9.0	< 0.1	9.0	2.3	< 0.1	2.3
R12	17.3	2.9	20.2	2.8	0.4	3.1
R13	16.5	2.9	19.4	2.1	1.9	4.0
R14	20.5	2.9	23.4	1.9	< 0.1	1.9
R15	8.8	2.9	11.7	1.6	0.6	2.2
R16	1.8	< 0.1	1.8	0.3	0.1	0.5
R17	1.5	< 0.1	1.5	0.3	1.1	1.3
R18	1.5	< 0.1	1.5	0.3	1.1	1.3
R19	2.4	< 0.1	2.4	0.7	0.2	0.9
R20	1.8	< 0.1	1.8	0.8	< 0.1	0.8
R21	1.5	< 0.1	1.5	0.8	< 0.1	0.8
R22	1.4	< 0.1	1.4	0.5	0.8	1.3
R23	1.6	< 0.1	1.6	0.4	0.2	0.7
R24	1.4	< 0.1	1.4	0.4	0.2	0.6
R25	1.3	< 0.1	1.3	0.4	0.2	0.6
R26	1.2	1.4	2.6	0.2	2.5	2.7
R27	1.1	2.9	4.0	0.2	0.6	0.8
R28	1.8	< 0.1	1.8	0.6	< 0.1	0.6
R29	1.8	< 0.1	1.8	0.6	< 0.1	0.6
R30	1.8	< 0.1	1.8	0.6	0.1	0.7

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	2.6	2.9	5.4	0.5	< 0.1	0.5
R32	1.7	1.4	3.2	0.3	< 0.1	0.3
R33	1.2	< 0.1	1.2	0.4	0.2	0.6
R34	1.2	< 0.1	1.2	0.4	0.2	0.6
R35	1.4	< 0.1	1.4	0.4	0.1	0.6
R36	1.4	< 0.1	1.4	0.3	1.1	1.3
R37	1.4	< 0.1	1.4	0.3	1.1	1.3
R38	3.3	2.9	6.2	0.7	0.4	1.1
R39	2.2	< 0.1	2.2	0.3	1.0	1.3
R40	11.6	< 0.1	11.6	1.0	0.6	1.6
R41	4.9	2.9	7.8	1.4	< 0.1	1.4
R42	5.9	< 0.1	5.9	1.3	< 0.1	1.3
R43	3.3	< 0.1	3.3	1.3	0.5	1.8
R44	4.2	< 0.1	4.2	2.0	< 0.1	2.0
R45	4.0	< 0.1	4.0	1.7	< 0.1	1.7
R46	4.1	< 0.1	4.1	1.0	< 0.1	1.0
R47	5.6	2.9	8.5	1.5	< 0.1	1.5
R48	7.6	2.9	10.4	1.9	< 0.1	1.9
R49	5.4	< 0.1	5.4	0.8	0.7	1.5
R50	3.5	2.9	6.3	1.3	< 0.1	1.3
R51	2.9	< 0.1	2.9	1.0	0.2	1.2
R52	2.9	< 0.1	2.9	0.7	0.7	1.4
R53	2.9	< 0.1	2.9	0.8	0.2	1.1
R54	2.0	1.4	3.4	0.4	< 0.1	0.4
R55	2.3	< 0.1	2.3	0.6	0.2	0.9
R56	2.4	< 0.1	2.4	0.7	0.1	0.8
R57	2.4	2.9	5.2	0.5	0.2	0.7
R58	2.2	< 0.1	2.2	0.7	0.2	0.9
R59	2.3	< 0.1	2.3	0.6	< 0.1	0.6
R60	2.1	< 0.1	2.1	0.5	0.4	0.9
R61	2.3	< 0.1	2.3	0.8	0.4	1.2
R62	2.9	2.9	5.8	0.4	1.2	1.5
R63	3.3	1.4	4.7	0.4	0.6	1.0
R64	2.0	2.9	4.9	0.3	1.3	1.6
R65	1.8	< 0.1	1.8	0.4	< 0.1	0.4

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	1.9	< 0.1	1.9	0.4	0.1	0.5
R67	1.7	< 0.1	1.7	0.5	0.4	0.8
R68	2.0	2.9	4.8	0.3	0.6	0.9
R69	1.6	1.4	3.0	0.2	0.6	0.8
R70	2.5	< 0.1	2.5	0.4	0.6	1.0
R71	3.8	< 0.1	3.8	0.9	0.1	1.0
R72	4.0	< 0.1	4.0	1.0	0.1	1.1
R73	5.9	< 0.1	5.9	1.2	8.2	9.5
R74	2.1	< 0.1	2.1	0.6	< 0.1	0.6
R75	1.6	< 0.1	1.6	0.4	< 0.1	0.4
R76	1.6	< 0.1	1.6	0.5	< 0.1	0.5
R77	2.8	2.9	5.7	0.4	0.4	0.7
R78	3.0	< 0.1	3.0	0.9	0.4	1.3
R79	2.2	< 0.1	2.2	0.7	0.4	1.1
R80	1.5	< 0.1	1.5	0.2	5.8	6.1
R81	2.5	< 0.1	2.5	0.6	< 0.1	0.6
R82	2.5	< 0.1	2.5	0.8	< 0.1	0.8
R83	2.4	< 0.1	2.4	0.4	0.1	0.5
R84	2.4	< 0.1	2.4	0.4	0.5	0.9
R85	2.9	< 0.1	2.9	0.7	0.4	1.1
R86	2.8	2.9	5.6	0.6	0.4	1.0
R87	1.9	2.9	4.8	0.3	1.2	1.5
R88	2.3	2.9	5.2	0.3	1.3	1.7
R89	2.2	2.9	5.0	0.3	1.3	1.6
R90	1.5	< 0.1	1.5	0.3	1.3	1.6
R91	1.7	2.9	4.5	0.3	1.2	1.5
R92	1.8	2.9	4.7	0.3	1.3	1.6
R93	2.0	1.4	3.4	0.6	0.4	0.9
R94	2.3	< 0.1	2.3	0.6	0.4	1.0
R95	1.9	< 0.1	1.9	0.5	0.4	0.9
R96	2.1	< 0.1	2.1	0.7	0.7	1.4
R97	1.6	< 0.1	1.6	0.4	0.8	1.2
R98	1.8	< 0.1	1.8	0.7	< 0.1	0.7
R99	2.0	2.9	4.9	0.6	0.8	1.4
R100	1.7	< 0.1	1.7	0.4	0.2	0.7

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	1.5	2.9	4.3	0.5	0.7	1.2
R102	1.8	2.9	4.6	0.4	0.2	0.7
R103	1.6	< 0.1	1.6	0.5	0.2	0.7
R104	1.2	1.4	2.7	0.2	2.5	2.7
R105	0.9	< 0.1	0.9	0.1	< 0.1	0.1
R106	1.4	2.9	4.2	0.2	0.6	0.8
R107	1.5	< 0.1	1.5	0.2	1.0	1.2
R108	1.8	< 0.1	1.8	0.3	0.4	0.7
R109	1.6	< 0.1	1.6	0.3	< 0.1	0.3
R110	1.4	< 0.1	1.4	0.3	0.4	0.7
R111	1.4	< 0.1	1.4	0.2	0.4	0.6
R112	1.6	< 0.1	1.6	0.3	1.1	1.4
R113	1.4	< 0.1	1.4	0.3	0.2	0.5
R114	1.0	< 0.1	1.0	0.1	< 0.1	0.1
R115	1.3	< 0.1	1.3	0.2	1.0	1.1
R116	0.8	5.7	6.6	0.1	1.8	1.9
R117	1.1	2.9	4.0	0.1	0.6	0.7
R118	1.3	< 0.1	1.3	0.2	0.1	0.4
R119	1.7	< 0.1	1.7	0.4	0.4	0.7
R120	1.5	< 0.1	1.5	0.3	1.1	1.4
R121	1.3	< 0.1	1.3	0.5	1.5	2.0
R122	1.4	< 0.1	1.4	0.6	0.5	1.0
R123	1.4	< 0.1	1.4	0.5	0.5	0.9
R124	1.1	< 0.1	1.1	0.3	< 0.1	0.3
R125	1.4	< 0.1	1.4	0.6	< 0.1	0.6
R126	1.0	< 0.1	1.0	0.3	< 0.1	0.3
R127	2.8	2.9	5.6	1.1	< 0.1	1.1
R128	4.1	< 0.1	4.1	1.0	0.7	1.7

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	7.12E-08	4.82E-03	1.73E-03	1.21E-03	4.89E-04
R2	6.26E-08	4.23E-03	1.52E-03	1.06E-03	4.30E-04
R3	5.62E-08	3.80E-03	1.37E-03	9.54E-04	3.86E-04
R4	5.30E-08	3.58E-03	1.29E-03	9.00E-04	3.64E-04
R5	4.65E-08	3.14E-03	1.13E-03	7.89E-04	3.19E-04
R6	3.74E-08	2.53E-03	9.11E-04	6.35E-04	2.57E-04
R7	3.28E-08	2.22E-03	7.98E-04	5.57E-04	2.25E-04
R8	3.35E-08	2.26E-03	8.14E-04	5.68E-04	2.30E-04
R9	4.02E-08	2.72E-03	9.78E-04	6.82E-04	2.76E-04
R10	4.88E-08	3.30E-03	1.19E-03	8.28E-04	3.35E-04
R11	4.95E-08	3.34E-03	1.20E-03	8.40E-04	3.40E-04
R12	5.61E-08	3.79E-03	1.36E-03	9.51E-04	3.85E-04
R13	5.09E-08	3.44E-03	1.24E-03	8.65E-04	3.50E-04
R14	5.20E-08	3.52E-03	1.27E-03	8.83E-04	3.57E-04
R15	3.79E-08	2.56E-03	9.22E-04	6.43E-04	2.60E-04
R16	1.22E-08	8.25E-04	2.97E-04	2.07E-04	8.38E-05
R17	9.66E-09	6.53E-04	2.35E-04	1.64E-04	6.63E-05
R18	9.51E-09	6.43E-04	2.32E-04	1.61E-04	6.53E-05
R19	1.62E-08	1.10E-03	3.94E-04	2.75E-04	1.11E-04
R20	1.57E-08	1.06E-03	3.83E-04	2.67E-04	1.08E-04
R21	1.42E-08	9.58E-04	3.45E-04	2.41E-04	9.73E-05
R22	1.31E-08	8.87E-04	3.19E-04	2.23E-04	9.02E-05
R23	1.16E-08	7.86E-04	2.83E-04	1.97E-04	7.98E-05
R24	1.12E-08	7.56E-04	2.72E-04	1.90E-04	7.68E-05
R25	1.15E-08	7.80E-04	2.81E-04	1.96E-04	7.92E-05
R26	9.49E-09	6.42E-04	2.31E-04	1.61E-04	6.52E-05
R27	6.37E-09	4.31E-04	1.55E-04	1.08E-04	4.37E-05
R28	1.51E-08	1.02E-03	3.68E-04	2.56E-04	1.04E-04
R29	1.54E-08	1.04E-03	3.74E-04	2.61E-04	1.06E-04
R30	1.43E-08	9.68E-04	3.48E-04	2.43E-04	9.83E-05
R31	1.80E-08	1.22E-03	4.38E-04	3.06E-04	1.24E-04
R32	1.26E-08	8.53E-04	3.07E-04	2.14E-04	8.67E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	1.07E-08	7.22E-04	2.60E-04	1.81E-04	7.34E-05
R34	1.10E-08	7.41E-04	2.67E-04	1.86E-04	7.53E-05
R35	1.27E-08	8.62E-04	3.10E-04	2.16E-04	8.75E-05
R36	9.41E-09	6.36E-04	2.29E-04	1.60E-04	6.46E-05
R37	9.45E-09	6.39E-04	2.30E-04	1.60E-04	6.49E-05
R38	2.74E-08	1.85E-03	6.66E-04	4.64E-04	1.88E-04
R39	1.67E-08	1.13E-03	4.07E-04	2.84E-04	1.15E-04
R40	3.91E-08	2.64E-03	9.52E-04	6.64E-04	2.69E-04
R41	3.16E-08	2.14E-03	7.69E-04	5.36E-04	2.17E-04
R42	2.86E-08	1.93E-03	6.95E-04	4.85E-04	1.96E-04
R43	2.37E-08	1.60E-03	5.77E-04	4.03E-04	1.63E-04
R44	3.63E-08	2.45E-03	8.83E-04	6.16E-04	2.49E-04
R45	3.20E-08	2.16E-03	7.78E-04	5.43E-04	2.20E-04
R46	2.79E-08	1.88E-03	6.78E-04	4.73E-04	1.91E-04
R47	3.44E-08	2.33E-03	8.38E-04	5.84E-04	2.36E-04
R48	3.98E-08	2.69E-03	9.70E-04	6.76E-04	2.74E-04
R49	2.91E-08	1.97E-03	7.07E-04	4.93E-04	2.00E-04
R50	2.64E-08	1.79E-03	6.43E-04	4.49E-04	1.81E-04
R51	2.09E-08	1.42E-03	5.09E-04	3.55E-04	1.44E-04
R52	1.75E-08	1.18E-03	4.26E-04	2.97E-04	1.20E-04
R53	1.89E-08	1.28E-03	4.61E-04	3.22E-04	1.30E-04
R54	1.53E-08	1.04E-03	3.73E-04	2.60E-04	1.05E-04
R55	1.81E-08	1.22E-03	4.40E-04	3.07E-04	1.24E-04
R56	1.80E-08	1.22E-03	4.37E-04	3.05E-04	1.23E-04
R57	1.63E-08	1.10E-03	3.96E-04	2.76E-04	1.12E-04
R58	1.73E-08	1.17E-03	4.22E-04	2.94E-04	1.19E-04
R59	1.89E-08	1.28E-03	4.60E-04	3.21E-04	1.30E-04
R60	1.72E-08	1.16E-03	4.18E-04	2.91E-04	1.18E-04
R61	1.77E-08	1.20E-03	4.31E-04	3.01E-04	1.22E-04
R62	1.80E-08	1.22E-03	4.38E-04	3.06E-04	1.24E-04
R63	1.70E-08	1.15E-03	4.13E-04	2.88E-04	1.17E-04
R64	1.45E-08	9.83E-04	3.54E-04	2.47E-04	9.99E-05
R65	1.54E-08	1.04E-03	3.74E-04	2.61E-04	1.05E-04
R66	1.53E-08	1.03E-03	3.72E-04	2.60E-04	1.05E-04
R67	1.45E-08	9.78E-04	3.52E-04	2.46E-04	9.94E-05
R68	9.94E-09	6.72E-04	2.42E-04	1.69E-04	6.83E-05
R69	1.15E-08	7.79E-04	2.80E-04	1.96E-04	7.91E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	1.40E-08	9.50E-04	3.42E-04	2.38E-04	9.65E-05
R71	2.19E-08	1.48E-03	5.33E-04	3.72E-04	1.50E-04
R72	2.42E-08	1.63E-03	5.88E-04	4.10E-04	1.66E-04
R73	2.90E-08	1.96E-03	7.05E-04	4.92E-04	1.99E-04
R74	1.80E-08	1.22E-03	4.38E-04	3.05E-04	1.23E-04
R75	1.33E-08	9.02E-04	3.25E-04	2.26E-04	9.16E-05
R76	1.29E-08	8.74E-04	3.15E-04	2.19E-04	8.88E-05
R77	1.82E-08	1.23E-03	4.42E-04	3.08E-04	1.25E-04
R78	1.69E-08	1.14E-03	4.11E-04	2.86E-04	1.16E-04
R79	1.63E-08	1.10E-03	3.98E-04	2.77E-04	1.12E-04
R80	1.15E-08	7.79E-04	2.80E-04	1.95E-04	7.91E-05
R81	1.55E-08	1.05E-03	3.78E-04	2.64E-04	1.07E-04
R82	1.75E-08	1.19E-03	4.27E-04	2.98E-04	1.20E-04
R83	1.86E-08	1.26E-03	4.52E-04	3.15E-04	1.28E-04
R84	1.79E-08	1.21E-03	4.37E-04	3.05E-04	1.23E-04
R85	1.56E-08	1.05E-03	3.79E-04	2.65E-04	1.07E-04
R86	1.62E-08	1.10E-03	3.95E-04	2.75E-04	1.11E-04
R87	1.53E-08	1.03E-03	3.73E-04	2.60E-04	1.05E-04
R88	1.66E-08	1.12E-03	4.03E-04	2.81E-04	1.14E-04
R89	1.52E-08	1.03E-03	3.69E-04	2.58E-04	1.04E-04
R90	1.22E-08	8.23E-04	2.96E-04	2.07E-04	8.36E-05
R91	1.37E-08	9.29E-04	3.35E-04	2.33E-04	9.44E-05
R92	1.36E-08	9.21E-04	3.31E-04	2.31E-04	9.35E-05
R93	1.61E-08	1.09E-03	3.91E-04	2.73E-04	1.10E-04
R94	1.32E-08	8.92E-04	3.21E-04	2.24E-04	9.06E-05
R95	1.27E-08	8.59E-04	3.09E-04	2.16E-04	8.72E-05
R96	1.57E-08	1.06E-03	3.83E-04	2.67E-04	1.08E-04
R97	1.30E-08	8.81E-04	3.17E-04	2.21E-04	8.94E-05
R98	1.47E-08	9.94E-04	3.58E-04	2.50E-04	1.01E-04
R99	1.47E-08	9.94E-04	3.58E-04	2.50E-04	1.01E-04
R100	1.53E-08	1.03E-03	3.72E-04	2.60E-04	1.05E-04
R101	1.24E-08	8.36E-04	3.01E-04	2.10E-04	8.49E-05
R102	1.34E-08	9.07E-04	3.26E-04	2.28E-04	9.21E-05
R103	1.22E-08	8.23E-04	2.96E-04	2.07E-04	8.36E-05
R104	9.81E-09	6.64E-04	2.39E-04	1.67E-04	6.74E-05
R105	6.61E-09	4.47E-04	1.61E-04	1.12E-04	4.54E-05
R106	9.27E-09	6.27E-04	2.26E-04	1.57E-04	6.37E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	1.06E-08	7.18E-04	2.58E-04	1.80E-04	7.29E-05
R108	1.32E-08	8.93E-04	3.22E-04	2.24E-04	9.07E-05
R109	1.28E-08	8.64E-04	3.11E-04	2.17E-04	8.78E-05
R110	1.04E-08	7.06E-04	2.54E-04	1.77E-04	7.17E-05
R111	1.22E-08	8.23E-04	2.96E-04	2.07E-04	8.36E-05
R112	1.13E-08	7.61E-04	2.74E-04	1.91E-04	7.73E-05
R113	1.20E-08	8.13E-04	2.93E-04	2.04E-04	8.26E-05
R114	8.15E-09	5.51E-04	1.98E-04	1.38E-04	5.60E-05
R115	7.93E-09	5.36E-04	1.93E-04	1.35E-04	5.44E-05
R116	5.67E-09	3.83E-04	1.38E-04	9.63E-05	3.90E-05
R117	6.62E-09	4.47E-04	1.61E-04	1.12E-04	4.54E-05
R118	9.48E-09	6.41E-04	2.31E-04	1.61E-04	6.51E-05
R119	1.41E-08	9.53E-04	3.43E-04	2.39E-04	9.68E-05
R120	1.03E-08	6.98E-04	2.51E-04	1.75E-04	7.09E-05
R121	1.26E-08	8.49E-04	3.06E-04	2.13E-04	8.62E-05
R122	1.26E-08	8.55E-04	3.08E-04	2.15E-04	8.69E-05
R123	1.30E-08	8.78E-04	3.16E-04	2.20E-04	8.91E-05
R124	9.02E-09	6.10E-04	2.20E-04	1.53E-04	6.20E-05
R125	1.23E-08	8.32E-04	2.99E-04	2.09E-04	8.45E-05
R126	7.38E-09	4.99E-04	1.80E-04	1.25E-04	5.07E-05
R127	2.01E-08	1.36E-03	4.90E-04	3.42E-04	1.38E-04
R128	2.04E-08	1.38E-03	4.97E-04	3.46E-04	1.40E-04
Max. at boundary	9.38E-08	6.34E-03	–	–	6.44E-04

Nitrogen dioxide (NO₂)

Maximum 1-hour concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.
Criterion			164
R1	4 437.0	8.2	4 445.2
R2	4 937.9	12.3	4 950.2
R3	4 429.4	12.3	4 441.7
R4	5 021.7	12.3	5 034.0
R5	3 434.7	12.3	3 447.0
R6	5 120.1	12.3	5 132.4
R7	2 587.3	12.3	2 599.6
R8	2 943.3	12.3	2 955.6
R9	2 564.4	10.2	2 574.6
R10	3 229.8	10.2	3 240.1
R11	2 484.4	10.2	2 494.7
R12	3 799.2	8.2	3 807.4
R13	3 956.1	8.2	3 964.3
R14	4 726.5	4.1	4 730.6
R15	2 471.0	10.2	2 481.2
R16	1 541.8	6.1	1 548.0
R17	1 781.3	2.0	1 783.3
R18	1 736.6	2.0	1 738.6
R19	1 383.8	2.0	1 385.9
R20	1 418.1	2.0	1 420.2
R21	1 472.4	2.0	1 474.4
R22	1 253.2	8.2	1 261.4
R23	1 231.3	2.0	1 233.4
R24	1 165.7	2.0	1 167.8
R25	1 110.0	10.2	1 120.3
R26	1 007.6	10.2	1 017.9
R27	762.6	4.1	766.7
R28	1 265.3	8.2	1 273.5
R29	1 387.1	< 0.1	1 387.1
R30	1 505.8	2.0	1 507.9

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R31	1 227.5	10.2	1 237.8
R32	1 254.5	6.1	1 260.7
R33	1 084.0	8.2	1 092.2
R34	1 095.3	8.2	1 103.5
R35	1 098.9	2.0	1 100.9
R36	1 649.7	2.0	1 651.8
R37	1 671.8	2.0	1 673.9
R38	1 847.4	10.2	1 857.6
R39	1 176.4	28.7	1 205.1
R40	2 802.9	34.9	2 837.7
R41	2 870.0	12.3	2 882.3
R42	2 827.8	6.1	2 834.0
R43	1 967.1	10.2	1 977.4
R44	1 727.9	6.1	1 734.0
R45	1 747.1	12.3	1 759.4
R46	1 393.8	10.2	1 404.1
R47	1 616.0	8.2	1 624.2
R48	2 281.4	10.2	2 291.6
R49	2 876.2	12.3	2 888.5
R50	1 559.3	4.1	1 563.4
R51	1 378.8	< 0.1	1 378.8
R52	1 973.9	12.3	1 986.2
R53	1 417.8	2.0	1 419.9
R54	1 305.2	6.1	1 311.3
R55	1 473.0	2.0	1 475.1
R56	1 544.1	< 0.1	1 544.1
R57	1 183.5	8.2	1 191.7
R58	1 347.7	6.1	1 353.9
R59	1 599.4	6.1	1 605.6
R60	1 370.4	6.1	1 376.6
R61	1 269.2	12.3	1 281.5
R62	1 469.7	10.2	1 480.0
R63	1 407.4	6.1	1 413.6
R64	1 027.6	9.2	1 036.8
R65	1 511.4	2.0	1 513.5

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R66	1 564.0	4.1	1 568.1
R67	1 196.9	2.0	1 198.9
R68	885.7	4.1	889.8
R69	981.4	6.1	987.6
R70	1 171.9	4.1	1 176.0
R71	1 233.5	10.2	1 243.8
R72	1 909.5	10.2	1 919.8
R73	2 217.5	10.2	2 227.8
R74	1 331.0	12.3	1 343.3
R75	1 251.1	2.0	1 253.1
R76	1 229.8	< 0.1	1 229.8
R77	1 648.6	4.1	1 652.7
R78	1 684.8	4.1	1 688.9
R79	1 274.6	12.3	1 286.9
R80	1 099.4	10.2	1 109.7
R81	1 568.2	6.1	1 574.4
R82	1 479.7	16.4	1 496.1
R83	1 789.2	22.6	1 811.7
R84	1 415.2	6.1	1 421.3
R85	1 825.3	4.1	1 829.4
R86	1 737.4	4.1	1 741.5
R87	1 425.7	10.2	1 435.9
R88	1 257.3	12.3	1 269.6
R89	1 201.1	12.3	1 213.4
R90	1 068.3	8.2	1 076.5
R91	1 343.4	10.2	1 353.6
R92	1 175.8	8.2	1 184.0
R93	1 306.1	12.3	1 318.4
R94	1 525.2	4.1	1 529.3
R95	1 304.2	4.1	1 308.3
R96	1 545.3	8.2	1 553.5
R97	1 549.9	12.3	1 562.2
R98	1 171.7	8.2	1 179.9
R99	1 598.1	10.2	1 608.3
R100	1 175.4	6.1	1 181.6

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R101	1 308.6	8.2	1 316.8
R102	1 294.0	4.1	1 298.1
R103	1 226.9	2.0	1 229.0
R104	1 039.2	6.1	1 045.3
R105	759.5	4.1	763.6
R106	982.1	10.2	992.3
R107	1 042.5	6.1	1 048.7
R108	1 549.5	2.0	1 551.5
R109	1 518.5	2.0	1 520.5
R110	1 365.9	< 0.1	1 365.9
R111	1 232.1	2.0	1 234.1
R112	1 521.9	2.0	1 524.0
R113	1 606.6	2.0	1 608.6
R114	950.5	4.1	954.6
R115	1 152.4	6.1	1 158.5
R116	821.1	10.2	831.3
R117	1 034.2	6.1	1 040.3
R118	1 317.5	6.1	1 323.7
R119	1 159.0	2.0	1 161.1
R120	1 665.1	2.0	1 667.1
R121	1 161.7	12.3	1 174.0
R122	1 224.6	10.2	1 234.8
R123	1 351.1	< 0.1	1 351.1
R124	1 043.1	< 0.1	1 043.1
R125	1 230.5	< 0.1	1 230.5
R126	1 251.9	< 0.1	1 251.9
R127	1 496.3	2.0	1 498.4
R128	2 024.8	12.3	2 037.1

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	36 327.9	29/04/2021 07:00	3 632.8	0.34	< 0.1	0.635	0.1	0.02	4 437.0	8.2	4 445.2
R2	42 066.4	02/10/2021 06:00	4 206.6	0.62	< 0.1	0.635	0.1	0.02	4 937.9	12.3	4 950.2
R3	36 648.5	02/10/2021 06:00	3 664.8	0.62	< 0.1	0.635	0.1	0.02	4 429.4	12.3	4 441.7
R4	42 536.5	02/10/2021 06:00	4 253.6	0.62	< 0.1	0.635	0.1	0.02	5 021.7	12.3	5 034.0
R5	25 787.8	02/10/2021 06:00	2 578.8	0.62	< 0.1	0.635	0.1	0.04	3 434.7	12.3	3 447.0
R6	38 215.5	02/10/2021 06:00	3 821.5	0.62	< 0.1	0.635	0.1	0.04	5 120.1	12.3	5 132.4
R7	17 252.2	02/10/2021 06:00	1 725.2	0.62	< 0.1	0.635	0.1	0.06	2 587.3	12.3	2 599.6
R8	18 739.1	25/09/2021 06:00	1 873.9	0.53	4.36	0.635	0.1	0.06	2 943.3	12.3	2 955.6
R9	18 321.1	27/09/2021 06:00	1 832.1	0.16	1.09	0.635	0.1	0.04	2 564.4	10.2	2 574.6
R10	24 706.4	27/09/2021 06:00	2 470.6	0.16	1.09	0.635	0.1	0.03	3 229.8	10.2	3 240.1
R11	19 358.6	27/09/2021 06:00	1 935.9	0.16	1.09	0.635	0.1	0.03	2 484.4	10.2	2 494.7
R12	34 763.9	19/08/2021 07:00	3 476.4	0.16	4.36	0.49	0.05	0.01	3 799.2	8.2	3 807.4
R13	36 035.3	19/08/2021 07:00	3 603.5	0.16	4.36	0.49	0.05	0.01	3 956.1	8.2	3 964.3
R14	44 845.8	20/08/2021 07:00	4 484.6	< 0.1	1.09	0.49	0.05	0.01	4 726.5	4.1	4 730.6
R15	21 872.7	16/06/2021 08:00	2 187.3	0.19	< 0.1	0.49	0.05	0.01	2 471.0	10.2	2 481.2
R16	4 693.2	12/11/2021 18:00	469.3	1.86	29.43	0.74	0.1	0.25	1 541.8	6.1	1 548.0
R17	4 343.6	15/11/2021 04:00	434.4	2.57	22.89	0.74	0.1	0.34	1 781.3	2.0	1 783.3
R18	4 269.2	15/11/2021 04:00	426.9	2.57	22.89	0.74	0.1	0.34	1 736.6	2.0	1 738.6
R19	4 782.0	21/09/2021 17:00	478.2	2.19	32.70	0.8	0.1	0.21	1 383.8	2.0	1 385.9
R20	4 866.0	14/09/2021 06:00	486.6	2.12	25.07	0.74	0.1	0.21	1 418.1	2.0	1 420.2
R21	4 878.9	14/09/2021 06:00	487.9	2.12	25.07	0.74	0.1	0.22	1 472.4	2.0	1 474.4
R22	3 732.4	20/05/2021 17:00	373.2	1.16	22.89	0.74	0.1	0.26	1 253.2	8.2	1 261.4
R23	3 537.0	21/09/2021 17:00	353.7	2.19	32.70	0.8	0.1	0.28	1 231.3	2.0	1 233.4
R24	3 712.6	13/02/2021 19:00	371.3	2.03	13.08	0.67	0.1	0.24	1 165.7	2.0	1 167.8
R25	3 279.7	22/12/2021 01:00	328.0	1.13	37.61	0.74	0.1	0.26	1 110.0	10.2	1 120.3
R26	2 913.6	22/12/2021 00:00	291.4	1.77	37.61	0.74	0.1	0.27	1 007.6	10.2	1 017.9
R27	2 596.9	28/07/2021 19:00	259.7	3.25	28.34	0.83	0.07	0.22	762.6	4.1	766.7
R28	4 116.0	20/05/2021 17:00	411.6	1.16	22.89	0.74	0.1	0.23	1 265.3	8.2	1 273.5
R29	4 903.9	14/03/2021 17:00	490.4	1.83	15.26	0.635	0.1	0.20	1 387.1	< 0.1	1 387.1
R30	4 784.6	14/09/2021 06:00	478.5	2.12	25.07	0.74	0.1	0.24	1 505.8	2.0	1 507.9
R31	5 596.2	21/12/2021 23:00	559.6	2.45	37.61	0.74	0.1	0.13	1 227.5	10.2	1 237.8
R32	4 595.7	02/02/2021 18:00	459.6	2.02	18.53	0.67	0.1	0.19	1 254.5	6.1	1 260.7

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	3 447.7	24/05/2021 01:00	344.8	0.90	5.45	0.635	0.1	0.24	1 084.0	8.2	1 092.2
R34	3 498.1	24/05/2021 01:00	349.8	0.90	5.45	0.635	0.1	0.24	1 095.3	8.2	1 103.5
R35	3 255.9	21/11/2021 05:00	325.6	1.53	20.71	0.74	0.1	0.26	1 098.9	2.0	1 100.9
R36	4 173.6	15/11/2021 04:00	417.4	2.57	22.89	0.74	0.1	0.33	1 649.7	2.0	1 651.8
R37	4 170.0	15/11/2021 04:00	417.0	2.57	22.89	0.74	0.1	0.33	1 671.8	2.0	1 673.9
R38	10 603.4	09/09/2021 07:00	1 060.3	0.36	< 0.1	0.635	0.1	0.08	1 847.4	10.2	1 857.6
R39	6 118.2	10/09/2021 03:00	611.8	2.44	17.44	0.635	0.1	0.10	1 176.4	28.7	1 205.1
R40	24 659.2	16/08/2021 07:00	2 465.9	0.22	1.09	0.49	0.05	0.02	2 802.9	34.9	2 837.7
R41	19 834.2	02/10/2021 06:00	1 983.4	0.62	< 0.1	0.635	0.1	0.05	2 870.0	12.3	2 882.3
R42	16 768.0	03/10/2021 06:00	1 676.8	0.13	< 0.1	0.635	0.1	0.08	2 827.8	6.1	2 834.0
R43	10 420.4	14/05/2021 07:00	1 042.0	0.61	< 0.1	0.635	0.1	0.10	1 967.1	10.2	1 977.4
R44	10 165.5	17/10/2021 17:00	1 016.5	2.47	43.60	0.85	0.1	0.08	1 727.9	6.1	1 734.0
R45	10 528.5	10/02/2021 18:00	1 052.9	2.15	15.26	0.67	0.1	0.07	1 747.1	12.3	1 759.4
R46	8 000.6	21/12/2021 23:00	800.1	2.45	37.61	0.74	0.1	0.08	1 393.8	10.2	1 404.1
R47	10 606.9	29/04/2021 07:00	1 060.7	0.34	< 0.1	0.635	0.1	0.06	1 616.0	8.2	1 624.2
R48	14 147.1	20/12/2021 05:00	1 414.7	0.77	37.61	0.74	0.1	0.07	2 281.4	10.2	2 291.6
R49	16 152.8	25/09/2021 06:00	1 615.3	0.53	4.36	0.635	0.1	0.09	2 876.2	12.3	2 888.5
R50	8 456.2	26/02/2021 06:00	845.6	0.56	< 0.1	0.67	0.1	0.09	1 559.3	4.1	1 563.4
R51	6 805.7	02/01/2021 05:00	680.6	1.04	6.54	0.67	0.1	0.11	1 378.8	< 0.1	1 378.8
R52	8 290.7	25/09/2021 06:00	829.1	0.53	4.36	0.635	0.1	0.15	1 973.9	12.3	1 986.2
R53	5 669.8	21/09/2021 17:00	567.0	2.19	32.70	0.8	0.1	0.17	1 417.8	2.0	1 419.9
R54	5 418.7	02/02/2021 18:00	541.9	2.02	18.53	0.67	0.1	0.16	1 305.2	6.1	1 311.3
R55	5 502.5	21/09/2021 17:00	550.2	2.19	32.70	0.8	0.1	0.19	1 473.0	2.0	1 475.1
R56	6 300.5	14/03/2021 17:00	630.0	1.83	15.26	0.635	0.1	0.16	1 544.1	< 0.1	1 544.1
R57	5 329.9	17/02/2021 06:00	533.0	1.15	3.27	0.67	0.1	0.14	1 183.5	8.2	1 191.7
R58	5 605.7	30/03/2021 17:00	560.6	2.34	23.98	0.74	0.1	0.16	1 347.7	6.1	1 353.9
R59	7 000.9	16/11/2021 18:00	700.1	2.27	27.25	0.74	0.1	0.14	1 599.4	6.1	1 605.6
R60	4 552.7	18/01/2021 18:00	455.3	2.27	49.05	0.81	0.15	0.22	1 370.4	6.1	1 376.6
R61	6 004.3	03/02/2021 18:00	600.4	2.28	19.62	0.67	0.1	0.12	1 269.2	12.3	1 281.5
R62	6 657.9	18/12/2021 05:00	665.8	1.03	37.61	0.74	0.1	0.13	1 469.7	10.2	1 480.0
R63	7 570.4	09/04/2021 07:00	757.0	0.45	< 0.1	0.635	0.1	0.10	1 407.4	6.1	1 413.6
R64	4 012.5	15/12/2021 22:00	401.3	0.56	37.61	0.74	0.1	0.17	1 027.6	9.2	1 036.8
R65	5 002.5	15/11/2021 04:00	500.3	2.57	22.89	0.74	0.1	0.22	1 511.4	2.0	1 513.5
R66	5 341.3	15/10/2021 18:00	534.1	2.97	26.16	0.74	0.1	0.21	1 564.0	4.1	1 568.1
R67	4 738.4	17/07/2021 04:00	473.8	2.95	31.61	0.87	0.07	0.17	1 196.9	2.0	1 198.9
R68	3 984.9	28/07/2021 19:00	398.5	3.25	28.34	0.83	0.07	0.14	885.7	4.1	889.8

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	4 359.0	09/04/2021 07:00	435.9	0.45	< 0.1	0.635	0.1	0.14	981.4	6.1	987.6
R70	5 821.3	14/04/2021 07:00	582.1	< 0.1	< 0.1	0.635	0.1	0.11	1 171.9	4.1	1 176.0
R71	9 897.0	16/06/2021 08:00	989.7	0.19	< 0.1	0.49	0.05	0.03	1 233.5	10.2	1 243.8
R72	10 943.8	12/02/2021 06:00	1 094.4	0.23	< 0.1	0.67	0.1	0.08	1 909.5	10.2	1 919.8
R73	14 205.1	12/02/2021 06:00	1 420.5	0.23	< 0.1	0.67	0.1	0.06	2 217.5	10.2	2 227.8
R74	6 657.9	04/08/2021 07:00	665.8	1.88	25.07	0.83	0.07	0.11	1 331.0	12.3	1 343.3
R75	4 357.3	13/11/2021 22:00	435.7	2.01	20.71	0.74	0.1	0.21	1 251.1	2.0	1 253.1
R76	3 980.7	05/10/2021 20:00	398.1	2.56	31.61	0.8	0.1	0.23	1 229.8	< 0.1	1 229.8
R77	8 292.3	01/05/2021 07:00	829.2	0.18	< 0.1	0.635	0.1	0.11	1 648.6	4.1	1 652.7
R78	8 191.1	03/01/2021 06:00	819.1	< 0.1	2.18	0.67	0.1	0.12	1 684.8	4.1	1 688.9
R79	5 733.0	03/02/2021 18:00	573.3	2.28	19.62	0.67	0.1	0.14	1 274.6	12.3	1 286.9
R80	3 868.5	19/12/2021 05:00	386.8	0.64	37.61	0.74	0.1	0.20	1 099.4	10.2	1 109.7
R81	6 790.5	19/02/2021 18:00	679.1	2.10	14.17	0.67	0.1	0.15	1 568.2	6.1	1 574.4
R82	6 420.5	14/12/2021 18:00	642.0	1.85	22.35	0.67	0.1	0.14	1 479.7	16.4	1 496.1
R83	6 677.2	01/09/2021 17:00	667.7	1.60	33.79	0.8	0.1	0.19	1 789.2	22.6	1 811.7
R84	5 715.1	16/11/2021 18:00	571.5	2.27	27.25	0.74	0.1	0.16	1 415.2	6.1	1 421.3
R85	8 091.3	03/01/2021 06:00	809.1	< 0.1	2.18	0.67	0.1	0.14	1 825.3	4.1	1 829.4
R86	7 993.5	03/01/2021 06:00	799.4	< 0.1	2.18	0.67	0.1	0.13	1 737.4	4.1	1 741.5
R87	4 350.9	02/12/2021 18:00	435.1	1.73	42.51	0.81	0.15	0.25	1 425.7	10.2	1 435.9
R88	3 044.4	12/01/2021 18:00	304.4	2.08	65.40	0.88	0.2	0.35	1 257.3	12.3	1 269.6
R89	2 772.2	12/01/2021 18:00	277.2	2.08	65.40	0.88	0.2	0.37	1 201.1	12.3	1 213.4
R90	3 515.1	08/10/2021 17:00	351.5	2.19	38.15	0.8	0.1	0.23	1 068.3	8.2	1 076.5
R91	3 824.2	02/12/2021 18:00	382.4	1.73	42.51	0.81	0.15	0.28	1 343.4	10.2	1 353.6
R92	4 095.5	08/10/2021 17:00	409.5	2.19	38.15	0.8	0.1	0.21	1 175.8	8.2	1 184.0
R93	5 439.8	03/02/2021 18:00	544.0	2.28	19.62	0.67	0.1	0.16	1 306.1	12.3	1 318.4
R94	6 166.9	03/01/2021 06:00	616.7	< 0.1	2.18	0.67	0.1	0.16	1 525.2	4.1	1 529.3
R95	4 977.5	03/01/2021 06:00	497.7	< 0.1	2.18	0.67	0.1	0.18	1 304.2	4.1	1 308.3
R96	5 956.6	02/03/2021 06:00	595.7	0.83	2.18	0.635	0.1	0.18	1 545.3	8.2	1 553.5
R97	5 764.6	25/09/2021 06:00	576.5	0.53	4.36	0.635	0.1	0.19	1 549.9	12.3	1 562.2
R98	4 225.6	02/03/2021 06:00	422.6	0.83	2.18	0.635	0.1	0.20	1 171.7	8.2	1 179.9
R99	5 648.5	16/12/2021 05:00	564.8	1.29	37.61	0.74	0.1	0.20	1 598.1	10.2	1 608.3
R100	4 535.4	02/02/2021 18:00	453.5	2.02	18.53	0.67	0.1	0.18	1 175.4	6.1	1 181.6
R101	4 537.5	02/03/2021 06:00	453.7	0.83	2.18	0.635	0.1	0.21	1 308.6	8.2	1 316.8
R102	4 827.9	10/03/2021 06:00	482.8	0.99	7.63	0.635	0.1	0.19	1 294.0	4.1	1 298.1
R103	3 674.6	21/09/2021 17:00	367.5	2.19	32.70	0.8	0.1	0.26	1 226.9	2.0	1 229.0
R104	3 296.7	02/02/2021 18:00	329.7	2.02	18.53	0.67	0.1	0.24	1 039.2	6.1	1 045.3

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	2 787.3	18/10/2021 06:00	278.7	0.40	1.09	0.635	0.1	0.19	759.5	4.1	763.6
R106	3 283.6	19/12/2021 20:00	328.4	2.07	37.61	0.74	0.1	0.22	982.1	10.2	992.3
R107	3 432.6	09/09/2021 20:00	343.3	2.59	38.15	0.8	0.1	0.23	1 042.5	6.1	1 048.7
R108	4 870.9	12/11/2021 19:00	487.1	2.25	27.25	0.74	0.1	0.24	1 549.5	2.0	1 551.5
R109	4 677.4	13/11/2021 22:00	467.7	2.01	20.71	0.74	0.1	0.25	1 518.5	2.0	1 520.5
R110	4 106.0	25/07/2021 17:00	410.6	3.06	32.70	0.87	0.07	0.26	1 365.9	< 0.1	1 365.9
R111	3 943.5	13/11/2021 01:00	394.3	3.42	21.80	0.74	0.1	0.24	1 232.1	2.0	1 234.1
R112	4 463.2	15/11/2021 03:00	446.3	2.50	22.89	0.74	0.1	0.27	1 521.9	2.0	1 524.0
R113	4 303.7	19/09/2021 18:00	430.4	2.00	32.70	0.8	0.1	0.30	1 606.6	2.0	1 608.6
R114	2 660.8	25/03/2021 00:00	266.1	1.07	20.71	0.74	0.1	0.29	950.5	4.1	954.6
R115	3 305.2	09/09/2021 22:00	330.5	0.59	34.88	0.8	0.1	0.28	1 152.4	6.1	1 158.5
R116	2 404.0	19/12/2021 20:00	240.4	2.07	37.61	0.74	0.1	0.27	821.1	10.2	831.3
R117	2 578.4	09/09/2021 22:00	257.8	0.59	34.88	0.8	0.1	0.33	1 034.2	6.1	1 040.3
R118	3 419.7	12/11/2021 18:00	342.0	1.86	29.43	0.74	0.1	0.32	1 317.5	6.1	1 323.7
R119	4 268.1	13/11/2021 01:00	426.8	3.42	21.80	0.74	0.1	0.19	1 159.0	2.0	1 161.1
R120	4 298.4	15/11/2021 04:00	429.8	2.57	22.89	0.74	0.1	0.32	1 665.1	2.0	1 667.1
R121	4 025.8	15/04/2021 07:00	402.6	0.12	< 0.1	0.635	0.1	0.21	1 161.7	12.3	1 174.0
R122	4 140.8	14/05/2021 07:00	414.1	0.61	< 0.1	0.635	0.1	0.22	1 224.6	10.2	1 234.8
R123	3 831.9	15/05/2021 18:00	383.2	2.38	27.25	0.74	0.1	0.28	1 351.1	< 0.1	1 351.1
R124	2 689.3	05/10/2021 18:00	268.9	3.80	32.70	0.8	0.1	0.32	1 043.1	< 0.1	1 043.1
R125	3 436.1	15/05/2021 21:00	343.6	1.71	26.16	0.74	0.1	0.29	1 230.5	< 0.1	1 230.5
R126	2 977.8	05/10/2021 20:00	297.8	2.56	31.61	0.8	0.1	0.36	1 251.9	< 0.1	1 251.9
R127	6 598.2	14/09/2021 06:00	659.8	2.12	25.07	0.74	0.1	0.14	1 496.3	2.0	1 498.4
R128	9 713.6	25/09/2021 06:00	971.4	0.53	4.36	0.635	0.1	0.12	2 024.8	12.3	2 037.1

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R6				Highest cumulative PM ₁₀ impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/08/2021	167.8	7.8	175.6	05/08/2021	167.8	7.8	175.6
14/05/2021	163.6	9.5	173.1	14/05/2021	163.6	9.5	173.1
27/05/2021	161.7	9.3	171.0	27/05/2021	161.7	9.3	171.0
25/08/2021	149.2	5.4	154.6	25/08/2021	149.2	5.4	154.6
18/07/2021	147.2	5.7	152.9	05/07/2021	142.5	10.9	153.4
05/07/2021	142.5	10.9	153.4	18/07/2021	147.2	5.7	152.9
06/08/2021	133.3	15.4	148.7	23/04/2021	119.5	29.9	149.4
04/06/2021	128.6	8.8	137.4	06/08/2021	133.3	15.4	148.7
23/04/2021	119.5	29.9	149.4	16/01/2021	114.8	25.0	139.8
16/01/2021	114.8	25.0	139.8	04/06/2021	128.6	8.8	137.4

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/03/2021	150.5	5.9	156.4	05/10/2021	146.4	14.0	160.4
21/03/2021	128.0	12.3	140.3	04/08/2021	121.5	5.6	127.1
19/02/2021	124.3	13.4	137.7	16/10/2021	107.0	7.1	114.1
29/01/2021	112.4	8.2	120.6	18/07/2021	101.1	5.7	106.8
02/11/2021	103.5	19.1	122.6	26/06/2021	89.0	10.0	99.0
10/03/2021	101.5	21.1	122.6	14/05/2021	85.5	9.5	95.0
20/02/2021	97.9	11.4	109.3	15/11/2021	85.1	9.9	95.0
02/12/2021	89.0	15.0	104.0	16/05/2021	86.0	7.9	93.9
10/02/2021	88.2	23.8	112.0	03/10/2021	82.8	7.7	90.5
24/12/2021	81.5	13.5	95.0	02/10/2021	81.9	8.0	89.9

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	148.3	11.1	159.4	27/01/2021	148.3	11.1	159.4
28/12/2021	138.0	10.1	148.1	28/12/2021	138.0	10.1	148.1
27/12/2021	135.8	11.2	147.0	08/01/2021	134.3	13.7	148.0
08/01/2021	134.3	13.7	148.0	19/01/2021	117.3	30.0	147.3
21/11/2021	133.3	6.6	139.9	16/12/2021	127.2	20.0	147.2
17/02/2021	131.8	14.1	145.9	27/12/2021	135.8	11.2	147.0
26/12/2021	130.4	14.9	145.3	22/11/2021	128.5	18.0	146.5
26/11/2021	129.3	6.4	135.7	17/02/2021	131.8	14.1	145.9
22/11/2021	128.5	18.0	146.5	26/12/2021	130.4	14.9	145.3
07/01/2021	127.5	11.0	138.5	06/03/2021	117.2	25.7	142.9

Highest incremental PM ₁₀ impact – Receptor R41				Highest cumulative PM ₁₀ impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/10/2021	146.4	14.0	160.4	22/03/2021	150.5	5.9	156.4
04/08/2021	121.5	5.6	127.1	21/03/2021	128.0	12.3	140.3
16/10/2021	107.0	7.1	114.1	19/02/2021	124.3	13.4	137.7
18/07/2021	101.1	5.7	106.8	10/03/2021	101.5	21.1	122.6
26/06/2021	89.0	10.0	99.0	02/11/2021	103.5	19.1	122.6
16/05/2021	86.0	7.9	93.9	29/01/2021	112.4	8.2	120.6
14/05/2021	85.5	9.5	95.0	10/02/2021	88.2	23.8	112.0
15/11/2021	85.1	9.9	95.0	20/02/2021	97.9	11.4	109.3
03/10/2021	82.8	7.7	90.5	02/12/2021	89.0	15.0	104.0
02/10/2021	81.9	8.0	89.9	30/11/2021	76.6	26.0	102.6

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	142.4	13.8	156.2	19/03/2021	142.4	13.8	156.2
18/03/2021	136.3	9.1	145.4	17/03/2021	134.0	13.5	147.5
17/03/2021	134.0	13.5	147.5	18/03/2021	136.3	9.1	145.4
11/11/2021	122.8	14.5	137.3	28/01/2021	121.8	16.0	137.8
28/01/2021	121.8	16.0	137.8	11/11/2021	122.8	14.5	137.3
17/02/2021	113.6	14.1	127.7	09/02/2021	108.7	19.8	128.5
09/02/2021	108.7	19.8	128.5	17/02/2021	113.6	14.1	127.7
20/03/2021	106.3	9.9	116.2	06/03/2021	93.6	25.7	119.3
22/12/2021	101.0	15.1	116.1	20/03/2021	106.3	9.9	116.2
18/02/2021	95.4	13.9	109.3	22/12/2021	101.0	15.1	116.1

Highest incremental PM ₁₀ impact – Receptor R4				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	136.7	11.1	147.8	27/01/2021	136.7	11.1	147.8
05/08/2021	130.1	7.8	137.9	17/08/2021	125.8	19.9	145.7
27/05/2021	128.7	9.3	138.0	27/11/2021	126.7	16.4	143.1
27/11/2021	126.7	16.4	143.1	27/05/2021	128.7	9.3	138.0
17/08/2021	125.8	19.9	145.7	05/08/2021	130.1	7.8	137.9
25/08/2021	122.1	5.4	127.5	15/02/2021	122.0	12.6	134.6
26/11/2021	122.1	6.4	128.5	25/09/2021	105.5	27.9	133.4
15/02/2021	122.0	12.6	134.6	23/04/2021	102.4	29.9	132.3
28/05/2021	117.9	14.3	132.2	28/05/2021	117.9	14.3	132.2
11/12/2021	117.8	8.1	125.9	26/11/2021	122.1	6.4	128.5

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	135.3	11.1	146.4	27/01/2021	135.3	11.1	146.4
27/05/2021	128.1	9.3	137.4	17/08/2021	124.7	19.9	144.6
05/08/2021	128.0	7.8	135.8	27/05/2021	128.1	9.3	137.4
17/08/2021	124.7	19.9	144.6	25/09/2021	108.0	27.9	135.9
25/08/2021	120.6	5.4	126.0	05/08/2021	128.0	7.8	135.8
28/05/2021	113.8	14.3	128.1	05/03/2021	100.7	32.7	133.4
15/02/2021	113.6	12.6	126.2	02/03/2021	98.0	33.8	131.8
11/12/2021	113.4	8.1	121.5	23/04/2021	101.2	29.9	131.1
05/07/2021	112.9	10.9	123.8	16/01/2021	103.2	25.0	128.2
21/11/2021	112.7	6.6	119.3	28/05/2021	113.8	14.3	128.1

Highest incremental PM ₁₀ impact – Receptor R3				Highest cumulative PM ₁₀ impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	129.8	11.1	140.9	11/11/2021	126.5	14.5	141.0
11/12/2021	120.6	8.1	128.7	17/03/2021	118.8	13.5	132.3
27/11/2021	118.7	16.4	135.1	21/03/2021	108.5	12.3	120.8
15/02/2021	118.0	12.6	130.6	20/03/2021	107.3	9.9	117.2
28/05/2021	116.1	14.3	130.4	18/03/2021	105.6	9.1	114.7
17/08/2021	114.5	19.9	134.4	18/02/2021	98.4	13.9	112.3
14/03/2021	114.0	7.4	121.4	21/12/2021	94.1	15.9	110.0
29/05/2021	113.6	9.3	122.9	14/12/2021	87.2	21.6	108.8
13/09/2021	112.8	14.8	127.6	21/10/2021	92.0	16.5	108.5
26/11/2021	112.4	6.4	118.8	27/04/2021	71.9	35.4	107.3

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
11/11/2021	126.5	14.5	141.0	27/01/2021	129.8	11.1	140.9
17/03/2021	118.8	13.5	132.3	27/11/2021	118.7	16.4	135.1
21/03/2021	108.5	12.3	120.8	17/08/2021	114.5	19.9	134.4
20/03/2021	107.3	9.9	117.2	15/02/2021	118.0	12.6	130.6
18/03/2021	105.6	9.1	114.7	28/05/2021	116.1	14.3	130.4
18/02/2021	98.4	13.9	112.3	11/12/2021	120.6	8.1	128.7
12/10/2021	96.4	8.9	105.3	13/09/2021	112.8	14.8	127.6
21/12/2021	94.1	15.9	110.0	21/09/2021	112.1	13.5	125.6
21/10/2021	92.0	16.5	108.5	25/09/2021	96.6	27.9	124.5
21/02/2021	91.5	9.1	100.6	29/05/2021	113.6	9.3	122.9

Highest incremental PM ₁₀ impact – Receptor R44				Highest cumulative PM ₁₀ impact – Receptor R14			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	122.9	12.3	135.2	19/08/2021	108.1	28.2	136.3
19/02/2021	72.5	13.4	85.9	12/02/2021	92.3	32.0	124.3
09/11/2021	55.3	13.4	68.7	20/08/2021	86.4	34.1	120.5
10/03/2021	49.8	21.1	70.9	28/10/2021	82.8	36.6	119.4
28/02/2021	49.3	21.6	70.9	25/01/2021	84.4	33.5	117.9
29/01/2021	49.2	8.2	57.4	05/02/2021	91.9	20.5	112.4
10/02/2021	48.5	23.8	72.3	22/08/2021	79.2	32.0	111.2
06/04/2021	45.4	22.4	67.8	03/09/2021	91.3	19.8	111.1
24/12/2021	44.2	13.5	57.7	19/12/2021	93.2	17.6	110.7
17/01/2021	43.9	25.5	69.4	24/01/2021	84.5	25.4	109.9

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R6				Highest cumulative PM _{2.5} impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/08/2021	167.8	4.7	172.5	05/08/2021	167.8	4.7	172.5
14/05/2021	163.6	3.8	167.4	14/05/2021	163.6	3.8	167.4
27/05/2021	161.7	2.4	164.1	27/05/2021	161.7	2.4	164.1
25/08/2021	149.2	2.9	152.1	25/08/2021	149.2	2.9	152.1
18/07/2021	147.2	1.6	148.8	18/07/2021	147.2	1.6	148.8
05/07/2021	142.5	6.2	148.7	05/07/2021	142.5	6.2	148.7
06/08/2021	133.3	6.2	139.5	06/08/2021	133.3	6.2	139.5
04/06/2021	128.6	5.7	134.3	23/04/2021	119.5	19.5	139.0
23/04/2021	119.5	19.5	139.0	04/06/2021	128.6	5.7	134.3
16/01/2021	114.8	9.4	124.2	16/01/2021	114.8	9.4	124.2

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/03/2021	150.5	2.4	152.9	27/01/2021	148.3	7.0	155.3
21/03/2021	128.0	4.9	132.9	28/12/2021	138.0	1.2	139.2
19/02/2021	124.3	2.9	127.2	27/12/2021	135.8	2.0	137.8
29/01/2021	112.4	4.3	116.7	08/01/2021	134.3	2.8	137.1
02/11/2021	103.5	3.5	107.0	17/02/2021	131.8	4.8	136.6
10/03/2021	101.5	4.9	106.4	26/12/2021	130.4	5.8	136.2
20/02/2021	97.9	2.0	99.9	21/11/2021	133.3	1.9	135.2
02/12/2021	89.0	3.9	92.9	16/12/2021	127.2	6.6	133.8
10/02/2021	88.2	6.4	94.6	22/11/2021	128.5	4.4	132.9
24/12/2021	81.5	5.9	87.4	26/11/2021	129.3	1.9	131.2

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	148.3	7.0	155.3	22/03/2021	150.5	2.4	152.9
28/12/2021	138.0	1.2	139.2	21/03/2021	128.0	4.9	132.9
27/12/2021	135.8	2.0	137.8	19/02/2021	124.3	2.9	127.2
08/01/2021	134.3	2.8	137.1	29/01/2021	112.4	4.3	116.7
21/11/2021	133.3	1.9	135.2	02/11/2021	103.5	3.5	107.0
17/02/2021	131.8	4.8	136.6	10/03/2021	101.5	4.9	106.4
26/12/2021	130.4	5.8	136.2	20/02/2021	97.9	2.0	99.9
26/11/2021	129.3	1.9	131.2	10/02/2021	88.2	6.4	94.6
22/11/2021	128.5	4.4	132.9	02/12/2021	89.0	3.9	92.9
07/01/2021	127.5	2.7	130.2	24/12/2021	81.5	5.9	87.4

Highest incremental PM _{2.5} impact – Receptor R41				Highest cumulative PM _{2.5} impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/10/2021	146.4	3.8	150.2	05/10/2021	146.4	3.8	150.2
04/08/2021	121.5	1.8	123.3	04/08/2021	121.5	1.8	123.3
16/10/2021	107.0	1.9	108.9	16/10/2021	107.0	1.9	108.9
18/07/2021	101.1	1.6	102.7	18/07/2021	101.1	1.6	102.7
26/06/2021	89.0	5.8	94.8	26/06/2021	89.0	5.8	94.8
16/05/2021	86.0	3.1	89.1	14/05/2021	85.5	3.8	89.3
14/05/2021	85.5	3.8	89.3	16/05/2021	86.0	3.1	89.1
15/11/2021	85.1	2.4	87.5	15/11/2021	85.1	2.4	87.5
03/10/2021	82.8	3.8	86.6	03/10/2021	82.8	3.8	86.6
02/10/2021	81.9	2.9	84.8	02/10/2021	81.9	2.9	84.8

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	142.4	2.9	145.3	19/03/2021	142.4	2.9	145.3
18/03/2021	136.3	2.5	138.8	18/03/2021	136.3	2.5	138.8
17/03/2021	134.0	3.3	137.3	17/03/2021	134.0	3.3	137.3
11/11/2021	122.8	3.6	126.4	28/01/2021	121.8	8.3	130.1
28/01/2021	121.8	8.3	130.1	11/11/2021	122.8	3.6	126.4
17/02/2021	113.6	4.8	118.4	17/02/2021	113.6	4.8	118.4
09/02/2021	108.7	8.3	117.0	09/02/2021	108.7	8.3	117.0
20/03/2021	106.3	1.5	107.8	20/03/2021	106.3	1.5	107.8
22/12/2021	101.0	4.4	105.4	22/12/2021	101.0	4.4	105.4
18/02/2021	95.4	3.9	99.2	06/03/2021	93.6	6.9	100.5

Highest incremental PM _{2.5} impact – Receptor R4				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	136.7	7.0	143.7	27/01/2021	136.7	7.0	143.7
05/08/2021	130.1	4.7	134.8	05/08/2021	130.1	4.7	134.8
27/05/2021	128.7	2.4	131.1	27/11/2021	126.7	6.0	132.7
27/11/2021	126.7	6.0	132.7	27/05/2021	128.7	2.4	131.1
17/08/2021	125.8	4.5	130.3	17/08/2021	125.8	4.5	130.3
25/08/2021	122.1	2.9	125.0	15/02/2021	122.0	4.7	126.7
26/11/2021	122.1	1.9	124.0	25/08/2021	122.1	2.9	125.0
15/02/2021	122.0	4.7	126.7	26/11/2021	122.1	1.9	124.0
28/05/2021	117.9	4.9	122.8	28/05/2021	117.9	4.9	122.8
11/12/2021	117.8	2.1	119.9	23/04/2021	102.4	19.5	121.9

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	135.3	7.0	142.3	27/01/2021	135.3	7.0	142.3
27/05/2021	128.1	2.4	130.5	05/08/2021	128.0	4.7	132.7
05/08/2021	128.0	4.7	132.7	27/05/2021	128.1	2.4	130.5
17/08/2021	124.7	4.5	129.2	17/08/2021	124.7	4.5	129.2
25/08/2021	120.6	2.9	123.5	25/08/2021	120.6	2.9	123.5
28/05/2021	113.8	4.9	118.7	23/04/2021	101.2	19.5	120.7
15/02/2021	113.6	4.7	118.3	05/07/2021	112.9	6.2	119.1
11/12/2021	113.4	2.1	115.5	28/05/2021	113.8	4.9	118.7
05/07/2021	112.9	6.2	119.1	15/02/2021	113.6	4.7	118.3
21/11/2021	112.7	1.9	114.6	06/09/2021	112.4	5.8	118.2

Highest incremental PM _{2.5} impact – Receptor R3				Highest cumulative PM _{2.5} impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	129.8	7.0	136.8	27/01/2021	129.8	7.0	136.8
11/12/2021	120.6	2.1	122.7	27/11/2021	118.7	6.0	124.7
27/11/2021	118.7	6.0	124.7	15/02/2021	118.0	4.7	122.7
15/02/2021	118.0	4.7	122.7	11/12/2021	120.6	2.1	122.7
28/05/2021	116.1	4.9	121.0	28/05/2021	116.1	4.9	121.0
17/08/2021	114.5	4.5	119.0	17/08/2021	114.5	4.5	119.0
14/03/2021	114.0	4.0	118.0	14/03/2021	114.0	4.0	118.0
29/05/2021	113.6	3.4	117.0	29/05/2021	113.6	3.4	117.0
13/09/2021	112.8	3.2	116.0	13/09/2021	112.8	3.2	116.0
26/11/2021	112.4	1.9	114.3	21/09/2021	112.1	3.1	115.2

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
11/11/2021	126.5	3.6	130.1	11/11/2021	126.5	3.6	130.1
17/03/2021	118.8	3.3	122.1	17/03/2021	118.8	3.3	122.1
21/03/2021	108.5	4.9	113.4	21/03/2021	108.5	4.9	113.4
20/03/2021	107.3	1.5	108.8	20/03/2021	107.3	1.5	108.8
18/03/2021	105.6	2.5	108.1	18/03/2021	105.6	2.5	108.1
18/02/2021	98.4	3.9	102.2	18/02/2021	98.4	3.9	102.2
12/10/2021	96.4	3.5	99.9	12/10/2021	96.4	3.5	99.9
21/12/2021	94.1	3.7	97.8	21/12/2021	94.1	3.7	97.8
21/10/2021	92.0	4.7	96.7	21/10/2021	92.0	4.7	96.7
21/02/2021	91.5	1.2	92.7	21/02/2021	91.5	1.2	92.7

Highest incremental PM _{2.5} impact – Receptor R44				Highest cumulative PM _{2.5} impact – Receptor R44			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	122.9	4.9	127.8	21/03/2021	122.9	4.9	127.8
19/02/2021	72.5	2.9	75.4	19/02/2021	72.5	2.9	75.4
09/11/2021	55.3	4.4	59.7	09/11/2021	55.3	4.4	59.7
10/03/2021	49.8	4.9	54.7	28/02/2021	49.3	7.8	57.1
28/02/2021	49.3	7.8	57.1	10/02/2021	48.5	6.4	54.9
29/01/2021	49.2	4.3	53.5	10/03/2021	49.8	4.9	54.7
10/02/2021	48.5	6.4	54.9	29/01/2021	49.2	4.3	53.5
06/04/2021	45.4	7.1	52.5	06/04/2021	45.4	7.1	52.5
24/12/2021	44.2	5.9	50.1	17/01/2021	43.9	7.2	51.1
17/01/2021	43.9	7.2	51.1	24/12/2021	44.2	5.9	50.1

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	148.3	148.3
R2	135.3	135.3
R3	129.8	129.8
R4	136.7	136.7
R5	114.2	114.2
R6	167.8	167.8
R7	111.4	111.4
R8	86.9	86.9
R9	97.9	97.9
R10	142.4	142.4
R11	126.5	126.5
R12	150.5	150.5
R13	93.6	93.6
R14	108.1	108.1
R15	82.7	82.7
R16	23.6	23.6
R17	22.1	22.1
R18	21.5	21.5
R19	36.6	36.6
R20	54.4	54.4
R21	48.1	48.1
R22	30.6	30.6
R23	26.5	26.5
R24	24.0	24.0
R25	21.2	21.2
R26	15.9	15.9
R27	10.7	10.7
R28	37.4	37.4
R29	37.2	37.2
R30	33.3	33.3
R31	34.1	34.1

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	20.9	20.9
R33	18.7	18.7
R34	19.5	19.5
R35	22.5	22.5
R36	22.0	22.0
R37	22.1	22.1
R38	62.9	62.9
R39	31.4	31.4
R40	65.7	65.7
R41	146.4	146.4
R42	115.1	115.1
R43	98.2	98.2
R44	122.9	122.9
R45	103.4	103.4
R46	75.7	75.7
R47	76.0	76.0
R48	86.9	86.9
R49	76.3	76.3
R50	71.2	71.2
R51	50.0	50.0
R52	54.5	54.5
R53	47.7	47.7
R54	27.0	27.0
R55	43.5	43.5
R56	44.8	44.8
R57	29.5	29.5
R58	40.2	40.2
R59	39.2	39.2
R60	29.6	29.6
R61	41.2	41.2
R62	22.3	22.3
R63	32.3	32.3
R64	18.7	18.7
R65	34.1	34.1
R66	28.0	28.0
R67	27.4	27.4

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	18.6	18.6
R69	18.7	18.7
R70	30.8	30.8
R71	50.3	50.3
R72	61.2	61.2
R73	72.6	72.6
R74	53.9	53.9
R75	30.8	30.8
R76	38.3	38.3
R77	28.7	28.7
R78	52.0	52.0
R79	35.5	35.5
R80	13.4	13.4
R81	35.4	35.4
R82	42.0	42.0
R83	27.2	27.2
R84	23.8	23.8
R85	39.8	39.8
R86	39.5	39.5
R87	20.6	20.6
R88	19.4	19.4
R89	17.6	17.6
R90	15.1	15.1
R91	18.7	18.7
R92	16.1	16.1
R93	28.3	28.3
R94	31.4	31.4
R95	27.0	27.0
R96	43.6	43.6
R97	34.2	34.2
R98	49.6	49.6
R99	33.6	33.6
R100	26.4	26.4
R101	35.4	35.4
R102	29.9	29.9
R103	26.1	26.1

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R104	16.0	16.0
R105	10.3	10.3
R106	14.5	14.5
R107	17.7	17.7
R108	22.5	22.5
R109	28.6	28.6
R110	24.2	24.2
R111	12.8	12.8
R112	27.3	27.3
R113	24.0	24.0
R114	8.0	8.0
R115	12.6	12.6
R116	9.3	9.3
R117	11.4	11.4
R118	18.4	18.4
R119	18.8	18.8
R120	22.3	22.3
R121	28.6	28.6
R122	43.5	43.5
R123	38.3	38.3
R124	21.4	21.4
R125	40.6	40.6
R126	20.7	20.7
R127	63.5	63.5
R128	64.3	64.3

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	12.8	0.5	13.3	9.7	0.4	10.1	2.1	< 0.1	2.1
R2	14.8	0.2	15.0	11.2	0.1	11.4	2.1	0.3	2.4
R3	12.9	0.2	13.1	9.8	0.1	9.9	2.1	0.3	2.4
R4	15.0	0.2	15.2	11.4	0.1	11.5	2.1	0.3	2.4
R5	9.1	0.2	9.3	6.9	0.1	7.0	1.7	< 0.1	1.7
R6	13.5	0.2	13.6	10.2	0.1	10.3	2.0	0.1	2.1
R7	6.1	0.2	6.2	4.6	0.1	4.7	1.5	< 0.1	1.5
R8	6.6	0.2	6.8	5.0	0.1	5.1	1.4	< 0.1	1.4
R9	6.5	0.2	6.6	4.9	0.1	5.0	1.6	< 0.1	1.6
R10	8.7	0.2	8.9	6.6	0.1	6.7	2.3	< 0.1	2.3
R11	6.8	0.2	7.0	5.2	0.1	5.3	2.4	< 0.1	2.4
R12	12.3	0.5	12.7	9.3	0.4	9.7	2.7	< 0.1	2.7
R13	12.7	0.5	13.2	9.6	0.4	10.0	2.1	0.2	2.3
R14	15.8	0.5	16.3	12.0	0.4	12.4	3.1	0.2	3.3
R15	7.7	0.3	8.0	5.8	0.2	6.1	1.7	0.2	1.8
R16	1.7	0.2	1.8	1.3	0.1	1.4	0.7	< 0.1	0.7
R17	1.5	< 0.1	1.5	1.2	< 0.1	1.2	0.7	< 0.1	0.7
R18	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R19	1.8	< 0.1	1.8	1.3	< 0.1	1.3	0.7	< 0.1	0.7
R20	1.7	< 0.1	1.7	1.3	< 0.1	1.3	1.0	< 0.1	1.0
R21	1.7	< 0.1	1.7	1.3	< 0.1	1.3	1.0	< 0.1	1.0
R22	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.7	< 0.1	0.8
R23	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R24	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.6	< 0.1	0.7
R25	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.5	< 0.1	0.6
R26	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R27	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.3	< 0.1	0.3
R28	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.9	0.1	1.0
R29	1.7	< 0.1	1.7	1.3	< 0.1	1.3	1.0	0.1	1.1
R30	1.7	< 0.1	1.7	1.3	< 0.1	1.3	0.9	< 0.1	1.0

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	2.0	< 0.1	2.0	1.5	< 0.1	1.5	0.8	< 0.1	0.8
R32	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.6	< 0.1	0.6
R33	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.5	< 0.1	0.6
R34	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.5	< 0.1	0.6
R35	1.3	0.2	1.4	1.0	0.1	1.1	0.6	< 0.1	0.6
R36	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R37	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.6	< 0.1	0.6
R38	3.7	0.7	4.4	2.8	0.5	3.3	1.6	< 0.1	1.6
R39	2.2	< 0.1	2.2	1.6	< 0.1	1.6	0.9	< 0.1	0.9
R40	8.7	0.2	8.9	6.6	0.1	6.7	1.3	0.1	1.4
R41	7.0	0.2	7.2	5.3	0.1	5.4	2.1	< 0.1	2.1
R42	5.9	0.2	6.1	4.5	0.1	4.6	1.9	< 0.1	2.0
R43	3.7	0.3	4.0	2.8	0.2	3.0	1.5	0.1	1.7
R44	3.9	< 0.1	3.9	3.0	< 0.1	3.0	1.9	< 0.1	1.9
R45	3.7	< 0.1	3.7	2.8	< 0.1	2.8	1.6	< 0.1	1.6
R46	2.8	< 0.1	2.8	2.1	< 0.1	2.1	1.2	< 0.1	1.2
R47	3.7	0.5	4.2	2.8	0.4	3.2	1.1	< 0.1	1.1
R48	5.0	0.5	5.5	3.8	0.4	4.2	1.3	< 0.1	1.3
R49	5.7	0.2	5.9	4.3	0.1	4.4	1.3	< 0.1	1.3
R50	3.0	0.5	3.5	2.3	0.4	2.6	1.1	< 0.1	1.1
R51	2.4	< 0.1	2.4	1.8	< 0.1	1.8	0.8	< 0.1	0.8
R52	2.9	0.2	3.1	2.2	0.1	2.3	1.1	< 0.1	1.1
R53	2.1	< 0.1	2.1	1.6	< 0.1	1.6	0.8	< 0.1	0.8
R54	1.9	< 0.1	1.9	1.4	< 0.1	1.4	0.7	< 0.1	0.7
R55	2.1	0.2	2.2	1.6	0.1	1.7	0.9	< 0.1	0.9
R56	2.2	< 0.1	2.2	1.7	< 0.1	1.7	1.1	0.1	1.2
R57	1.9	< 0.1	1.9	1.4	< 0.1	1.4	0.7	< 0.1	0.7
R58	2.0	< 0.1	2.0	1.5	< 0.1	1.5	0.8	< 0.1	0.8
R59	2.5	< 0.1	2.5	1.9	< 0.1	1.9	1.0	< 0.1	1.0
R60	1.9	< 0.1	1.9	1.5	< 0.1	1.5	0.7	< 0.1	0.7
R61	2.1	< 0.1	2.1	1.6	< 0.1	1.6	0.8	< 0.1	0.8
R62	2.4	0.8	3.2	1.8	0.6	2.4	0.6	< 0.1	0.6
R63	2.7	< 0.1	2.7	2.0	< 0.1	2.0	0.7	< 0.1	0.7
R64	2.1	0.8	2.9	1.6	0.6	2.2	0.6	< 0.1	0.6
R65	1.8	< 0.1	1.8	1.4	< 0.1	1.4	0.9	< 0.1	0.9

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	2.1	< 0.1	2.1	1.6	< 0.1	1.6	0.8	< 0.1	0.8
R67	1.7	< 0.1	1.7	1.3	< 0.1	1.3	1.0	< 0.1	1.0
R68	1.7	0.8	2.5	1.3	0.6	1.9	0.5	< 0.1	0.5
R69	1.5	< 0.1	1.5	1.2	< 0.1	1.2	0.4	< 0.1	0.4
R70	2.1	< 0.1	2.1	1.6	< 0.1	1.6	0.6	< 0.1	0.6
R71	3.5	0.3	3.8	2.6	0.2	2.9	1.1	0.2	1.3
R72	4.5	0.3	4.8	3.4	0.2	3.6	1.3	0.2	1.5
R73	5.5	0.3	5.8	4.1	0.2	4.4	1.5	0.2	1.7
R74	2.4	0.7	3.1	1.8	0.5	2.3	1.1	< 0.1	1.1
R75	1.7	< 0.1	1.7	1.3	< 0.1	1.3	1.0	< 0.1	1.0
R76	1.8	< 0.1	1.8	1.3	< 0.1	1.3	0.8	< 0.1	0.8
R77	2.9	0.5	3.4	2.2	0.4	2.6	0.8	< 0.1	0.8
R78	2.9	0.2	3.1	2.2	0.1	2.3	0.8	< 0.1	0.8
R79	2.0	< 0.1	2.0	1.5	< 0.1	1.5	0.8	< 0.1	0.8
R80	1.4	< 0.1	1.4	1.0	< 0.1	1.0	0.4	0.4	0.8
R81	2.4	< 0.1	2.4	1.8	< 0.1	1.8	0.7	< 0.1	0.7
R82	2.3	< 0.1	2.3	1.7	< 0.1	1.7	1.1	< 0.1	1.1
R83	2.4	0.2	2.5	1.8	0.1	1.9	0.8	0.2	0.9
R84	2.0	< 0.1	2.0	1.5	< 0.1	1.5	0.7	< 0.1	0.7
R85	2.9	0.2	3.0	2.2	0.1	2.3	0.7	< 0.1	0.8
R86	2.8	0.2	3.0	2.1	0.1	2.3	0.9	< 0.1	0.9
R87	2.1	0.5	2.6	1.6	0.4	2.0	0.7	< 0.1	0.7
R88	2.2	0.8	3.0	1.7	0.6	2.3	0.6	< 0.1	0.6
R89	2.0	0.8	2.8	1.5	0.6	2.1	0.5	< 0.1	0.6
R90	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.5	< 0.1	0.5
R91	1.7	0.5	2.2	1.3	0.4	1.7	0.7	< 0.1	0.7
R92	1.7	0.8	2.6	1.3	0.6	1.9	0.5	< 0.1	0.5
R93	1.9	< 0.1	1.9	1.5	< 0.1	1.5	0.7	< 0.1	0.7
R94	2.2	0.2	2.3	1.6	0.1	1.8	0.6	< 0.1	0.6
R95	1.8	0.2	1.9	1.3	0.1	1.5	0.5	< 0.1	0.5
R96	2.1	0.3	2.4	1.6	0.2	1.8	1.0	< 0.1	1.0
R97	2.0	0.2	2.2	1.5	0.1	1.7	0.8	< 0.1	0.8
R98	1.5	0.3	1.8	1.1	0.2	1.4	0.9	< 0.1	0.9
R99	2.0	0.2	2.2	1.5	0.1	1.6	0.9	< 0.1	0.9
R100	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.7	< 0.1	0.7

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	1.6	0.3	1.9	1.2	0.2	1.5	0.8	< 0.1	0.8
R102	1.7	0.2	1.9	1.3	0.1	1.4	0.7	< 0.1	0.7
R103	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.5	< 0.1	0.6
R104	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.5	< 0.1	0.6
R105	1.0	0.2	1.1	0.7	0.1	0.9	0.4	< 0.1	0.4
R106	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.4	< 0.1	0.4
R107	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.6	< 0.1	0.6
R108	1.9	< 0.1	1.9	1.4	< 0.1	1.4	0.7	< 0.1	0.7
R109	1.6	< 0.1	1.6	1.2	< 0.1	1.2	1.0	< 0.1	1.0
R110	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R111	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R112	1.7	< 0.1	1.7	1.3	< 0.1	1.3	0.8	< 0.1	0.8
R113	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.8	< 0.1	0.8
R114	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.3	< 0.1	0.3
R115	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.4	< 0.1	0.4
R116	0.8	< 0.1	0.8	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R117	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.3	< 0.1	0.3
R118	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.5	< 0.1	0.5
R119	1.5	< 0.1	1.5	1.2	< 0.1	1.2	0.9	< 0.1	0.9
R120	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R121	1.4	0.3	1.7	1.1	0.2	1.3	0.8	< 0.1	0.8
R122	1.5	0.3	1.8	1.1	0.2	1.4	0.9	< 0.1	0.9
R123	1.4	< 0.1	1.4	1.1	< 0.1	1.1	1.0	< 0.1	1.0
R124	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.6	< 0.1	0.6
R125	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.7	0.1	0.8
R126	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R127	2.4	< 0.1	2.4	1.8	< 0.1	1.8	1.1	< 0.1	1.1
R128	3.4	0.2	3.6	2.6	0.1	2.7	1.1	< 0.1	1.1

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations (µg·m⁻³).

Rec.	1-hour (µg/m³)			24-hour (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	12.2	2.9	15.0	2.0	0.2	2.2
R2	14.1	< 0.1	14.1	1.8	0.2	2.0
R3	12.3	< 0.1	12.3	1.7	0.2	2.0
R4	14.2	< 0.1	14.2	1.8	0.2	2.1
R5	8.6	< 0.1	8.6	1.5	0.7	2.2
R6	12.8	< 0.1	12.8	2.2	< 0.1	2.2
R7	5.8	< 0.1	5.8	1.5	1.5	3.0
R8	6.3	< 0.1	6.3	1.2	0.7	1.9
R9	6.1	< 0.1	6.1	1.4	< 0.1	1.4
R10	8.3	< 0.1	8.3	2.0	0.2	2.2
R11	6.5	< 0.1	6.5	1.6	< 0.1	1.6
R12	11.6	2.9	14.5	2.1	0.4	2.5
R13	12.1	2.9	14.9	1.3	0.4	1.6
R14	15.0	2.9	17.9	1.4	4.6	6.1
R15	7.3	< 0.1	7.3	1.1	8.2	9.3
R16	1.6	< 0.1	1.6	0.3	0.1	0.5
R17	1.5	< 0.1	1.5	0.3	1.1	1.3
R18	1.4	< 0.1	1.4	0.3	1.1	1.3
R19	1.7	< 0.1	1.7	0.6	0.2	0.8
R20	1.6	< 0.1	1.6	0.7	< 0.1	0.7
R21	1.6	< 0.1	1.6	0.6	< 0.1	0.6
R22	1.2	< 0.1	1.2	0.4	0.8	1.3
R23	1.3	< 0.1	1.3	0.4	0.2	0.7
R24	1.2	< 0.1	1.2	0.4	0.2	0.6
R25	1.2	< 0.1	1.2	0.3	0.2	0.6
R26	1.0	1.4	2.4	0.2	2.5	2.7
R27	0.9	2.9	3.7	0.1	0.6	0.7
R28	1.4	< 0.1	1.4	0.5	0.8	1.4
R29	1.6	< 0.1	1.6	0.5	< 0.1	0.5
R30	1.6	< 0.1	1.6	0.5	< 0.1	0.5

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	1.9	< 0.1	1.9	0.5	< 0.1	0.5
R32	1.5	1.4	3.0	0.3	< 0.1	0.3
R33	1.2	< 0.1	1.2	0.3	0.2	0.5
R34	1.2	< 0.1	1.2	0.3	0.2	0.5
R35	1.2	2.9	4.1	0.3	0.1	0.4
R36	1.4	< 0.1	1.4	0.3	1.1	1.3
R37	1.4	< 0.1	1.4	0.3	1.1	1.3
R38	3.5	2.9	6.4	0.8	0.2	1.0
R39	2.0	< 0.1	2.0	0.4	1.0	1.3
R40	8.3	< 0.1	8.3	0.9	0.6	1.4
R41	6.6	< 0.1	6.6	2.0	< 0.1	2.0
R42	5.6	< 0.1	5.6	1.6	0.2	1.8
R43	3.5	< 0.1	3.5	1.3	< 0.1	1.3
R44	3.7	< 0.1	3.7	1.7	< 0.1	1.7
R45	3.5	< 0.1	3.5	1.5	< 0.1	1.5
R46	2.7	< 0.1	2.7	1.1	0.2	1.3
R47	3.5	2.9	6.4	1.0	< 0.1	1.0
R48	4.8	2.9	7.6	1.2	< 0.1	1.2
R49	5.4	< 0.1	5.4	1.0	0.7	1.7
R50	2.8	2.9	5.7	0.9	< 0.1	0.9
R51	2.3	< 0.1	2.3	0.7	0.2	0.9
R52	2.8	< 0.1	2.8	0.7	0.7	1.4
R53	2.0	< 0.1	2.0	0.7	0.2	0.9
R54	1.8	1.4	3.2	0.4	< 0.1	0.4
R55	1.9	2.9	4.8	0.7	0.2	0.9
R56	2.1	< 0.1	2.1	0.6	< 0.1	0.6
R57	1.8	2.9	4.6	0.4	< 0.1	0.4
R58	1.9	< 0.1	1.9	0.6	0.2	0.9
R59	2.3	< 0.1	2.3	0.5	< 0.1	0.5
R60	1.8	< 0.1	1.8	0.4	0.4	0.8
R61	2.0	1.4	3.4	0.7	0.4	1.0
R62	2.2	2.9	5.1	0.3	1.2	1.5
R63	2.5	< 0.1	2.5	0.5	0.6	1.1
R64	2.0	2.9	4.8	0.3	1.3	1.6
R65	1.7	< 0.1	1.7	0.4	< 0.1	0.4

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	1.9	< 0.1	1.9	0.4	0.1	0.5
R67	1.6	< 0.1	1.6	0.4	0.4	0.8
R68	1.6	2.9	4.5	0.2	0.6	0.8
R69	1.5	< 0.1	1.5	0.3	0.6	0.9
R70	1.9	2.9	4.8	0.4	0.6	1.0
R71	3.3	< 0.1	3.3	0.6	0.6	1.2
R72	4.2	< 0.1	4.2	0.8	8.2	9.0
R73	5.2	< 0.1	5.2	1.0	8.2	9.2
R74	2.3	2.9	5.1	0.7	< 0.1	0.7
R75	1.6	< 0.1	1.6	0.4	< 0.1	0.4
R76	1.7	< 0.1	1.7	0.5	< 0.1	0.5
R77	2.8	2.9	5.6	0.4	0.4	0.8
R78	2.7	< 0.1	2.7	0.8	0.4	1.2
R79	1.9	1.4	3.3	0.6	0.4	0.9
R80	1.3	< 0.1	1.3	0.2	5.8	6.0
R81	2.3	< 0.1	2.3	0.5	< 0.1	0.5
R82	2.1	< 0.1	2.1	0.7	< 0.1	0.7
R83	2.2	2.9	5.1	0.3	0.1	0.5
R84	1.9	< 0.1	1.9	0.3	0.5	0.8
R85	2.7	< 0.1	2.7	0.6	0.4	1.0
R86	2.7	< 0.1	2.7	0.6	0.4	1.0
R87	2.0	2.9	4.8	0.3	0.4	0.7
R88	2.1	2.9	5.0	0.3	1.3	1.6
R89	1.9	2.9	4.8	0.2	2.3	2.5
R90	1.3	< 0.1	1.3	0.2	1.3	1.5
R91	1.6	2.9	4.5	0.3	0.4	0.6
R92	1.6	2.9	4.5	0.2	1.3	1.6
R93	1.8	1.4	3.3	0.5	0.4	0.8
R94	2.1	< 0.1	2.1	0.5	0.4	0.9
R95	1.7	< 0.1	1.7	0.5	0.4	0.8
R96	2.0	2.9	4.9	0.6	< 0.1	0.6
R97	1.9	< 0.1	1.9	0.5	0.7	1.2
R98	1.4	2.9	4.3	0.7	< 0.1	0.7
R99	1.9	2.9	4.7	0.5	< 0.1	0.5
R100	1.5	1.4	2.9	0.3	< 0.1	0.3

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	1.5	2.9	4.4	0.5	< 0.1	0.5
R102	1.6	2.9	4.5	0.5	0.2	0.7
R103	1.3	< 0.1	1.3	0.4	0.2	0.6
R104	1.1	1.4	2.5	0.2	2.5	2.7
R105	0.9	< 0.1	0.9	0.1	0.7	0.8
R106	1.1	5.7	6.8	0.2	1.8	2.0
R107	1.2	< 0.1	1.2	0.2	1.0	1.2
R108	1.8	< 0.1	1.8	0.3	0.2	0.5
R109	1.6	< 0.1	1.6	0.3	< 0.1	0.3
R110	1.4	< 0.1	1.4	0.3	0.4	0.7
R111	1.3	< 0.1	1.3	0.2	< 0.1	0.2
R112	1.6	< 0.1	1.6	0.3	1.1	1.4
R113	1.5	< 0.1	1.5	0.3	< 0.1	0.3
R114	0.9	< 0.1	0.9	0.1	1.4	1.5
R115	1.1	2.9	4.0	0.2	0.6	0.8
R116	0.8	< 0.1	0.8	0.1	1.8	1.9
R117	1.0	2.9	3.8	0.1	0.6	0.7
R118	1.2	< 0.1	1.2	0.2	0.1	0.4
R119	1.5	< 0.1	1.5	0.3	0.4	0.6
R120	1.4	< 0.1	1.4	0.3	1.1	1.4
R121	1.3	2.9	4.2	0.4	1.5	1.9
R122	1.4	< 0.1	1.4	0.6	< 0.1	0.6
R123	1.4	< 0.1	1.4	0.5	0.5	1.0
R124	0.9	< 0.1	0.9	0.3	0.5	0.7
R125	1.2	< 0.1	1.2	0.5	1.5	2.1
R126	1.0	< 0.1	1.0	0.2	< 0.1	0.2
R127	2.3	< 0.1	2.3	0.8	< 0.1	0.8
R128	3.2	< 0.1	3.2	0.8	0.7	1.6

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	4.20E-08	2.84E-03	1.02E-03	7.13E-04	2.89E-04
R2	5.71E-08	3.86E-03	1.39E-03	9.70E-04	3.92E-04
R3	5.66E-08	3.83E-03	1.38E-03	9.61E-04	3.89E-04
R4	5.62E-08	3.80E-03	1.37E-03	9.54E-04	3.86E-04
R5	4.84E-08	3.27E-03	1.18E-03	8.22E-04	3.33E-04
R6	3.49E-08	2.36E-03	8.50E-04	5.92E-04	2.40E-04
R7	3.44E-08	2.33E-03	8.38E-04	5.85E-04	2.37E-04
R8	3.09E-08	2.09E-03	7.52E-04	5.24E-04	2.12E-04
R9	2.54E-08	1.72E-03	6.18E-04	4.31E-04	1.74E-04
R10	3.56E-08	2.41E-03	8.68E-04	6.05E-04	2.45E-04
R11	3.86E-08	2.61E-03	9.39E-04	6.55E-04	2.65E-04
R12	3.90E-08	2.64E-03	9.50E-04	6.63E-04	2.68E-04
R13	3.30E-08	2.23E-03	8.04E-04	5.61E-04	2.27E-04
R14	4.09E-08	2.76E-03	9.95E-04	6.94E-04	2.81E-04
R15	3.28E-08	2.22E-03	8.00E-04	5.58E-04	2.26E-04
R16	1.26E-08	8.49E-04	3.06E-04	2.13E-04	8.62E-05
R17	9.43E-09	6.38E-04	2.30E-04	1.60E-04	6.48E-05
R18	9.59E-09	6.48E-04	2.33E-04	1.63E-04	6.59E-05
R19	1.33E-08	9.02E-04	3.25E-04	2.26E-04	9.16E-05
R20	1.32E-08	8.96E-04	3.22E-04	2.25E-04	9.10E-05
R21	1.27E-08	8.58E-04	3.09E-04	2.16E-04	8.72E-05
R22	1.10E-08	7.47E-04	2.69E-04	1.87E-04	7.58E-05
R23	1.07E-08	7.24E-04	2.61E-04	1.82E-04	7.36E-05
R24	1.03E-08	6.97E-04	2.51E-04	1.75E-04	7.08E-05
R25	9.83E-09	6.65E-04	2.39E-04	1.67E-04	6.75E-05
R26	8.24E-09	5.57E-04	2.01E-04	1.40E-04	5.66E-05
R27	6.44E-09	4.35E-04	1.57E-04	1.09E-04	4.42E-05
R28	1.27E-08	8.59E-04	3.09E-04	2.16E-04	8.73E-05
R29	1.31E-08	8.86E-04	3.19E-04	2.22E-04	9.00E-05
R30	1.24E-08	8.37E-04	3.01E-04	2.10E-04	8.50E-05
R31	1.46E-08	9.89E-04	3.56E-04	2.48E-04	1.00E-04
R32	1.07E-08	7.22E-04	2.60E-04	1.81E-04	7.33E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	9.21E-09	6.23E-04	2.24E-04	1.56E-04	6.33E-05
R34	9.41E-09	6.36E-04	2.29E-04	1.60E-04	6.46E-05
R35	9.89E-09	6.69E-04	2.41E-04	1.68E-04	6.80E-05
R36	9.12E-09	6.16E-04	2.22E-04	1.55E-04	6.26E-05
R37	9.54E-09	6.45E-04	2.32E-04	1.62E-04	6.55E-05
R38	2.66E-08	1.80E-03	6.46E-04	4.51E-04	1.82E-04
R39	1.69E-08	1.14E-03	4.11E-04	2.87E-04	1.16E-04
R40	3.58E-08	2.42E-03	8.71E-04	6.08E-04	2.46E-04
R41	3.35E-08	2.27E-03	8.16E-04	5.69E-04	2.30E-04
R42	2.75E-08	1.86E-03	6.69E-04	4.66E-04	1.89E-04
R43	2.39E-08	1.62E-03	5.82E-04	4.06E-04	1.64E-04
R44	3.16E-08	2.14E-03	7.70E-04	5.37E-04	2.17E-04
R45	2.73E-08	1.85E-03	6.65E-04	4.64E-04	1.88E-04
R46	2.12E-08	1.43E-03	5.15E-04	3.59E-04	1.45E-04
R47	2.33E-08	1.57E-03	5.66E-04	3.95E-04	1.60E-04
R48	2.37E-08	1.60E-03	5.78E-04	4.03E-04	1.63E-04
R49	2.42E-08	1.63E-03	5.88E-04	4.10E-04	1.66E-04
R50	2.45E-08	1.66E-03	5.96E-04	4.16E-04	1.68E-04
R51	1.46E-08	9.85E-04	3.55E-04	2.47E-04	1.00E-04
R52	1.45E-08	9.83E-04	3.54E-04	2.47E-04	9.99E-05
R53	1.42E-08	9.61E-04	3.46E-04	2.41E-04	9.76E-05
R54	1.21E-08	8.15E-04	2.94E-04	2.05E-04	8.28E-05
R55	1.55E-08	1.05E-03	3.78E-04	2.64E-04	1.07E-04
R56	1.45E-08	9.83E-04	3.54E-04	2.47E-04	9.99E-05
R57	1.26E-08	8.53E-04	3.07E-04	2.14E-04	8.66E-05
R58	1.43E-08	9.64E-04	3.47E-04	2.42E-04	9.79E-05
R59	1.62E-08	1.09E-03	3.93E-04	2.74E-04	1.11E-04
R60	1.51E-08	1.02E-03	3.67E-04	2.56E-04	1.04E-04
R61	1.52E-08	1.03E-03	3.71E-04	2.59E-04	1.05E-04
R62	1.49E-08	1.01E-03	3.63E-04	2.53E-04	1.03E-04
R63	1.56E-08	1.05E-03	3.79E-04	2.64E-04	1.07E-04
R64	1.26E-08	8.51E-04	3.06E-04	2.14E-04	8.64E-05
R65	1.53E-08	1.03E-03	3.72E-04	2.59E-04	1.05E-04
R66	1.44E-08	9.77E-04	3.52E-04	2.45E-04	9.92E-05
R67	1.42E-08	9.61E-04	3.46E-04	2.41E-04	9.76E-05
R68	1.02E-08	6.87E-04	2.47E-04	1.73E-04	6.98E-05
R69	1.01E-08	6.86E-04	2.47E-04	1.72E-04	6.97E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	1.24E-08	8.36E-04	3.01E-04	2.10E-04	8.49E-05
R71	1.71E-08	1.16E-03	4.16E-04	2.90E-04	1.17E-04
R72	1.92E-08	1.30E-03	4.67E-04	3.25E-04	1.32E-04
R73	2.56E-08	1.73E-03	6.23E-04	4.35E-04	1.76E-04
R74	1.75E-08	1.19E-03	4.27E-04	2.98E-04	1.20E-04
R75	1.31E-08	8.85E-04	3.19E-04	2.22E-04	8.99E-05
R76	1.26E-08	8.50E-04	3.06E-04	2.13E-04	8.64E-05
R77	1.64E-08	1.11E-03	3.99E-04	2.78E-04	1.13E-04
R78	1.51E-08	1.02E-03	3.67E-04	2.56E-04	1.03E-04
R79	1.46E-08	9.90E-04	3.57E-04	2.49E-04	1.01E-04
R80	9.86E-09	6.66E-04	2.40E-04	1.67E-04	6.77E-05
R81	1.44E-08	9.76E-04	3.51E-04	2.45E-04	9.91E-05
R82	1.55E-08	1.05E-03	3.76E-04	2.62E-04	1.06E-04
R83	1.61E-08	1.09E-03	3.91E-04	2.73E-04	1.10E-04
R84	1.61E-08	1.09E-03	3.92E-04	2.74E-04	1.11E-04
R85	1.34E-08	9.03E-04	3.25E-04	2.27E-04	9.17E-05
R86	1.47E-08	9.94E-04	3.58E-04	2.50E-04	1.01E-04
R87	1.34E-08	9.07E-04	3.26E-04	2.28E-04	9.21E-05
R88	1.38E-08	9.33E-04	3.36E-04	2.34E-04	9.48E-05
R89	1.28E-08	8.64E-04	3.11E-04	2.17E-04	8.78E-05
R90	1.10E-08	7.41E-04	2.67E-04	1.86E-04	7.53E-05
R91	1.22E-08	8.23E-04	2.96E-04	2.07E-04	8.36E-05
R92	1.20E-08	8.14E-04	2.93E-04	2.04E-04	8.26E-05
R93	1.39E-08	9.39E-04	3.38E-04	2.36E-04	9.54E-05
R94	1.26E-08	8.50E-04	3.06E-04	2.13E-04	8.63E-05
R95	1.24E-08	8.39E-04	3.02E-04	2.11E-04	8.53E-05
R96	1.29E-08	8.72E-04	3.14E-04	2.19E-04	8.85E-05
R97	1.18E-08	8.00E-04	2.88E-04	2.01E-04	8.13E-05
R98	1.14E-08	7.72E-04	2.78E-04	1.94E-04	7.85E-05
R99	1.36E-08	9.22E-04	3.32E-04	2.31E-04	9.37E-05
R100	1.28E-08	8.62E-04	3.10E-04	2.16E-04	8.76E-05
R101	1.07E-08	7.25E-04	2.61E-04	1.82E-04	7.36E-05
R102	1.20E-08	8.09E-04	2.91E-04	2.03E-04	8.21E-05
R103	1.07E-08	7.24E-04	2.60E-04	1.82E-04	7.35E-05
R104	8.51E-09	5.75E-04	2.07E-04	1.44E-04	5.84E-05
R105	6.53E-09	4.42E-04	1.59E-04	1.11E-04	4.49E-05
R106	8.79E-09	5.94E-04	2.14E-04	1.49E-04	6.04E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	9.74E-09	6.58E-04	2.37E-04	1.65E-04	6.69E-05
R108	1.32E-08	8.92E-04	3.21E-04	2.24E-04	9.06E-05
R109	1.27E-08	8.57E-04	3.09E-04	2.15E-04	8.71E-05
R110	1.04E-08	7.01E-04	2.52E-04	1.76E-04	7.12E-05
R111	1.09E-08	7.39E-04	2.66E-04	1.86E-04	7.51E-05
R112	1.10E-08	7.44E-04	2.68E-04	1.87E-04	7.55E-05
R113	1.19E-08	8.02E-04	2.89E-04	2.01E-04	8.15E-05
R114	7.86E-09	5.31E-04	1.91E-04	1.33E-04	5.40E-05
R115	7.66E-09	5.18E-04	1.87E-04	1.30E-04	5.26E-05
R116	5.49E-09	3.71E-04	1.34E-04	9.31E-05	3.77E-05
R117	6.49E-09	4.39E-04	1.58E-04	1.10E-04	4.46E-05
R118	9.55E-09	6.46E-04	2.32E-04	1.62E-04	6.56E-05
R119	1.30E-08	8.79E-04	3.16E-04	2.21E-04	8.93E-05
R120	1.03E-08	6.94E-04	2.50E-04	1.74E-04	7.05E-05
R121	1.15E-08	7.74E-04	2.79E-04	1.94E-04	7.87E-05
R122	1.21E-08	8.19E-04	2.95E-04	2.06E-04	8.32E-05
R123	1.28E-08	8.63E-04	3.11E-04	2.17E-04	8.76E-05
R124	8.87E-09	5.99E-04	2.16E-04	1.50E-04	6.09E-05
R125	1.13E-08	7.64E-04	2.75E-04	1.92E-04	7.76E-05
R126	7.25E-09	4.90E-04	1.76E-04	1.23E-04	4.98E-05
R127	1.63E-08	1.10E-03	3.96E-04	2.76E-04	1.12E-04
R128	1.74E-08	1.17E-03	4.23E-04	2.95E-04	1.19E-04
Max. at boundary	6.42E-08	4.34E-03	–	–	4.41E-04

Nitrogen dioxide (NO₂)

Maximum 1-hour concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.
Criterion			164
R1	6 655.5	8.2	6 663.7
R2	7 406.9	12.3	7 419.2
R3	6 644.1	12.3	6 656.4
R4	7 532.5	12.3	7 544.8
R5	5 152.1	12.3	5 164.4
R6	7 680.1	12.3	7 692.4
R7	3 881.0	12.3	3 893.3
R8	4 415.0	12.3	4 427.3
R9	3 846.6	10.2	3 856.8
R10	4 844.7	10.2	4 855.0
R11	3 726.6	10.2	3 736.9
R12	5 698.9	8.2	5 707.1
R13	5 934.2	8.2	5 942.4
R14	7 089.8	4.1	7 093.9
R15	3 706.5	10.2	3 716.7
R16	2 312.7	6.1	2 318.9
R17	2 671.9	2.0	2 674.0
R18	2 604.9	2.0	2 606.9
R19	2 075.7	2.0	2 077.8
R20	2 127.2	2.0	2 129.2
R21	2 208.6	2.0	2 210.6
R22	1 879.8	8.2	1 888.0
R23	1 847.0	2.0	1 849.0
R24	1 748.6	2.0	1 750.7
R25	1 665.0	10.2	1 675.3
R26	1 511.4	10.2	1 521.7
R27	1 143.9	4.1	1 148.0
R28	1 898.0	8.2	1 906.2
R29	2 080.6	< 0.1	2 080.6
R30	2 258.8	2.0	2 260.8

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R31	1 841.3	10.2	1 851.5
R32	1 881.8	6.1	1 888.0
R33	1 626.0	8.2	1 634.2
R34	1 642.9	8.2	1 651.1
R35	1 648.3	2.0	1 650.3
R36	2 474.6	2.0	2 476.6
R37	2 507.7	2.0	2 509.8
R38	2 771.1	10.2	2 781.3
R39	1 764.6	28.7	1 793.3
R40	4 204.3	34.9	4 239.1
R41	4 305.1	12.3	4 317.4
R42	4 241.7	6.1	4 247.9
R43	2 950.7	10.2	2 961.0
R44	2 591.8	6.1	2 598.0
R45	2 620.6	12.3	2 632.9
R46	2 090.7	10.2	2 101.0
R47	2 424.0	8.2	2 432.2
R48	3 422.0	10.2	3 432.3
R49	4 314.3	12.3	4 326.6
R50	2 339.0	4.1	2 343.1
R51	2 068.2	< 0.1	2 068.2
R52	2 960.8	12.3	2 973.1
R53	2 126.7	2.0	2 128.8
R54	1 957.7	6.1	1 963.9
R55	2 209.5	2.0	2 211.6
R56	2 316.1	< 0.1	2 316.1
R57	1 775.3	8.2	1 783.5
R58	2 021.6	6.1	2 027.7
R59	2 399.2	6.1	2 405.3
R60	2 055.6	6.1	2 061.8
R61	1 903.7	12.3	1 916.0
R62	2 204.6	10.2	2 214.8
R63	2 111.1	6.1	2 117.3
R64	1 541.4	9.2	1 550.6
R65	2 267.1	2.0	2 269.2

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R66	2 346.0	4.1	2 350.1
R67	1 795.3	2.0	1 797.3
R68	1 328.5	4.1	1 332.6
R69	1 472.1	6.1	1 478.3
R70	1 757.8	4.1	1 761.9
R71	1 850.3	10.2	1 860.6
R72	2 864.3	10.2	2 874.5
R73	3 326.3	10.2	3 336.6
R74	1 996.4	12.3	2 008.7
R75	1 876.6	2.0	1 878.6
R76	1 844.7	< 0.1	1 844.7
R77	2 472.9	4.1	2 477.0
R78	2 527.2	4.1	2 531.3
R79	1 911.9	12.3	1 924.2
R80	1 649.1	10.2	1 659.4
R81	2 352.3	6.1	2 358.5
R82	2 219.5	16.4	2 235.9
R83	2 683.8	22.6	2 706.3
R84	2 122.8	6.1	2 128.9
R85	2 737.9	4.1	2 742.0
R86	2 606.1	4.1	2 610.2
R87	2 138.5	10.2	2 148.7
R88	1 886.0	12.3	1 898.3
R89	1 801.7	12.3	1 814.0
R90	1 602.5	8.2	1 610.7
R91	2 015.1	10.2	2 025.3
R92	1 763.7	8.2	1 771.9
R93	1 959.1	12.3	1 971.4
R94	2 287.7	4.1	2 291.8
R95	1 956.3	4.1	1 960.4
R96	2 317.9	8.2	2 326.1
R97	2 324.8	12.3	2 337.1
R98	1 757.6	8.2	1 765.8
R99	2 397.1	10.2	2 407.4
R100	1 763.1	6.1	1 769.3

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R101	1 963.0	8.2	1 971.2
R102	1 941.0	4.1	1 945.1
R103	1 840.4	2.0	1 842.4
R104	1 558.8	6.1	1 564.9
R105	1 139.3	4.1	1 143.4
R106	1 473.1	10.2	1 483.3
R107	1 563.8	6.1	1 569.9
R108	2 324.2	2.0	2 326.3
R109	2 277.7	2.0	2 279.7
R110	2 048.8	< 0.1	2 048.8
R111	1 848.1	2.0	1 850.1
R112	2 282.9	2.0	2 284.9
R113	2 409.8	2.0	2 411.9
R114	1 425.7	4.1	1 429.8
R115	1 728.6	6.1	1 734.7
R116	1 231.6	10.2	1 241.9
R117	1 551.3	6.1	1 557.4
R118	1 976.3	6.1	1 982.4
R119	1 738.5	2.0	1 740.6
R120	2 497.6	2.0	2 499.7
R121	1 742.6	12.3	1 754.9
R122	1 836.8	10.2	1 847.1
R123	2 026.6	< 0.1	2 026.6
R124	1 564.6	< 0.1	1 564.6
R125	1 845.7	< 0.1	1 845.7
R126	1 877.9	< 0.1	1 877.9
R127	2 244.5	2.0	2 246.5
R128	3 037.3	12.3	3 049.6

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	54 491.8	29/04/2021 07:00	5 449.2	0.34	< 0.1	0.635	0.1	0.02	6 655.5	8.2	6 663.7
R2	63 099.6	02/10/2021 06:00	6 310.0	0.62	< 0.1	0.635	0.1	0.02	7 406.9	12.3	7 419.2
R3	54 972.7	02/10/2021 06:00	5 497.3	0.62	< 0.1	0.635	0.1	0.02	6 644.1	12.3	6 656.4
R4	63 804.7	02/10/2021 06:00	6 380.5	0.62	< 0.1	0.635	0.1	0.02	7 532.5	12.3	7 544.8
R5	38 681.8	02/10/2021 06:00	3 868.2	0.62	< 0.1	0.635	0.1	0.04	5 152.1	12.3	5 164.4
R6	57 323.2	02/10/2021 06:00	5 732.3	0.62	< 0.1	0.635	0.1	0.04	7 680.1	12.3	7 692.4
R7	25 878.3	02/10/2021 06:00	2 587.8	0.62	< 0.1	0.635	0.1	0.06	3 881.0	12.3	3 893.3
R8	28 108.7	25/09/2021 06:00	2 810.9	0.53	4.36	0.635	0.1	0.06	4 415.0	12.3	4 427.3
R9	27 481.6	27/09/2021 06:00	2 748.2	0.16	1.09	0.635	0.1	0.04	3 846.6	10.2	3 856.8
R10	37 059.7	27/09/2021 06:00	3 706.0	0.16	1.09	0.635	0.1	0.03	4 844.7	10.2	4 855.0
R11	29 038.0	27/09/2021 06:00	2 903.8	0.16	1.09	0.635	0.1	0.03	3 726.6	10.2	3 736.9
R12	52 145.9	19/08/2021 07:00	5 214.6	0.16	4.36	0.49	0.05	0.01	5 698.9	8.2	5 707.1
R13	54 052.9	19/08/2021 07:00	5 405.3	0.16	4.36	0.49	0.05	0.01	5 934.2	8.2	5 942.4
R14	67 268.7	20/08/2021 07:00	6 726.9	< 0.1	1.09	0.49	0.05	0.01	7 089.8	4.1	7 093.9
R15	32 809.0	16/06/2021 08:00	3 280.9	0.19	< 0.1	0.49	0.05	0.01	3 706.5	10.2	3 716.7
R16	7 039.9	12/11/2021 18:00	704.0	1.86	29.43	0.74	0.1	0.25	2 312.7	6.1	2 318.9
R17	6 515.4	15/11/2021 04:00	651.5	2.57	22.89	0.74	0.1	0.34	2 671.9	2.0	2 674.0
R18	6 403.8	15/11/2021 04:00	640.4	2.57	22.89	0.74	0.1	0.34	2 604.9	2.0	2 606.9
R19	7 173.0	21/09/2021 17:00	717.3	2.19	32.70	0.8	0.1	0.21	2 075.7	2.0	2 077.8
R20	7 299.1	14/09/2021 06:00	729.9	2.12	25.07	0.74	0.1	0.21	2 127.2	2.0	2 129.2
R21	7 318.3	14/09/2021 06:00	731.8	2.12	25.07	0.74	0.1	0.22	2 208.6	2.0	2 210.6
R22	5 598.6	20/05/2021 17:00	559.9	1.16	22.89	0.74	0.1	0.26	1 879.8	8.2	1 888.0
R23	5 305.6	21/09/2021 17:00	530.6	2.19	32.70	0.8	0.1	0.28	1 847.0	2.0	1 849.0
R24	5 568.9	13/02/2021 19:00	556.9	2.03	13.08	0.67	0.1	0.24	1 748.6	2.0	1 750.7
R25	4 919.6	22/12/2021 01:00	492.0	1.13	37.61	0.74	0.1	0.26	1 665.0	10.2	1 675.3
R26	4 370.4	22/12/2021 00:00	437.0	1.77	37.61	0.74	0.1	0.27	1 511.4	10.2	1 521.7
R27	3 895.4	28/07/2021 19:00	389.5	3.25	28.34	0.83	0.07	0.22	1 143.9	4.1	1 148.0
R28	6 174.0	20/05/2021 17:00	617.4	1.16	22.89	0.74	0.1	0.23	1 898.0	8.2	1 906.2
R29	7 355.9	14/03/2021 17:00	735.6	1.83	15.26	0.635	0.1	0.20	2 080.6	< 0.1	2 080.6
R30	7 176.9	14/09/2021 06:00	717.7	2.12	25.07	0.74	0.1	0.24	2 258.8	2.0	2 260.8
R31	8 394.3	21/12/2021 23:00	839.4	2.45	37.61	0.74	0.1	0.13	1 841.3	10.2	1 851.5
R32	6 893.5	02/02/2021 18:00	689.4	2.02	18.53	0.67	0.1	0.19	1 881.8	6.1	1 888.0

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	5 171.5	24/05/2021 01:00	517.2	0.90	5.45	0.635	0.1	0.24	1 626.0	8.2	1 634.2
R34	5 247.1	24/05/2021 01:00	524.7	0.90	5.45	0.635	0.1	0.24	1 642.9	8.2	1 651.1
R35	4 883.9	21/11/2021 05:00	488.4	1.53	20.71	0.74	0.1	0.26	1 648.3	2.0	1 650.3
R36	6 260.4	15/11/2021 04:00	626.0	2.57	22.89	0.74	0.1	0.33	2 474.6	2.0	2 476.6
R37	6 254.9	15/11/2021 04:00	625.5	2.57	22.89	0.74	0.1	0.33	2 507.7	2.0	2 509.8
R38	15 905.1	09/09/2021 07:00	1 590.5	0.36	< 0.1	0.635	0.1	0.08	2 771.1	10.2	2 781.3
R39	9 177.3	10/09/2021 03:00	917.7	2.44	17.44	0.635	0.1	0.10	1 764.6	28.7	1 793.3
R40	36 988.9	16/08/2021 07:00	3 698.9	0.22	1.09	0.49	0.05	0.02	4 204.3	34.9	4 239.1
R41	29 751.3	02/10/2021 06:00	2 975.1	0.62	< 0.1	0.635	0.1	0.05	4 305.1	12.3	4 317.4
R42	25 152.1	03/10/2021 06:00	2 515.2	0.13	< 0.1	0.635	0.1	0.08	4 241.7	6.1	4 247.9
R43	15 630.6	14/05/2021 07:00	1 563.1	0.61	< 0.1	0.635	0.1	0.10	2 950.7	10.2	2 961.0
R44	15 248.2	17/10/2021 17:00	1 524.8	2.47	43.60	0.85	0.1	0.08	2 591.8	6.1	2 598.0
R45	15 792.8	10/02/2021 18:00	1 579.3	2.15	15.26	0.67	0.1	0.07	2 620.6	12.3	2 632.9
R46	12 000.9	21/12/2021 23:00	1 200.1	2.45	37.61	0.74	0.1	0.08	2 090.7	10.2	2 101.0
R47	15 910.3	29/04/2021 07:00	1 591.0	0.34	< 0.1	0.635	0.1	0.06	2 424.0	8.2	2 432.2
R48	21 220.7	20/12/2021 05:00	2 122.1	0.77	37.61	0.74	0.1	0.07	3 422.0	10.2	3 432.3
R49	24 229.1	25/09/2021 06:00	2 422.9	0.53	4.36	0.635	0.1	0.09	4 314.3	12.3	4 326.6
R50	12 684.4	26/02/2021 06:00	1 268.4	0.56	< 0.1	0.67	0.1	0.09	2 339.0	4.1	2 343.1
R51	10 208.5	02/01/2021 05:00	1 020.8	1.04	6.54	0.67	0.1	0.11	2 068.2	< 0.1	2 068.2
R52	12 436.1	25/09/2021 06:00	1 243.6	0.53	4.36	0.635	0.1	0.15	2 960.8	12.3	2 973.1
R53	8 504.6	21/09/2021 17:00	850.5	2.19	32.70	0.8	0.1	0.17	2 126.7	2.0	2 128.8
R54	8 128.1	02/02/2021 18:00	812.8	2.02	18.53	0.67	0.1	0.16	1 957.7	6.1	1 963.9
R55	8 253.7	21/09/2021 17:00	825.4	2.19	32.70	0.8	0.1	0.19	2 209.5	2.0	2 211.6
R56	9 450.7	14/03/2021 17:00	945.1	1.83	15.26	0.635	0.1	0.16	2 316.1	< 0.1	2 316.1
R57	7 994.8	17/02/2021 06:00	799.5	1.15	3.27	0.67	0.1	0.14	1 775.3	8.2	1 783.5
R58	8 408.6	30/03/2021 17:00	840.9	2.34	23.98	0.74	0.1	0.16	2 021.6	6.1	2 027.7
R59	10 501.3	16/11/2021 18:00	1 050.1	2.27	27.25	0.74	0.1	0.14	2 399.2	6.1	2 405.3
R60	6 829.1	18/01/2021 18:00	682.9	2.27	49.05	0.81	0.15	0.22	2 055.6	6.1	2 061.8
R61	9 006.5	03/02/2021 18:00	900.6	2.28	19.62	0.67	0.1	0.12	1 903.7	12.3	1 916.0
R62	9 986.9	18/12/2021 05:00	998.7	1.03	37.61	0.74	0.1	0.13	2 204.6	10.2	2 214.8
R63	11 355.6	09/04/2021 07:00	1 135.6	0.45	< 0.1	0.635	0.1	0.10	2 111.1	6.1	2 117.3
R64	6 018.8	15/12/2021 22:00	601.9	0.56	37.61	0.74	0.1	0.17	1 541.4	9.2	1 550.6
R65	7 503.8	15/11/2021 04:00	750.4	2.57	22.89	0.74	0.1	0.22	2 267.1	2.0	2 269.2
R66	8 012.0	15/10/2021 18:00	801.2	2.97	26.16	0.74	0.1	0.21	2 346.0	4.1	2 350.1
R67	7 107.7	17/07/2021 04:00	710.8	2.95	31.61	0.87	0.07	0.17	1 795.3	2.0	1 797.3
R68	5 977.4	28/07/2021 19:00	597.7	3.25	28.34	0.83	0.07	0.14	1 328.5	4.1	1 332.6

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	6 538.5	09/04/2021 07:00	653.9	0.45	< 0.1	0.635	0.1	0.14	1 472.1	6.1	1 478.3
R70	8 731.9	14/04/2021 07:00	873.2	< 0.1	< 0.1	0.635	0.1	0.11	1 757.8	4.1	1 761.9
R71	14 845.5	16/06/2021 08:00	1 484.6	0.19	< 0.1	0.49	0.05	0.03	1 850.3	10.2	1 860.6
R72	16 415.7	12/02/2021 06:00	1 641.6	0.23	< 0.1	0.67	0.1	0.08	2 864.3	10.2	2 874.5
R73	21 307.7	12/02/2021 06:00	2 130.8	0.23	< 0.1	0.67	0.1	0.06	3 326.3	10.2	3 336.6
R74	9 986.9	04/08/2021 07:00	998.7	1.88	25.07	0.83	0.07	0.11	1 996.4	12.3	2 008.7
R75	6 535.9	13/11/2021 22:00	653.6	2.01	20.71	0.74	0.1	0.21	1 876.6	2.0	1 878.6
R76	5 971.1	05/10/2021 20:00	597.1	2.56	31.61	0.8	0.1	0.23	1 844.7	< 0.1	1 844.7
R77	12 438.5	01/05/2021 07:00	1 243.8	0.18	< 0.1	0.635	0.1	0.11	2 472.9	4.1	2 477.0
R78	12 286.7	03/01/2021 06:00	1 228.7	< 0.1	2.18	0.67	0.1	0.12	2 527.2	4.1	2 531.3
R79	8 599.5	03/02/2021 18:00	859.9	2.28	19.62	0.67	0.1	0.14	1 911.9	12.3	1 924.2
R80	5 802.7	19/12/2021 05:00	580.3	0.64	37.61	0.74	0.1	0.20	1 649.1	10.2	1 659.4
R81	10 185.8	19/02/2021 18:00	1 018.6	2.10	14.17	0.67	0.1	0.15	2 352.3	6.1	2 358.5
R82	9 630.7	14/12/2021 18:00	963.1	1.85	22.35	0.67	0.1	0.14	2 219.5	16.4	2 235.9
R83	10 015.8	01/09/2021 17:00	1 001.6	1.60	33.79	0.8	0.1	0.19	2 683.8	22.6	2 706.3
R84	8 572.6	16/11/2021 18:00	857.3	2.27	27.25	0.74	0.1	0.16	2 122.8	6.1	2 128.9
R85	12 137.0	03/01/2021 06:00	1 213.7	< 0.1	2.18	0.67	0.1	0.14	2 737.9	4.1	2 742.0
R86	11 990.3	03/01/2021 06:00	1 199.0	< 0.1	2.18	0.67	0.1	0.13	2 606.1	4.1	2 610.2
R87	6 526.3	02/12/2021 18:00	652.6	1.73	42.51	0.81	0.15	0.25	2 138.5	10.2	2 148.7
R88	4 566.5	12/01/2021 18:00	456.7	2.08	65.40	0.88	0.2	0.35	1 886.0	12.3	1 898.3
R89	4 158.3	12/01/2021 18:00	415.8	2.08	65.40	0.88	0.2	0.37	1 801.7	12.3	1 814.0
R90	5 272.6	08/10/2021 17:00	527.3	2.19	38.15	0.8	0.1	0.23	1 602.5	8.2	1 610.7
R91	5 736.4	02/12/2021 18:00	573.6	1.73	42.51	0.81	0.15	0.28	2 015.1	10.2	2 025.3
R92	6 143.2	08/10/2021 17:00	614.3	2.19	38.15	0.8	0.1	0.21	1 763.7	8.2	1 771.9
R93	8 159.8	03/02/2021 18:00	816.0	2.28	19.62	0.67	0.1	0.16	1 959.1	12.3	1 971.4
R94	9 250.4	03/01/2021 06:00	925.0	< 0.1	2.18	0.67	0.1	0.16	2 287.7	4.1	2 291.8
R95	7 466.2	03/01/2021 06:00	746.6	< 0.1	2.18	0.67	0.1	0.18	1 956.3	4.1	1 960.4
R96	8 934.9	02/03/2021 06:00	893.5	0.83	2.18	0.635	0.1	0.18	2 317.9	8.2	2 326.1
R97	8 646.9	25/09/2021 06:00	864.7	0.53	4.36	0.635	0.1	0.19	2 324.8	12.3	2 337.1
R98	6 338.4	02/03/2021 06:00	633.8	0.83	2.18	0.635	0.1	0.20	1 757.6	8.2	1 765.8
R99	8 472.7	16/12/2021 05:00	847.3	1.29	37.61	0.74	0.1	0.20	2 397.1	10.2	2 407.4
R100	6 803.1	02/02/2021 18:00	680.3	2.02	18.53	0.67	0.1	0.18	1 763.1	6.1	1 769.3
R101	6 806.2	02/03/2021 06:00	680.6	0.83	2.18	0.635	0.1	0.21	1 963.0	8.2	1 971.2
R102	7 241.9	10/03/2021 06:00	724.2	0.99	7.63	0.635	0.1	0.19	1 941.0	4.1	1 945.1
R103	5 512.0	21/09/2021 17:00	551.2	2.19	32.70	0.8	0.1	0.26	1 840.4	2.0	1 842.4
R104	4 945.0	02/02/2021 18:00	494.5	2.02	18.53	0.67	0.1	0.24	1 558.8	6.1	1 564.9

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	4 181.0	18/10/2021 06:00	418.1	0.40	1.09	0.635	0.1	0.19	1 139.3	4.1	1 143.4
R106	4 925.5	19/12/2021 20:00	492.5	2.07	37.61	0.74	0.1	0.22	1 473.1	10.2	1 483.3
R107	5 149.0	09/09/2021 20:00	514.9	2.59	38.15	0.8	0.1	0.23	1 563.8	6.1	1 569.9
R108	7 306.3	12/11/2021 19:00	730.6	2.25	27.25	0.74	0.1	0.24	2 324.2	2.0	2 326.3
R109	7 016.1	13/11/2021 22:00	701.6	2.01	20.71	0.74	0.1	0.25	2 277.7	2.0	2 279.7
R110	6 159.0	25/07/2021 17:00	615.9	3.06	32.70	0.87	0.07	0.26	2 048.8	< 0.1	2 048.8
R111	5 915.2	13/11/2021 01:00	591.5	3.42	21.80	0.74	0.1	0.24	1 848.1	2.0	1 850.1
R112	6 694.8	15/11/2021 03:00	669.5	2.50	22.89	0.74	0.1	0.27	2 282.9	2.0	2 284.9
R113	6 455.6	19/09/2021 18:00	645.6	2.00	32.70	0.8	0.1	0.30	2 409.8	2.0	2 411.9
R114	3 991.2	25/03/2021 00:00	399.1	1.07	20.71	0.74	0.1	0.29	1 425.7	4.1	1 429.8
R115	4 957.8	09/09/2021 22:00	495.8	0.59	34.88	0.8	0.1	0.28	1 728.6	6.1	1 734.7
R116	3 605.9	19/12/2021 20:00	360.6	2.07	37.61	0.74	0.1	0.27	1 231.6	10.2	1 241.9
R117	3 867.6	09/09/2021 22:00	386.8	0.59	34.88	0.8	0.1	0.33	1 551.3	6.1	1 557.4
R118	5 129.6	12/11/2021 18:00	513.0	1.86	29.43	0.74	0.1	0.32	1 976.3	6.1	1 982.4
R119	6 402.1	13/11/2021 01:00	640.2	3.42	21.80	0.74	0.1	0.19	1 738.5	2.0	1 740.6
R120	6 447.5	15/11/2021 04:00	644.8	2.57	22.89	0.74	0.1	0.32	2 497.6	2.0	2 499.7
R121	6 038.7	15/04/2021 07:00	603.9	0.12	< 0.1	0.635	0.1	0.21	1 742.6	12.3	1 754.9
R122	6 211.2	14/05/2021 07:00	621.1	0.61	< 0.1	0.635	0.1	0.22	1 836.8	10.2	1 847.1
R123	5 747.8	15/05/2021 18:00	574.8	2.38	27.25	0.74	0.1	0.28	2 026.6	< 0.1	2 026.6
R124	4 033.9	05/10/2021 18:00	403.4	3.80	32.70	0.8	0.1	0.32	1 564.6	< 0.1	1 564.6
R125	5 154.2	15/05/2021 21:00	515.4	1.71	26.16	0.74	0.1	0.29	1 845.7	< 0.1	1 845.7
R126	4 466.7	05/10/2021 20:00	446.7	2.56	31.61	0.8	0.1	0.36	1 877.9	< 0.1	1 877.9
R127	9 897.4	14/09/2021 06:00	989.7	2.12	25.07	0.74	0.1	0.14	2 244.5	2.0	2 246.5
R128	14 570.4	25/09/2021 06:00	1 457.0	0.53	4.36	0.635	0.1	0.12	3 037.3	12.3	3 049.6

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R6				Highest cumulative PM ₁₀ impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/08/2021	251.8	7.8	259.6	05/08/2021	251.8	7.8	259.6
14/05/2021	245.3	9.5	254.8	14/05/2021	245.3	9.5	254.8
27/05/2021	242.5	9.3	251.8	27/05/2021	242.5	9.3	251.8
25/08/2021	223.8	5.4	229.2	25/08/2021	223.8	5.4	229.2
18/07/2021	220.8	5.7	226.5	18/07/2021	220.8	5.7	226.5
05/07/2021	213.7	10.9	224.6	05/07/2021	213.7	10.9	224.6
06/08/2021	200.0	15.4	215.4	06/08/2021	200.0	15.4	215.4
04/06/2021	192.8	8.8	201.6	23/04/2021	179.3	29.9	209.2
23/04/2021	179.3	29.9	209.2	04/06/2021	192.8	8.8	201.6
16/01/2021	172.3	25.0	197.3	16/01/2021	172.3	25.0	197.3

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/03/2021	225.8	5.9	231.7	05/10/2021	219.7	14.0	233.7
21/03/2021	192.1	12.3	204.4	04/08/2021	182.2	5.6	187.8
19/02/2021	186.4	13.4	199.8	16/10/2021	160.4	7.1	167.5
29/01/2021	168.7	8.2	176.9	18/07/2021	151.7	5.7	157.4
02/11/2021	155.2	19.1	174.3	26/06/2021	133.5	10.0	143.5
10/03/2021	152.3	21.1	173.4	14/05/2021	128.3	9.5	137.8
20/02/2021	146.8	11.4	158.2	15/11/2021	127.6	9.9	137.5
02/12/2021	133.5	15.0	148.5	16/05/2021	129.0	7.9	136.9
10/02/2021	132.3	23.8	156.1	03/10/2021	124.2	7.7	131.9
24/12/2021	122.2	13.5	135.7	02/10/2021	122.9	8.0	130.9

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	222.5	11.1	233.6	27/01/2021	222.5	11.1	233.6
28/12/2021	207.0	10.1	217.1	28/12/2021	207.0	10.1	217.1
27/12/2021	203.8	11.2	215.0	08/01/2021	201.4	13.7	215.1
08/01/2021	201.4	13.7	215.1	27/12/2021	203.8	11.2	215.0
21/11/2021	199.9	6.6	206.5	17/02/2021	197.7	14.1	211.8
17/02/2021	197.7	14.1	211.8	22/11/2021	192.8	18.0	210.8
26/12/2021	195.6	14.9	210.5	16/12/2021	190.8	20.0	210.8
26/11/2021	194.0	6.4	200.4	26/12/2021	195.6	14.9	210.5
22/11/2021	192.8	18.0	210.8	21/11/2021	199.9	6.6	206.5
07/01/2021	191.2	11.0	202.2	19/01/2021	176.0	30.0	206.0

Highest incremental PM ₁₀ impact – Receptor R41				Highest cumulative PM ₁₀ impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/10/2021	219.7	14.0	233.7	22/03/2021	225.8	5.9	231.7
04/08/2021	182.2	5.6	187.8	21/03/2021	192.1	12.3	204.4
16/10/2021	160.4	7.1	167.5	19/02/2021	186.4	13.4	199.8
18/07/2021	151.7	5.7	157.4	29/01/2021	168.7	8.2	176.9
26/06/2021	133.5	10.0	143.5	02/11/2021	155.2	19.1	174.3
16/05/2021	129.0	7.9	136.9	10/03/2021	152.3	21.1	173.4
14/05/2021	128.3	9.5	137.8	20/02/2021	146.8	11.4	158.2
15/11/2021	127.6	9.9	137.5	10/02/2021	132.3	23.8	156.1
03/10/2021	124.2	7.7	131.9	02/12/2021	133.5	15.0	148.5
02/10/2021	122.9	8.0	130.9	17/11/2021	120.5	21.5	142.0

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	213.5	13.8	227.3	19/03/2021	213.5	13.8	227.3
18/03/2021	204.5	9.1	213.6	17/03/2021	201.0	13.5	214.5
17/03/2021	201.0	13.5	214.5	18/03/2021	204.5	9.1	213.6
11/11/2021	184.3	14.5	198.8	11/11/2021	184.3	14.5	198.8
28/01/2021	182.8	16.0	198.8	28/01/2021	182.8	16.0	198.8
17/02/2021	170.4	14.1	184.5	17/02/2021	170.4	14.1	184.5
09/02/2021	163.1	19.8	182.9	09/02/2021	163.1	19.8	182.9
20/03/2021	159.5	9.9	169.4	20/03/2021	159.5	9.9	169.4
22/12/2021	151.4	15.1	166.6	22/12/2021	151.4	15.1	166.6
18/02/2021	143.0	13.9	156.9	06/03/2021	140.4	25.7	166.1

Highest incremental PM ₁₀ impact – Receptor R4				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	205.1	11.1	216.2	27/01/2021	205.1	11.1	216.2
05/08/2021	195.2	7.8	203.0	17/08/2021	188.7	19.9	208.6
27/05/2021	193.1	9.3	202.4	27/11/2021	190.0	16.4	206.4
27/11/2021	190.0	16.4	206.4	05/08/2021	195.2	7.8	203.0
17/08/2021	188.7	19.9	208.6	27/05/2021	193.1	9.3	202.4
25/08/2021	183.2	5.4	188.6	15/02/2021	183.0	12.6	195.6
26/11/2021	183.1	6.4	189.5	28/05/2021	176.9	14.3	191.2
15/02/2021	183.0	12.6	195.6	26/11/2021	183.1	6.4	189.5
28/05/2021	176.9	14.3	191.2	25/08/2021	183.2	5.4	188.6
11/12/2021	176.8	8.1	184.9	25/09/2021	158.3	27.9	186.2

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	203.0	11.1	214.1	27/01/2021	203.0	11.1	214.1
27/05/2021	192.1	9.3	201.4	17/08/2021	187.1	19.9	207.0
05/08/2021	192.0	7.8	199.8	27/05/2021	192.1	9.3	201.4
17/08/2021	187.1	19.9	207.0	05/08/2021	192.0	7.8	199.8
25/08/2021	180.9	5.4	186.3	25/09/2021	162.1	27.9	190.0
28/05/2021	170.8	14.3	185.1	25/08/2021	180.9	5.4	186.3
15/02/2021	170.4	12.6	183.0	28/05/2021	170.8	14.3	185.1
11/12/2021	170.1	8.1	178.2	05/03/2021	151.0	32.7	183.7
05/07/2021	169.3	10.9	180.2	15/02/2021	170.4	12.6	183.0
21/11/2021	169.0	6.6	175.6	06/09/2021	168.6	13.5	182.1

Highest incremental PM ₁₀ impact – Receptor R3				Highest cumulative PM ₁₀ impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	194.8	11.1	205.9	27/01/2021	194.8	11.1	205.9
11/12/2021	180.8	8.1	188.9	27/11/2021	178.1	16.4	194.5
27/11/2021	178.1	16.4	194.5	17/08/2021	171.7	19.9	191.6
15/02/2021	177.0	12.6	189.6	15/02/2021	177.0	12.6	189.6
28/05/2021	174.1	14.3	188.4	11/12/2021	180.8	8.1	188.9
17/08/2021	171.7	19.9	191.6	28/05/2021	174.1	14.3	188.4
14/03/2021	171.0	7.4	178.4	13/09/2021	169.3	14.8	184.1
29/05/2021	170.3	9.3	179.6	21/09/2021	168.2	13.5	181.7
13/09/2021	169.3	14.8	184.1	29/05/2021	170.3	9.3	179.6
26/11/2021	168.6	6.4	175.0	14/03/2021	171.0	7.4	178.4

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
11/11/2021	189.8	14.5	204.3	11/11/2021	189.8	14.5	204.3
17/03/2021	178.2	13.5	191.7	17/03/2021	178.2	13.5	191.7
21/03/2021	162.8	12.3	175.1	21/03/2021	162.8	12.3	175.1
20/03/2021	161.0	9.9	170.9	20/03/2021	161.0	9.9	170.9
18/03/2021	158.3	9.1	167.4	18/03/2021	158.3	9.1	167.4
18/02/2021	147.6	13.9	161.5	18/02/2021	147.6	13.9	161.5
12/10/2021	144.7	8.9	153.5	21/12/2021	141.1	15.9	157.0
21/12/2021	141.1	15.9	157.0	21/10/2021	138.0	16.5	154.5
21/10/2021	138.0	16.5	154.5	12/10/2021	144.7	8.9	153.5
21/02/2021	137.2	9.1	146.3	14/12/2021	130.8	21.6	152.4

Highest incremental PM ₁₀ impact – Receptor R44				Highest cumulative PM ₁₀ impact – Receptor R44			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	184.4	12.3	196.7	21/03/2021	184.4	12.3	196.7
19/02/2021	108.7	13.4	122.1	19/02/2021	108.7	13.4	122.1
09/11/2021	83.0	13.4	96.4	10/02/2021	72.8	23.8	96.6
10/03/2021	74.7	21.1	95.8	09/11/2021	83.0	13.4	96.4
28/02/2021	74.0	21.6	95.6	10/03/2021	74.7	21.1	95.8
29/01/2021	73.7	8.2	81.9	28/02/2021	74.0	21.6	95.6
10/02/2021	72.8	23.8	96.6	17/01/2021	65.8	25.5	91.3
06/04/2021	68.1	22.4	90.5	06/04/2021	68.1	22.4	90.5
24/12/2021	66.4	13.5	79.9	29/01/2021	73.7	8.2	81.9
17/01/2021	65.8	25.5	91.3	24/12/2021	66.4	13.5	79.9

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R6				Highest cumulative PM _{2.5} impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/08/2021	251.8	4.7	256.5	05/08/2021	251.8	4.7	256.5
14/05/2021	245.3	3.8	249.1	14/05/2021	245.3	3.8	249.1
27/05/2021	242.5	2.4	244.9	27/05/2021	242.5	2.4	244.9
25/08/2021	223.8	2.9	226.7	25/08/2021	223.8	2.9	226.7
18/07/2021	220.8	1.6	222.4	18/07/2021	220.8	1.6	222.4
05/07/2021	213.7	6.2	219.9	05/07/2021	213.7	6.2	219.9
06/08/2021	200.0	6.2	206.2	06/08/2021	200.0	6.2	206.2
04/06/2021	192.8	5.7	198.5	23/04/2021	179.3	19.5	198.8
23/04/2021	179.3	19.5	198.8	04/06/2021	192.8	5.7	198.5
16/01/2021	172.3	9.4	181.7	16/01/2021	172.3	9.4	181.7

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/03/2021	225.8	2.4	228.2	27/01/2021	222.5	7.0	229.5
21/03/2021	192.1	4.9	197.0	28/12/2021	207.0	1.2	208.2
19/02/2021	186.4	2.9	189.4	27/12/2021	203.8	2.0	205.8
29/01/2021	168.7	4.3	173.0	08/01/2021	201.4	2.8	204.2
02/11/2021	155.2	3.5	158.7	17/02/2021	197.7	4.8	202.5
10/03/2021	152.3	4.9	157.2	21/11/2021	199.9	1.9	201.8
20/02/2021	146.8	2.0	148.8	26/12/2021	195.6	5.8	201.4
02/12/2021	133.5	3.9	137.4	16/12/2021	190.8	6.6	197.4
10/02/2021	132.3	6.4	138.7	22/11/2021	192.8	4.4	197.2
24/12/2021	122.2	5.9	128.1	26/11/2021	194.0	1.9	195.9

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	222.5	7.0	229.5	22/03/2021	225.8	2.4	228.2
28/12/2021	207.0	1.2	208.2	21/03/2021	192.1	4.9	197.0
27/12/2021	203.8	2.0	205.8	19/02/2021	186.4	2.9	189.4
08/01/2021	201.4	2.8	204.2	29/01/2021	168.7	4.3	173.0
21/11/2021	199.9	1.9	201.8	02/11/2021	155.2	3.5	158.7
17/02/2021	197.7	4.8	202.5	10/03/2021	152.3	4.9	157.2
26/12/2021	195.6	5.8	201.4	20/02/2021	146.8	2.0	148.8
26/11/2021	194.0	1.9	195.9	10/02/2021	132.3	6.4	138.7
22/11/2021	192.8	4.4	197.2	02/12/2021	133.5	3.9	137.4
07/01/2021	191.2	2.7	193.9	24/12/2021	122.2	5.9	128.1

Highest incremental PM _{2.5} impact – Receptor R41				Highest cumulative PM _{2.5} impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/10/2021	219.7	3.8	223.5	05/10/2021	219.7	3.8	223.5
04/08/2021	182.2	1.8	184.0	04/08/2021	182.2	1.8	184.0
16/10/2021	160.4	1.9	162.3	16/10/2021	160.4	1.9	162.3
18/07/2021	151.7	1.6	153.3	18/07/2021	151.7	1.6	153.3
26/06/2021	133.5	5.8	139.3	26/06/2021	133.5	5.8	139.3
16/05/2021	129.0	3.1	132.1	14/05/2021	128.3	3.8	132.1
14/05/2021	128.3	3.8	132.1	16/05/2021	129.0	3.1	132.1
15/11/2021	127.6	2.4	130.0	15/11/2021	127.6	2.4	130.0
03/10/2021	124.2	3.8	128.0	03/10/2021	124.2	3.8	128.0
02/10/2021	122.9	2.9	125.8	02/10/2021	122.9	2.9	125.8

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	213.5	2.9	216.4	19/03/2021	213.5	2.9	216.4
18/03/2021	204.5	2.5	207.0	18/03/2021	204.5	2.5	207.0
17/03/2021	201.0	3.3	204.3	17/03/2021	201.0	3.3	204.3
11/11/2021	184.3	3.6	187.9	28/01/2021	182.8	8.3	191.1
28/01/2021	182.8	8.3	191.1	11/11/2021	184.3	3.6	187.9
17/02/2021	170.4	4.8	175.2	17/02/2021	170.4	4.8	175.2
09/02/2021	163.1	8.3	171.4	09/02/2021	163.1	8.3	171.4
20/03/2021	159.5	1.5	161.0	20/03/2021	159.5	1.5	161.0
22/12/2021	151.4	4.4	155.9	22/12/2021	151.4	4.4	155.9
18/02/2021	143.0	3.9	146.9	06/03/2021	140.4	6.9	147.3

Highest incremental PM _{2.5} impact – Receptor R4				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	205.1	7.0	212.1	27/01/2021	205.1	7.0	212.1
05/08/2021	195.2	4.7	199.9	05/08/2021	195.2	4.7	199.9
27/05/2021	193.1	2.4	195.5	27/11/2021	190.0	6.0	196.0
27/11/2021	190.0	6.0	196.0	27/05/2021	193.1	2.4	195.5
17/08/2021	188.7	4.5	193.2	17/08/2021	188.7	4.5	193.2
25/08/2021	183.2	2.9	186.1	15/02/2021	183.0	4.7	187.7
26/11/2021	183.1	1.9	185.0	25/08/2021	183.2	2.9	186.1
15/02/2021	183.0	4.7	187.7	26/11/2021	183.1	1.9	185.0
28/05/2021	176.9	4.9	181.8	28/05/2021	176.9	4.9	181.8
11/12/2021	176.8	2.1	178.9	11/12/2021	176.8	2.1	178.9

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	203.0	7.0	210.0	27/01/2021	203.0	7.0	210.0
27/05/2021	192.1	2.4	194.5	05/08/2021	192.0	4.7	196.7
05/08/2021	192.0	4.7	196.7	27/05/2021	192.1	2.4	194.5
17/08/2021	187.1	4.5	191.6	17/08/2021	187.1	4.5	191.6
25/08/2021	180.9	2.9	183.8	25/08/2021	180.9	2.9	183.8
28/05/2021	170.8	4.9	175.7	28/05/2021	170.8	4.9	175.7
15/02/2021	170.4	4.7	175.1	05/07/2021	169.3	6.2	175.5
11/12/2021	170.1	2.1	172.2	15/02/2021	170.4	4.7	175.1
05/07/2021	169.3	6.2	175.5	06/09/2021	168.6	5.8	174.4
21/11/2021	169.0	1.9	170.9	11/12/2021	170.1	2.1	172.2

Highest incremental PM _{2.5} impact – Receptor R3				Highest cumulative PM _{2.5} impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	194.8	7.0	201.8	27/01/2021	194.8	7.0	201.8
11/12/2021	180.8	2.1	182.9	27/11/2021	178.1	6.0	184.1
27/11/2021	178.1	6.0	184.1	11/12/2021	180.8	2.1	182.9
15/02/2021	177.0	4.7	181.7	15/02/2021	177.0	4.7	181.7
28/05/2021	174.1	4.9	179.0	28/05/2021	174.1	4.9	179.0
17/08/2021	171.7	4.5	176.2	17/08/2021	171.7	4.5	176.2
14/03/2021	171.0	4.0	175.0	14/03/2021	171.0	4.0	175.0
29/05/2021	170.3	3.4	173.7	29/05/2021	170.3	3.4	173.7
13/09/2021	169.3	3.2	172.5	13/09/2021	169.3	3.2	172.5
26/11/2021	168.6	1.9	170.5	21/09/2021	168.2	3.1	171.3

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
11/11/2021	189.8	3.6	193.4	11/11/2021	189.8	3.6	193.4
17/03/2021	178.2	3.3	181.5	17/03/2021	178.2	3.3	181.5
21/03/2021	162.8	4.9	167.7	21/03/2021	162.8	4.9	167.7
20/03/2021	161.0	1.5	162.5	20/03/2021	161.0	1.5	162.5
18/03/2021	158.3	2.5	160.8	18/03/2021	158.3	2.5	160.8
18/02/2021	147.6	3.9	151.4	18/02/2021	147.6	3.9	151.4
12/10/2021	144.7	3.5	148.1	12/10/2021	144.7	3.5	148.1
21/12/2021	141.1	3.7	144.8	21/12/2021	141.1	3.7	144.8
21/10/2021	138.0	4.7	142.7	21/10/2021	138.0	4.7	142.7
21/02/2021	137.2	1.2	138.4	21/02/2021	137.2	1.2	138.4

Highest incremental PM _{2.5} impact – Receptor R44				Highest cumulative PM _{2.5} impact – Receptor R44			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	184.4	4.9	189.3	21/03/2021	184.4	4.9	189.3
19/02/2021	108.7	2.9	111.6	19/02/2021	108.7	2.9	111.6
09/11/2021	83.0	4.4	87.4	09/11/2021	83.0	4.4	87.4
10/03/2021	74.7	4.9	79.6	28/02/2021	74.0	7.8	81.8
28/02/2021	74.0	7.8	81.8	10/03/2021	74.7	4.9	79.6
29/01/2021	73.7	4.3	78.0	10/02/2021	72.8	6.4	79.2
10/02/2021	72.8	6.4	79.2	29/01/2021	73.7	4.3	78.0
06/04/2021	68.1	7.1	75.2	06/04/2021	68.1	7.1	75.2
24/12/2021	66.4	5.9	72.3	17/01/2021	65.8	7.2	73.0
17/01/2021	65.8	7.2	73.0	24/12/2021	66.4	5.9	72.3

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	222.5	222.5
R2	203.0	203.0
R3	194.8	194.8
R4	205.1	205.1
R5	171.3	171.3
R6	251.8	251.8
R7	167.1	167.1
R8	130.3	130.3
R9	146.8	146.8
R10	213.5	213.5
R11	189.8	189.8
R12	225.8	225.8
R13	140.4	140.4
R14	162.2	162.2
R15	124.0	124.0
R16	35.4	35.4
R17	33.1	33.1
R18	32.2	32.2
R19	54.8	54.8
R20	81.6	81.6
R21	72.2	72.2
R22	45.9	45.9
R23	39.8	39.8
R24	36.0	36.0
R25	31.8	31.8
R26	23.8	23.8
R27	16.0	16.0
R28	56.1	56.1
R29	55.8	55.8
R30	50.0	50.0
R31	51.1	51.1

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	31.3	31.3
R33	28.0	28.0
R34	29.3	29.3
R35	33.7	33.7
R36	32.9	32.9
R37	33.1	33.1
R38	94.4	94.4
R39	47.1	47.1
R40	98.5	98.5
R41	219.7	219.7
R42	172.6	172.6
R43	147.3	147.3
R44	184.4	184.4
R45	155.1	155.1
R46	113.5	113.5
R47	114.0	114.0
R48	130.3	130.3
R49	114.5	114.5
R50	106.8	106.8
R51	74.9	74.9
R52	81.8	81.8
R53	71.5	71.5
R54	40.5	40.5
R55	65.3	65.3
R56	67.2	67.2
R57	44.2	44.2
R58	60.4	60.4
R59	58.7	58.7
R60	44.4	44.4
R61	61.9	61.9
R62	33.5	33.5
R63	48.4	48.4
R64	28.1	28.1
R65	51.1	51.1
R66	42.0	42.0
R67	41.2	41.2

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	27.9	27.9
R69	28.0	28.0
R70	46.2	46.2
R71	75.5	75.5
R72	91.9	91.9
R73	108.9	108.9
R74	80.9	80.9
R75	46.2	46.2
R76	57.5	57.5
R77	43.1	43.1
R78	78.0	78.0
R79	53.3	53.3
R80	20.1	20.1
R81	53.1	53.1
R82	63.0	63.0
R83	40.8	40.8
R84	35.7	35.7
R85	59.7	59.7
R86	59.3	59.3
R87	31.0	31.0
R88	29.2	29.2
R89	26.5	26.5
R90	22.7	22.7
R91	28.0	28.0
R92	24.2	24.2
R93	42.4	42.4
R94	47.1	47.1
R95	40.5	40.5
R96	65.4	65.4
R97	51.3	51.3
R98	74.5	74.5
R99	50.4	50.4
R100	39.6	39.6
R101	53.2	53.2
R102	44.8	44.8
R103	39.2	39.2

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R104	24.0	24.0
R105	15.4	15.4
R106	21.7	21.7
R107	26.6	26.6
R108	33.7	33.7
R109	42.9	42.9
R110	36.2	36.2
R111	19.3	19.3
R112	40.9	40.9
R113	35.9	35.9
R114	12.0	12.0
R115	19.0	19.0
R116	13.9	13.9
R117	17.0	17.0
R118	27.5	27.5
R119	28.2	28.2
R120	33.5	33.5
R121	42.8	42.8
R122	65.2	65.2
R123	57.5	57.5
R124	32.0	32.0
R125	60.9	60.9
R126	31.1	31.1
R127	95.2	95.2
R128	96.4	96.4

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	19.2	0.5	19.7	14.6	0.4	14.9	3.1	< 0.1	3.1
R2	22.2	0.2	22.4	16.9	0.1	17.0	3.2	0.3	3.5
R3	19.4	0.2	19.5	14.7	0.1	14.8	3.1	0.3	3.4
R4	22.5	0.2	22.7	17.0	0.1	17.2	3.1	0.3	3.4
R5	13.6	0.2	13.8	10.3	0.1	10.5	2.5	< 0.1	2.6
R6	20.2	0.2	20.4	15.3	0.1	15.4	3.0	0.1	3.1
R7	9.1	0.2	9.3	6.9	0.1	7.0	2.2	< 0.1	2.2
R8	9.9	0.2	10.1	7.5	0.1	7.6	2.1	< 0.1	2.1
R9	9.7	0.2	9.9	7.3	0.1	7.5	2.3	< 0.1	2.3
R10	13.1	0.2	13.2	9.9	0.1	10.0	3.4	< 0.1	3.4
R11	10.2	0.2	10.4	7.8	0.1	7.9	3.6	< 0.1	3.6
R12	18.4	0.5	18.9	13.9	0.4	14.3	4.1	< 0.1	4.1
R13	19.1	0.5	19.5	14.4	0.4	14.8	3.1	0.2	3.3
R14	23.7	0.5	24.2	18.0	0.4	18.3	4.7	0.2	4.8
R15	11.6	0.3	11.9	8.8	0.2	9.0	2.5	0.2	2.7
R16	2.5	0.2	2.6	1.9	0.1	2.0	1.0	< 0.1	1.0
R17	2.3	< 0.1	2.3	1.7	< 0.1	1.7	1.0	< 0.1	1.0
R18	2.3	< 0.1	2.3	1.7	< 0.1	1.7	1.0	< 0.1	1.0
R19	2.6	< 0.1	2.6	2.0	< 0.1	2.0	1.0	< 0.1	1.1
R20	2.6	< 0.1	2.6	2.0	< 0.1	2.0	1.5	< 0.1	1.5
R21	2.6	< 0.1	2.6	2.0	< 0.1	2.0	1.4	< 0.1	1.4
R22	2.0	< 0.1	2.0	1.5	< 0.1	1.5	1.1	< 0.1	1.2
R23	2.1	< 0.1	2.1	1.6	< 0.1	1.6	1.0	< 0.1	1.0
R24	2.0	< 0.1	2.0	1.5	< 0.1	1.5	1.0	< 0.1	1.0
R25	1.9	< 0.1	1.9	1.4	< 0.1	1.4	0.8	< 0.1	0.9
R26	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.8	< 0.1	0.8
R27	1.4	< 0.1	1.4	1.0	< 0.1	1.0	0.5	< 0.1	0.5
R28	2.2	< 0.1	2.2	1.6	< 0.1	1.6	1.3	0.1	1.4
R29	2.6	< 0.1	2.6	2.0	< 0.1	2.0	1.5	0.1	1.6
R30	2.5	< 0.1	2.5	1.9	< 0.1	1.9	1.4	< 0.1	1.4

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	3.0	< 0.1	3.0	2.2	< 0.1	2.2	1.2	< 0.1	1.2
R32	2.4	< 0.1	2.4	1.8	< 0.1	1.8	0.9	< 0.1	0.9
R33	1.8	< 0.1	1.8	1.4	< 0.1	1.4	0.8	< 0.1	0.9
R34	1.8	< 0.1	1.8	1.4	< 0.1	1.4	0.8	< 0.1	0.9
R35	1.9	0.2	2.1	1.4	0.1	1.6	1.0	< 0.1	1.0
R36	2.2	< 0.1	2.2	1.7	< 0.1	1.7	1.0	< 0.1	1.0
R37	2.2	< 0.1	2.2	1.7	< 0.1	1.7	1.0	< 0.1	1.0
R38	5.6	0.7	6.3	4.2	0.5	4.7	2.3	< 0.1	2.3
R39	3.2	< 0.1	3.2	2.5	< 0.1	2.5	1.4	< 0.1	1.4
R40	13.0	0.2	13.2	9.9	0.1	10.0	2.0	0.1	2.1
R41	10.5	0.2	10.7	7.9	0.1	8.1	3.1	< 0.1	3.1
R42	8.9	0.2	9.0	6.7	0.1	6.8	2.9	< 0.1	3.0
R43	5.5	0.3	5.8	4.2	0.2	4.4	2.3	0.1	2.4
R44	5.9	< 0.1	5.9	4.5	< 0.1	4.5	2.8	< 0.1	2.8
R45	5.6	< 0.1	5.6	4.2	< 0.1	4.2	2.4	< 0.1	2.4
R46	4.2	< 0.1	4.2	3.2	< 0.1	3.2	1.8	< 0.1	1.8
R47	5.6	0.5	6.1	4.3	0.4	4.6	1.7	< 0.1	1.7
R48	7.5	0.5	8.0	5.7	0.4	6.1	1.9	< 0.1	1.9
R49	8.5	0.2	8.7	6.5	0.1	6.6	1.9	< 0.1	1.9
R50	4.5	0.5	5.0	3.4	0.4	3.8	1.6	< 0.1	1.6
R51	3.6	< 0.1	3.6	2.7	< 0.1	2.7	1.2	< 0.1	1.2
R52	4.4	0.2	4.5	3.3	0.1	3.4	1.6	< 0.1	1.6
R53	3.1	< 0.1	3.1	2.4	< 0.1	2.4	1.1	< 0.1	1.1
R54	2.9	< 0.1	2.9	2.2	< 0.1	2.2	1.0	< 0.1	1.0
R55	3.1	0.2	3.2	2.3	0.1	2.5	1.3	< 0.1	1.3
R56	3.3	< 0.1	3.3	2.5	< 0.1	2.5	1.6	0.1	1.8
R57	2.8	< 0.1	2.8	2.1	< 0.1	2.1	1.0	< 0.1	1.0
R58	3.0	< 0.1	3.0	2.3	< 0.1	2.3	1.2	< 0.1	1.2
R59	3.7	< 0.1	3.7	2.8	< 0.1	2.8	1.5	< 0.1	1.5
R60	2.9	< 0.1	2.9	2.2	< 0.1	2.2	1.1	< 0.1	1.1
R61	3.2	< 0.1	3.2	2.4	< 0.1	2.4	1.2	< 0.1	1.2
R62	3.5	0.8	4.4	2.7	0.6	3.3	0.9	< 0.1	0.9
R63	4.0	< 0.1	4.0	3.0	< 0.1	3.0	1.1	< 0.1	1.1
R64	3.1	0.8	4.0	2.4	0.6	3.0	0.9	< 0.1	0.9
R65	2.7	< 0.1	2.7	2.1	< 0.1	2.1	1.4	< 0.1	1.4

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	3.1	< 0.1	3.1	2.3	< 0.1	2.3	1.2	< 0.1	1.2
R67	2.5	< 0.1	2.5	1.9	< 0.1	1.9	1.5	< 0.1	1.5
R68	2.5	0.8	3.4	1.9	0.6	2.5	0.8	< 0.1	0.8
R69	2.3	< 0.1	2.3	1.7	< 0.1	1.7	0.7	< 0.1	0.7
R70	3.1	< 0.1	3.1	2.3	< 0.1	2.3	0.9	< 0.1	0.9
R71	5.2	0.3	5.6	4.0	0.2	4.2	1.6	0.2	1.8
R72	6.7	0.3	7.0	5.1	0.2	5.3	2.0	0.2	2.1
R73	8.2	0.3	8.5	6.2	0.2	6.5	2.2	0.2	2.4
R74	3.6	0.7	4.2	2.7	0.5	3.2	1.6	< 0.1	1.6
R75	2.5	< 0.1	2.5	1.9	< 0.1	1.9	1.5	< 0.1	1.5
R76	2.6	< 0.1	2.6	2.0	< 0.1	2.0	1.2	< 0.1	1.2
R77	4.4	0.5	4.9	3.3	0.4	3.7	1.1	< 0.1	1.1
R78	4.3	0.2	4.5	3.3	0.1	3.4	1.2	< 0.1	1.2
R79	3.0	< 0.1	3.0	2.3	< 0.1	2.3	1.1	< 0.1	1.1
R80	2.0	< 0.1	2.0	1.6	< 0.1	1.6	0.6	0.4	1.0
R81	3.6	< 0.1	3.6	2.7	< 0.1	2.7	1.1	< 0.1	1.1
R82	3.4	< 0.1	3.4	2.6	< 0.1	2.6	1.7	< 0.1	1.7
R83	3.5	0.2	3.7	2.7	0.1	2.8	1.1	0.2	1.3
R84	3.1	< 0.1	3.1	2.3	< 0.1	2.3	1.1	< 0.1	1.1
R85	4.3	0.2	4.4	3.2	0.1	3.4	1.1	< 0.1	1.1
R86	4.2	0.2	4.4	3.2	0.1	3.3	1.3	< 0.1	1.3
R87	3.1	0.5	3.6	2.4	0.4	2.7	1.1	< 0.1	1.1
R88	3.3	0.8	4.2	2.5	0.6	3.1	0.9	< 0.1	0.9
R89	3.0	0.8	3.8	2.3	0.6	2.9	0.8	< 0.1	0.8
R90	2.0	< 0.1	2.0	1.5	< 0.1	1.5	0.8	< 0.1	0.8
R91	2.6	0.5	3.1	1.9	0.4	2.3	1.0	< 0.1	1.0
R92	2.6	0.8	3.4	2.0	0.6	2.6	0.8	< 0.1	0.8
R93	2.9	< 0.1	2.9	2.2	< 0.1	2.2	1.0	< 0.1	1.0
R94	3.3	0.2	3.4	2.5	0.1	2.6	0.8	< 0.1	0.8
R95	2.6	0.2	2.8	2.0	0.1	2.1	0.8	< 0.1	0.8
R96	3.1	0.3	3.5	2.4	0.2	2.6	1.5	< 0.1	1.5
R97	3.0	0.2	3.2	2.3	0.1	2.4	1.2	< 0.1	1.2
R98	2.2	0.3	2.6	1.7	0.2	1.9	1.3	< 0.1	1.3
R99	3.0	0.2	3.2	2.3	0.1	2.4	1.3	< 0.1	1.3
R100	2.4	< 0.1	2.4	1.8	< 0.1	1.8	1.0	< 0.1	1.0

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	2.4	0.3	2.7	1.8	0.2	2.1	1.3	< 0.1	1.3
R102	2.6	0.2	2.7	1.9	0.1	2.1	1.0	< 0.1	1.0
R103	2.0	< 0.1	2.0	1.5	< 0.1	1.5	0.8	< 0.1	0.9
R104	1.7	< 0.1	1.7	1.3	< 0.1	1.3	0.8	< 0.1	0.8
R105	1.5	0.2	1.6	1.1	0.1	1.2	0.6	< 0.1	0.6
R106	1.8	< 0.1	1.8	1.3	< 0.1	1.3	0.6	< 0.1	0.6
R107	1.9	< 0.1	1.9	1.4	< 0.1	1.4	0.8	< 0.1	0.8
R108	2.8	< 0.1	2.8	2.1	< 0.1	2.1	1.0	< 0.1	1.0
R109	2.5	< 0.1	2.5	1.9	< 0.1	1.9	1.5	< 0.1	1.5
R110	2.2	< 0.1	2.2	1.6	< 0.1	1.6	1.0	< 0.1	1.0
R111	2.1	< 0.1	2.1	1.6	< 0.1	1.6	1.1	< 0.1	1.1
R112	2.5	< 0.1	2.5	1.9	< 0.1	1.9	1.2	< 0.1	1.2
R113	2.3	< 0.1	2.3	1.8	< 0.1	1.8	1.1	< 0.1	1.1
R114	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.4	< 0.1	0.4
R115	1.8	< 0.1	1.8	1.4	< 0.1	1.4	0.6	< 0.1	0.6
R116	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.4	< 0.1	0.4
R117	1.5	< 0.1	1.5	1.2	< 0.1	1.2	0.5	< 0.1	0.5
R118	1.8	< 0.1	1.8	1.4	< 0.1	1.4	0.8	< 0.1	0.8
R119	2.3	< 0.1	2.3	1.8	< 0.1	1.8	1.3	< 0.1	1.3
R120	2.3	< 0.1	2.3	1.7	< 0.1	1.7	1.0	< 0.1	1.0
R121	2.1	0.3	2.5	1.6	0.2	1.9	1.2	< 0.1	1.2
R122	2.2	0.3	2.5	1.7	0.2	1.9	1.3	< 0.1	1.3
R123	2.2	< 0.1	2.2	1.6	< 0.1	1.6	1.5	< 0.1	1.5
R124	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.9	< 0.1	0.9
R125	1.9	< 0.1	1.9	1.5	< 0.1	1.5	1.1	0.1	1.2
R126	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.7	< 0.1	0.7
R127	3.6	< 0.1	3.6	2.7	< 0.1	2.7	1.7	< 0.1	1.7
R128	5.1	0.2	5.3	3.9	0.1	4.0	1.7	< 0.1	1.7

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations (µg·m⁻³).

Rec.	1-hour (µg/m³)			24-hour (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	18.2	2.9	21.1	3.0	0.2	3.2
R2	21.1	< 0.1	21.1	2.7	0.2	3.0
R3	18.4	< 0.1	18.4	2.6	0.2	2.8
R4	21.3	< 0.1	21.3	2.7	0.2	3.0
R5	12.9	< 0.1	12.9	2.3	0.7	3.0
R6	19.2	< 0.1	19.2	3.3	< 0.1	3.3
R7	8.7	< 0.1	8.7	2.2	1.5	3.7
R8	9.4	< 0.1	9.4	1.7	0.7	2.4
R9	9.2	< 0.1	9.2	2.0	< 0.1	2.0
R10	12.4	< 0.1	12.4	3.0	0.2	3.2
R11	9.7	< 0.1	9.7	2.5	< 0.1	2.5
R12	17.4	2.9	20.3	3.2	0.4	3.5
R13	18.1	2.9	20.9	1.9	0.4	2.3
R14	22.5	2.9	25.4	2.1	4.6	6.8
R15	11.0	< 0.1	11.0	1.6	8.2	9.9
R16	2.4	< 0.1	2.4	0.5	0.1	0.6
R17	2.2	< 0.1	2.2	0.4	1.1	1.5
R18	2.1	< 0.1	2.1	0.4	1.1	1.5
R19	2.5	< 0.1	2.5	0.8	0.2	1.1
R20	2.4	< 0.1	2.4	1.0	< 0.1	1.0
R21	2.4	< 0.1	2.4	0.9	< 0.1	0.9
R22	1.9	< 0.1	1.9	0.6	0.8	1.5
R23	2.0	< 0.1	2.0	0.6	0.2	0.9
R24	1.9	< 0.1	1.9	0.6	0.2	0.8
R25	1.8	< 0.1	1.8	0.5	0.2	0.7
R26	1.5	1.4	2.9	0.3	2.5	2.8
R27	1.3	2.9	4.2	0.2	0.6	0.8
R28	2.1	< 0.1	2.1	0.8	0.8	1.6
R29	2.5	< 0.1	2.5	0.8	< 0.1	0.8
R30	2.4	< 0.1	2.4	0.8	< 0.1	0.8

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	2.8	< 0.1	2.8	0.7	< 0.1	0.7
R32	2.3	1.4	3.7	0.4	< 0.1	0.4
R33	1.7	< 0.1	1.7	0.4	0.2	0.7
R34	1.8	< 0.1	1.8	0.5	0.2	0.7
R35	1.8	2.9	4.7	0.5	0.1	0.6
R36	2.1	< 0.1	2.1	0.4	1.1	1.5
R37	2.1	< 0.1	2.1	0.4	1.1	1.5
R38	5.3	2.9	8.2	1.2	0.2	1.4
R39	3.1	< 0.1	3.1	0.6	1.0	1.5
R40	12.4	< 0.1	12.4	1.3	0.6	1.9
R41	10.0	< 0.1	10.0	2.9	< 0.1	2.9
R42	8.4	< 0.1	8.4	2.4	0.2	2.6
R43	5.2	< 0.1	5.2	1.9	< 0.1	1.9
R44	5.6	< 0.1	5.6	2.6	< 0.1	2.6
R45	5.3	< 0.1	5.3	2.2	< 0.1	2.2
R46	4.0	< 0.1	4.0	1.6	0.2	1.8
R47	5.3	2.9	8.2	1.5	< 0.1	1.5
R48	7.2	2.9	10.0	1.8	< 0.1	1.8
R49	8.1	< 0.1	8.1	1.5	0.7	2.2
R50	4.2	2.9	7.1	1.4	< 0.1	1.4
R51	3.4	< 0.1	3.4	1.0	0.2	1.3
R52	4.2	< 0.1	4.2	1.1	0.7	1.8
R53	3.0	< 0.1	3.0	1.1	0.2	1.3
R54	2.7	1.4	4.1	0.6	< 0.1	0.6
R55	2.9	2.9	5.8	1.0	0.2	1.2
R56	3.2	< 0.1	3.2	1.0	< 0.1	1.0
R57	2.7	2.9	5.5	0.6	< 0.1	0.6
R58	2.9	< 0.1	2.9	0.9	0.2	1.2
R59	3.5	< 0.1	3.5	0.8	< 0.1	0.8
R60	2.7	< 0.1	2.7	0.6	0.4	1.0
R61	3.0	1.4	4.4	1.0	0.4	1.3
R62	3.3	2.9	6.2	0.5	1.2	1.6
R63	3.8	< 0.1	3.8	0.7	0.6	1.3
R64	3.0	2.9	5.8	0.4	1.3	1.7
R65	2.6	< 0.1	2.6	0.7	< 0.1	0.7

Rec.	1-hour (µg/m³)			24-hour (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	2.9	< 0.1	2.9	0.6	0.1	0.7
R67	2.4	< 0.1	2.4	0.6	0.4	1.0
R68	2.4	2.9	5.3	0.4	0.6	1.0
R69	2.2	< 0.1	2.2	0.4	0.6	1.0
R70	2.9	2.9	5.8	0.7	0.6	1.2
R71	5.0	< 0.1	5.0	0.9	0.6	1.5
R72	6.4	< 0.1	6.4	1.2	8.2	9.4
R73	7.8	< 0.1	7.8	1.4	8.2	9.7
R74	3.4	2.9	6.3	1.1	< 0.1	1.1
R75	2.4	< 0.1	2.4	0.6	< 0.1	0.6
R76	2.5	< 0.1	2.5	0.7	< 0.1	0.7
R77	4.2	2.9	7.0	0.7	0.4	1.0
R78	4.1	< 0.1	4.1	1.2	0.4	1.6
R79	2.9	1.4	4.3	0.9	0.4	1.2
R80	1.9	< 0.1	1.9	0.3	5.8	6.1
R81	3.4	< 0.1	3.4	0.8	< 0.1	0.8
R82	3.2	< 0.1	3.2	1.1	< 0.1	1.1
R83	3.4	2.9	6.2	0.5	0.1	0.6
R84	2.9	< 0.1	2.9	0.5	0.5	0.9
R85	4.1	< 0.1	4.1	0.9	0.4	1.3
R86	4.0	< 0.1	4.0	0.9	0.4	1.3
R87	3.0	2.9	5.8	0.5	0.4	0.8
R88	3.2	2.9	6.0	0.4	1.3	1.7
R89	2.9	2.9	5.7	0.4	2.3	2.6
R90	1.9	< 0.1	1.9	0.3	1.3	1.7
R91	2.4	2.9	5.3	0.4	0.4	0.8
R92	2.5	2.9	5.3	0.4	1.3	1.7
R93	2.7	1.4	4.2	0.7	0.4	1.1
R94	3.1	< 0.1	3.1	0.8	0.4	1.1
R95	2.5	< 0.1	2.5	0.7	0.4	1.0
R96	3.0	2.9	5.8	0.9	< 0.1	0.9
R97	2.9	< 0.1	2.9	0.7	0.7	1.4
R98	2.1	2.9	5.0	1.0	< 0.1	1.0
R99	2.8	2.9	5.7	0.8	< 0.1	0.8
R100	2.3	1.4	3.7	0.5	< 0.1	0.5

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	2.3	2.9	5.1	0.8	< 0.1	0.8
R102	2.4	2.9	5.3	0.7	0.2	0.9
R103	1.9	< 0.1	1.9	0.6	0.2	0.8
R104	1.7	1.4	3.1	0.3	2.5	2.8
R105	1.4	< 0.1	1.4	0.2	0.7	0.9
R106	1.7	5.7	7.4	0.3	1.8	2.1
R107	1.8	< 0.1	1.8	0.3	1.0	1.3
R108	2.6	< 0.1	2.6	0.4	0.2	0.7
R109	2.3	< 0.1	2.3	0.5	< 0.1	0.5
R110	2.1	< 0.1	2.1	0.5	0.4	0.8
R111	2.0	< 0.1	2.0	0.3	< 0.1	0.3
R112	2.4	< 0.1	2.4	0.5	1.1	1.6
R113	2.2	< 0.1	2.2	0.4	< 0.1	0.4
R114	1.3	< 0.1	1.3	0.2	1.4	1.6
R115	1.7	2.9	4.6	0.2	0.6	0.8
R116	1.2	< 0.1	1.2	0.2	1.8	2.0
R117	1.5	2.9	4.3	0.2	0.6	0.8
R118	1.7	< 0.1	1.7	0.4	0.1	0.5
R119	2.2	< 0.1	2.2	0.4	0.4	0.8
R120	2.2	< 0.1	2.2	0.4	1.1	1.5
R121	2.0	2.9	4.9	0.5	1.5	2.1
R122	2.1	< 0.1	2.1	0.9	< 0.1	0.9
R123	2.1	< 0.1	2.1	0.8	0.5	1.3
R124	1.4	< 0.1	1.4	0.4	0.5	0.9
R125	1.8	< 0.1	1.8	0.8	1.5	2.3
R126	1.5	< 0.1	1.5	0.4	< 0.1	0.4
R127	3.4	< 0.1	3.4	1.2	< 0.1	1.2
R128	4.9	< 0.1	4.9	1.3	0.7	2.0

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	6.30E-08	4.26E-03	1.53E-03	1.07E-03	4.33E-04
R2	8.57E-08	5.80E-03	2.09E-03	1.46E-03	5.89E-04
R3	8.49E-08	5.74E-03	2.07E-03	1.44E-03	5.83E-04
R4	8.43E-08	5.70E-03	2.05E-03	1.43E-03	5.79E-04
R5	7.26E-08	4.91E-03	1.77E-03	1.23E-03	4.99E-04
R6	5.24E-08	3.54E-03	1.27E-03	8.89E-04	3.60E-04
R7	5.17E-08	3.49E-03	1.26E-03	8.77E-04	3.55E-04
R8	4.63E-08	3.13E-03	1.13E-03	7.86E-04	3.18E-04
R9	3.81E-08	2.57E-03	9.27E-04	6.46E-04	2.61E-04
R10	5.35E-08	3.61E-03	1.30E-03	9.08E-04	3.67E-04
R11	5.79E-08	3.91E-03	1.41E-03	9.82E-04	3.97E-04
R12	5.86E-08	3.96E-03	1.43E-03	9.94E-04	4.02E-04
R13	4.95E-08	3.35E-03	1.21E-03	8.41E-04	3.40E-04
R14	6.13E-08	4.15E-03	1.49E-03	1.04E-03	4.21E-04
R15	4.93E-08	3.33E-03	1.20E-03	8.36E-04	3.38E-04
R16	1.88E-08	1.27E-03	4.58E-04	3.20E-04	1.29E-04
R17	1.41E-08	9.56E-04	3.44E-04	2.40E-04	9.72E-05
R18	1.44E-08	9.72E-04	3.50E-04	2.44E-04	9.88E-05
R19	2.00E-08	1.35E-03	4.87E-04	3.40E-04	1.37E-04
R20	1.99E-08	1.34E-03	4.84E-04	3.37E-04	1.36E-04
R21	1.90E-08	1.29E-03	4.64E-04	3.23E-04	1.31E-04
R22	1.66E-08	1.12E-03	4.03E-04	2.81E-04	1.14E-04
R23	1.61E-08	1.09E-03	3.91E-04	2.73E-04	1.10E-04
R24	1.55E-08	1.05E-03	3.76E-04	2.63E-04	1.06E-04
R25	1.48E-08	9.97E-04	3.59E-04	2.50E-04	1.01E-04
R26	1.24E-08	8.36E-04	3.01E-04	2.10E-04	8.49E-05
R27	9.65E-09	6.53E-04	2.35E-04	1.64E-04	6.63E-05
R28	1.91E-08	1.29E-03	4.64E-04	3.24E-04	1.31E-04
R29	1.97E-08	1.33E-03	4.79E-04	3.34E-04	1.35E-04
R30	1.86E-08	1.26E-03	4.52E-04	3.15E-04	1.28E-04
R31	2.19E-08	1.48E-03	5.34E-04	3.73E-04	1.51E-04
R32	1.60E-08	1.08E-03	3.90E-04	2.72E-04	1.10E-04

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	1.38E-08	9.35E-04	3.36E-04	2.35E-04	9.49E-05
R34	1.41E-08	9.54E-04	3.44E-04	2.40E-04	9.69E-05
R35	1.48E-08	1.00E-03	3.61E-04	2.52E-04	1.02E-04
R36	1.37E-08	9.24E-04	3.33E-04	2.32E-04	9.39E-05
R37	1.43E-08	9.67E-04	3.48E-04	2.43E-04	9.83E-05
R38	3.98E-08	2.69E-03	9.70E-04	6.76E-04	2.74E-04
R39	2.53E-08	1.71E-03	6.17E-04	4.30E-04	1.74E-04
R40	5.37E-08	3.63E-03	1.31E-03	9.12E-04	3.69E-04
R41	5.03E-08	3.40E-03	1.22E-03	8.54E-04	3.45E-04
R42	4.12E-08	2.79E-03	1.00E-03	6.99E-04	2.83E-04
R43	3.59E-08	2.42E-03	8.73E-04	6.09E-04	2.46E-04
R44	4.75E-08	3.21E-03	1.16E-03	8.06E-04	3.26E-04
R45	4.10E-08	2.77E-03	9.97E-04	6.95E-04	2.81E-04
R46	3.17E-08	2.15E-03	7.73E-04	5.39E-04	2.18E-04
R47	3.49E-08	2.36E-03	8.49E-04	5.92E-04	2.40E-04
R48	3.56E-08	2.41E-03	8.67E-04	6.04E-04	2.45E-04
R49	3.62E-08	2.45E-03	8.82E-04	6.15E-04	2.49E-04
R50	3.67E-08	2.48E-03	8.95E-04	6.24E-04	2.52E-04
R51	2.19E-08	1.48E-03	5.32E-04	3.71E-04	1.50E-04
R52	2.18E-08	1.47E-03	5.31E-04	3.70E-04	1.50E-04
R53	2.13E-08	1.44E-03	5.19E-04	3.62E-04	1.46E-04
R54	1.81E-08	1.22E-03	4.40E-04	3.07E-04	1.24E-04
R55	2.33E-08	1.58E-03	5.67E-04	3.96E-04	1.60E-04
R56	2.18E-08	1.47E-03	5.31E-04	3.70E-04	1.50E-04
R57	1.89E-08	1.28E-03	4.61E-04	3.21E-04	1.30E-04
R58	2.14E-08	1.45E-03	5.21E-04	3.63E-04	1.47E-04
R59	2.42E-08	1.64E-03	5.90E-04	4.11E-04	1.66E-04
R60	2.26E-08	1.53E-03	5.51E-04	3.84E-04	1.55E-04
R61	2.29E-08	1.55E-03	5.57E-04	3.88E-04	1.57E-04
R62	2.24E-08	1.51E-03	5.45E-04	3.80E-04	1.54E-04
R63	2.33E-08	1.58E-03	5.68E-04	3.96E-04	1.60E-04
R64	1.89E-08	1.28E-03	4.59E-04	3.20E-04	1.30E-04
R65	2.29E-08	1.55E-03	5.58E-04	3.89E-04	1.57E-04
R66	2.17E-08	1.47E-03	5.27E-04	3.68E-04	1.49E-04
R67	2.13E-08	1.44E-03	5.19E-04	3.62E-04	1.46E-04
R68	1.52E-08	1.03E-03	3.71E-04	2.59E-04	1.05E-04
R69	1.52E-08	1.03E-03	3.70E-04	2.58E-04	1.05E-04

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	1.85E-08	1.25E-03	4.52E-04	3.15E-04	1.27E-04
R71	2.56E-08	1.73E-03	6.24E-04	4.35E-04	1.76E-04
R72	2.88E-08	1.94E-03	7.00E-04	4.88E-04	1.98E-04
R73	3.84E-08	2.60E-03	9.35E-04	6.52E-04	2.64E-04
R74	2.63E-08	1.78E-03	6.40E-04	4.46E-04	1.81E-04
R75	1.96E-08	1.33E-03	4.78E-04	3.33E-04	1.35E-04
R76	1.89E-08	1.28E-03	4.59E-04	3.20E-04	1.30E-04
R77	2.46E-08	1.66E-03	5.98E-04	4.17E-04	1.69E-04
R78	2.26E-08	1.53E-03	5.50E-04	3.83E-04	1.55E-04
R79	2.20E-08	1.49E-03	5.35E-04	3.73E-04	1.51E-04
R80	1.48E-08	1.00E-03	3.60E-04	2.51E-04	1.02E-04
R81	2.16E-08	1.46E-03	5.27E-04	3.67E-04	1.49E-04
R82	2.32E-08	1.57E-03	5.64E-04	3.94E-04	1.59E-04
R83	2.41E-08	1.63E-03	5.86E-04	4.09E-04	1.65E-04
R84	2.42E-08	1.64E-03	5.89E-04	4.11E-04	1.66E-04
R85	2.00E-08	1.35E-03	4.88E-04	3.40E-04	1.38E-04
R86	2.21E-08	1.49E-03	5.37E-04	3.74E-04	1.52E-04
R87	2.01E-08	1.36E-03	4.90E-04	3.41E-04	1.38E-04
R88	2.07E-08	1.40E-03	5.04E-04	3.51E-04	1.42E-04
R89	1.92E-08	1.30E-03	4.67E-04	3.25E-04	1.32E-04
R90	1.64E-08	1.11E-03	4.00E-04	2.79E-04	1.13E-04
R91	1.83E-08	1.24E-03	4.45E-04	3.10E-04	1.25E-04
R92	1.80E-08	1.22E-03	4.39E-04	3.06E-04	1.24E-04
R93	2.08E-08	1.41E-03	5.07E-04	3.54E-04	1.43E-04
R94	1.89E-08	1.27E-03	4.59E-04	3.20E-04	1.29E-04
R95	1.86E-08	1.26E-03	4.53E-04	3.16E-04	1.28E-04
R96	1.93E-08	1.31E-03	4.71E-04	3.28E-04	1.33E-04
R97	1.78E-08	1.20E-03	4.32E-04	3.01E-04	1.22E-04
R98	1.71E-08	1.16E-03	4.17E-04	2.91E-04	1.18E-04
R99	2.05E-08	1.38E-03	4.98E-04	3.47E-04	1.40E-04
R100	1.91E-08	1.29E-03	4.66E-04	3.25E-04	1.31E-04
R101	1.61E-08	1.09E-03	3.91E-04	2.73E-04	1.10E-04
R102	1.79E-08	1.21E-03	4.37E-04	3.04E-04	1.23E-04
R103	1.61E-08	1.09E-03	3.91E-04	2.72E-04	1.10E-04
R104	1.28E-08	8.63E-04	3.11E-04	2.17E-04	8.76E-05
R105	9.80E-09	6.63E-04	2.39E-04	1.66E-04	6.73E-05
R106	1.32E-08	8.92E-04	3.21E-04	2.24E-04	9.06E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	1.46E-08	9.87E-04	3.55E-04	2.48E-04	1.00E-04
R108	1.98E-08	1.34E-03	4.82E-04	3.36E-04	1.36E-04
R109	1.90E-08	1.29E-03	4.63E-04	3.23E-04	1.31E-04
R110	1.56E-08	1.05E-03	3.79E-04	2.64E-04	1.07E-04
R111	1.64E-08	1.11E-03	3.99E-04	2.78E-04	1.13E-04
R112	1.65E-08	1.12E-03	4.02E-04	2.80E-04	1.13E-04
R113	1.78E-08	1.20E-03	4.33E-04	3.02E-04	1.22E-04
R114	1.18E-08	7.97E-04	2.87E-04	2.00E-04	8.09E-05
R115	1.15E-08	7.77E-04	2.80E-04	1.95E-04	7.89E-05
R116	8.23E-09	5.56E-04	2.00E-04	1.40E-04	5.65E-05
R117	9.73E-09	6.58E-04	2.37E-04	1.65E-04	6.68E-05
R118	1.43E-08	9.68E-04	3.49E-04	2.43E-04	9.84E-05
R119	1.95E-08	1.32E-03	4.75E-04	3.31E-04	1.34E-04
R120	1.54E-08	1.04E-03	3.75E-04	2.61E-04	1.06E-04
R121	1.72E-08	1.16E-03	4.18E-04	2.92E-04	1.18E-04
R122	1.82E-08	1.23E-03	4.42E-04	3.09E-04	1.25E-04
R123	1.91E-08	1.29E-03	4.66E-04	3.25E-04	1.31E-04
R124	1.33E-08	8.99E-04	3.24E-04	2.26E-04	9.13E-05
R125	1.69E-08	1.15E-03	4.12E-04	2.88E-04	1.16E-04
R126	1.09E-08	7.35E-04	2.65E-04	1.85E-04	7.47E-05
R127	2.44E-08	1.65E-03	5.94E-04	4.14E-04	1.67E-04
R128	2.60E-08	1.76E-03	6.34E-04	4.42E-04	1.79E-04
Max. at boundary	9.63E-08	6.51E-03	—	—	6.61E-04

Nitrogen dioxide (NO₂)

Maximum 1-hour concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.
Criterion			164
R1	8 873.9	8.2	8 882.1
R2	9 875.8	12.3	9 888.1
R3	8 858.8	12.3	8 871.1
R4	10 043.3	12.3	10 055.6
R5	6 869.4	12.3	6 881.7
R6	10 240.1	12.3	10 252.4
R7	5 174.7	12.3	5 187.0
R8	5 886.6	12.3	5 898.9
R9	5 128.8	10.2	5 139.0
R10	6 459.6	10.2	6 469.9
R11	4 968.8	10.2	4 979.1
R12	7 598.5	8.2	7 606.7
R13	7 912.2	8.2	7 920.4
R14	9 453.1	4.1	9 457.2
R15	4 942.0	10.2	4 952.2
R16	3 083.6	6.1	3 089.8
R17	3 562.6	2.0	3 564.6
R18	3 473.2	2.0	3 475.2
R19	2 767.6	2.0	2 769.7
R20	2 836.2	2.0	2 838.3
R21	2 944.8	2.0	2 946.8
R22	2 506.4	8.2	2 514.6
R23	2 462.6	2.0	2 464.7
R24	2 331.5	2.0	2 333.5
R25	2 220.1	10.2	2 230.3
R26	2 015.3	10.2	2 025.5
R27	1 525.2	4.1	1 529.3
R28	2 530.7	8.2	2 538.9
R29	2 774.2	< 0.1	2 774.2
R30	3 011.7	2.0	3 013.7

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R31	2 455.1	10.2	2 465.3
R32	2 509.1	6.1	2 515.2
R33	2 168.0	8.2	2 176.2
R34	2 190.5	8.2	2 198.7
R35	2 197.7	2.0	2 199.8
R36	3 299.4	2.0	3 301.5
R37	3 343.6	2.0	3 345.7
R38	3 694.7	10.2	3 705.0
R39	2 352.9	28.7	2 381.6
R40	5 605.7	34.9	5 640.6
R41	5 740.1	12.3	5 752.4
R42	5 655.6	6.1	5 661.8
R43	3 934.3	10.2	3 944.5
R44	3 455.7	6.1	3 461.9
R45	3 494.2	12.3	3 506.5
R46	2 787.6	10.2	2 797.9
R47	3 232.0	8.2	3 240.2
R48	4 562.7	10.2	4 573.0
R49	5 752.4	12.3	5 764.7
R50	3 118.7	4.1	3 122.8
R51	2 757.6	< 0.1	2 757.6
R52	3 947.8	12.3	3 960.1
R53	2 835.6	2.0	2 837.7
R54	2 610.3	6.1	2 616.5
R55	2 946.0	2.0	2 948.1
R56	3 088.2	< 0.1	3 088.2
R57	2 367.1	8.2	2 375.3
R58	2 695.4	6.1	2 701.6
R59	3 198.9	6.1	3 205.0
R60	2 740.8	6.1	2 747.0
R61	2 538.3	12.3	2 550.6
R62	2 939.4	10.2	2 949.7
R63	2 814.8	6.1	2 821.0
R64	2 055.2	9.2	2 064.4
R65	3 022.9	2.0	3 024.9

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R66	3 128.0	4.1	3 132.1
R67	2 393.7	2.0	2 395.8
R68	1 771.3	4.1	1 775.4
R69	1 962.8	6.1	1 969.0
R70	2 343.7	4.1	2 347.8
R71	2 467.1	10.2	2 477.3
R72	3 819.0	10.2	3 829.3
R73	4 435.1	10.2	4 445.3
R74	2 661.9	12.3	2 674.2
R75	2 502.1	2.0	2 504.2
R76	2 459.6	< 0.1	2 459.6
R77	3 297.2	4.1	3 301.3
R78	3 369.6	4.1	3 373.7
R79	2 549.2	12.3	2 561.5
R80	2 198.9	10.2	2 209.1
R81	3 136.4	6.1	3 142.6
R82	2 959.4	16.4	2 975.8
R83	3 578.3	22.6	3 600.9
R84	2 830.4	6.1	2 836.5
R85	3 650.6	4.1	3 654.7
R86	3 474.8	4.1	3 478.9
R87	2 851.3	10.2	2 861.6
R88	2 514.7	12.3	2 527.0
R89	2 402.2	12.3	2 414.5
R90	2 136.6	8.2	2 144.8
R91	2 686.8	10.2	2 697.0
R92	2 351.5	8.2	2 359.7
R93	2 612.2	12.3	2 624.5
R94	3 050.3	4.1	3 054.4
R95	2 608.4	4.1	2 612.5
R96	3 090.5	8.2	3 098.7
R97	3 099.7	12.3	3 112.0
R98	2 343.5	8.2	2 351.7
R99	3 196.2	10.2	3 206.4
R100	2 350.9	6.1	2 357.0

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R101	2 617.3	8.2	2 625.5
R102	2 588.0	4.1	2 592.1
R103	2 453.9	2.0	2 455.9
R104	2 078.3	6.1	2 084.5
R105	1 519.1	4.1	1 523.2
R106	1 964.1	10.2	1 974.4
R107	2 085.0	6.1	2 091.2
R108	3 098.9	2.0	3 101.0
R109	3 036.9	2.0	3 039.0
R110	2 731.7	< 0.1	2 731.7
R111	2 464.1	2.0	2 466.2
R112	3 043.9	2.0	3 045.9
R113	3 213.1	2.0	3 215.2
R114	1 900.9	4.1	1 905.0
R115	2 304.7	6.1	2 310.9
R116	1 642.2	10.2	1 652.4
R117	2 068.4	6.1	2 074.5
R118	2 635.0	6.1	2 641.2
R119	2 318.0	2.0	2 320.1
R120	3 330.2	2.0	3 332.2
R121	2 323.4	12.3	2 335.7
R122	2 449.1	10.2	2 459.4
R123	2 702.2	< 0.1	2 702.2
R124	2 086.1	< 0.1	2 086.1
R125	2 460.9	< 0.1	2 460.9
R126	2 503.9	< 0.1	2 503.9
R127	2 992.6	2.0	2 994.7
R128	4 049.7	12.3	4 062.0

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	72 655.8	29/04/2021 07:00	7 265.6	0.34	< 0.1	0.635	0.1	0.02	8 873.9	8.2	8 882.1
R2	84 132.7	02/10/2021 06:00	8 413.3	0.62	< 0.1	0.635	0.1	0.02	9 875.8	12.3	9 888.1
R3	73 296.9	02/10/2021 06:00	7 329.7	0.62	< 0.1	0.635	0.1	0.02	8 858.8	12.3	8 871.1
R4	85 072.9	02/10/2021 06:00	8 507.3	0.62	< 0.1	0.635	0.1	0.02	10 043.3	12.3	10 055.6
R5	51 575.7	02/10/2021 06:00	5 157.6	0.62	< 0.1	0.635	0.1	0.04	6 869.4	12.3	6 881.7
R6	76 430.9	02/10/2021 06:00	7 643.1	0.62	< 0.1	0.635	0.1	0.04	10 240.1	12.3	10 252.4
R7	34 504.4	02/10/2021 06:00	3 450.4	0.62	< 0.1	0.635	0.1	0.06	5 174.7	12.3	5 187.0
R8	37 478.3	25/09/2021 06:00	3 747.8	0.53	4.36	0.635	0.1	0.06	5 886.6	12.3	5 898.9
R9	36 642.1	27/09/2021 06:00	3 664.2	0.16	1.09	0.635	0.1	0.04	5 128.8	10.2	5 139.0
R10	49 412.9	27/09/2021 06:00	4 941.3	0.16	1.09	0.635	0.1	0.03	6 459.6	10.2	6 469.9
R11	38 717.3	27/09/2021 06:00	3 871.7	0.16	1.09	0.635	0.1	0.03	4 968.8	10.2	4 979.1
R12	69 527.9	19/08/2021 07:00	6 952.8	0.16	4.36	0.49	0.05	0.01	7 598.5	8.2	7 606.7
R13	72 070.5	19/08/2021 07:00	7 207.1	0.16	4.36	0.49	0.05	0.01	7 912.2	8.2	7 920.4
R14	89 691.6	20/08/2021 07:00	8 969.2	< 0.1	1.09	0.49	0.05	0.01	9 453.1	4.1	9 457.2
R15	43 745.3	16/06/2021 08:00	4 374.5	0.19	< 0.1	0.49	0.05	0.01	4 942.0	10.2	4 952.2
R16	9 386.5	12/11/2021 18:00	938.6	1.86	29.43	0.74	0.1	0.25	3 083.6	6.1	3 089.8
R17	8 687.2	15/11/2021 04:00	868.7	2.57	22.89	0.74	0.1	0.34	3 562.6	2.0	3 564.6
R18	8 538.5	15/11/2021 04:00	853.8	2.57	22.89	0.74	0.1	0.34	3 473.2	2.0	3 475.2
R19	9 564.0	21/09/2021 17:00	956.4	2.19	32.70	0.8	0.1	0.21	2 767.6	2.0	2 769.7
R20	9 732.1	14/09/2021 06:00	973.2	2.12	25.07	0.74	0.1	0.21	2 836.2	2.0	2 838.3
R21	9 757.7	14/09/2021 06:00	975.8	2.12	25.07	0.74	0.1	0.22	2 944.8	2.0	2 946.8
R22	7 464.8	20/05/2021 17:00	746.5	1.16	22.89	0.74	0.1	0.26	2 506.4	8.2	2 514.6
R23	7 074.1	21/09/2021 17:00	707.4	2.19	32.70	0.8	0.1	0.28	2 462.6	2.0	2 464.7
R24	7 425.2	13/02/2021 19:00	742.5	2.03	13.08	0.67	0.1	0.24	2 331.5	2.0	2 333.5
R25	6 559.4	22/12/2021 01:00	655.9	1.13	37.61	0.74	0.1	0.26	2 220.1	10.2	2 230.3
R26	5 827.2	22/12/2021 00:00	582.7	1.77	37.61	0.74	0.1	0.27	2 015.3	10.2	2 025.5
R27	5 193.8	28/07/2021 19:00	519.4	3.25	28.34	0.83	0.07	0.22	1 525.2	4.1	1 529.3
R28	8 232.0	20/05/2021 17:00	823.2	1.16	22.89	0.74	0.1	0.23	2 530.7	8.2	2 538.9
R29	9 807.8	14/03/2021 17:00	980.8	1.83	15.26	0.635	0.1	0.20	2 774.2	< 0.1	2 774.2
R30	9 569.3	14/09/2021 06:00	956.9	2.12	25.07	0.74	0.1	0.24	3 011.7	2.0	3 013.7
R31	11 192.3	21/12/2021 23:00	1 119.2	2.45	37.61	0.74	0.1	0.13	2 455.1	10.2	2 465.3
R32	9 191.4	02/02/2021 18:00	919.1	2.02	18.53	0.67	0.1	0.19	2 509.1	6.1	2 515.2

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	6 895.4	24/05/2021 01:00	689.5	0.90	5.45	0.635	0.1	0.24	2 168.0	8.2	2 176.2
R34	6 996.1	24/05/2021 01:00	699.6	0.90	5.45	0.635	0.1	0.24	2 190.5	8.2	2 198.7
R35	6 511.9	21/11/2021 05:00	651.2	1.53	20.71	0.74	0.1	0.26	2 197.7	2.0	2 199.8
R36	8 347.2	15/11/2021 04:00	834.7	2.57	22.89	0.74	0.1	0.33	3 299.4	2.0	3 301.5
R37	8 339.9	15/11/2021 04:00	834.0	2.57	22.89	0.74	0.1	0.33	3 343.6	2.0	3 345.7
R38	21 206.8	09/09/2021 07:00	2 120.7	0.36	< 0.1	0.635	0.1	0.08	3 694.7	10.2	3 705.0
R39	12 236.4	10/09/2021 03:00	1 223.6	2.44	17.44	0.635	0.1	0.10	2 352.9	28.7	2 381.6
R40	49 318.5	16/08/2021 07:00	4 931.8	0.22	1.09	0.49	0.05	0.02	5 605.7	34.9	5 640.6
R41	39 668.3	02/10/2021 06:00	3 966.8	0.62	< 0.1	0.635	0.1	0.05	5 740.1	12.3	5 752.4
R42	33 536.1	03/10/2021 06:00	3 353.6	0.13	< 0.1	0.635	0.1	0.08	5 655.6	6.1	5 661.8
R43	20 840.8	14/05/2021 07:00	2 084.1	0.61	< 0.1	0.635	0.1	0.10	3 934.3	10.2	3 944.5
R44	20 331.0	17/10/2021 17:00	2 033.1	2.47	43.60	0.85	0.1	0.08	3 455.7	6.1	3 461.9
R45	21 057.0	10/02/2021 18:00	2 105.7	2.15	15.26	0.67	0.1	0.07	3 494.2	12.3	3 506.5
R46	16 001.2	21/12/2021 23:00	1 600.1	2.45	37.61	0.74	0.1	0.08	2 787.6	10.2	2 797.9
R47	21 213.7	29/04/2021 07:00	2 121.4	0.34	< 0.1	0.635	0.1	0.06	3 232.0	8.2	3 240.2
R48	28 294.3	20/12/2021 05:00	2 829.4	0.77	37.61	0.74	0.1	0.07	4 562.7	10.2	4 573.0
R49	32 305.5	25/09/2021 06:00	3 230.6	0.53	4.36	0.635	0.1	0.09	5 752.4	12.3	5 764.7
R50	16 912.5	26/02/2021 06:00	1 691.2	0.56	< 0.1	0.67	0.1	0.09	3 118.7	4.1	3 122.8
R51	13 611.3	02/01/2021 05:00	1 361.1	1.04	6.54	0.67	0.1	0.11	2 757.6	< 0.1	2 757.6
R52	16 581.5	25/09/2021 06:00	1 658.1	0.53	4.36	0.635	0.1	0.15	3 947.8	12.3	3 960.1
R53	11 339.5	21/09/2021 17:00	1 134.0	2.19	32.70	0.8	0.1	0.17	2 835.6	2.0	2 837.7
R54	10 837.5	02/02/2021 18:00	1 083.7	2.02	18.53	0.67	0.1	0.16	2 610.3	6.1	2 616.5
R55	11 005.0	21/09/2021 17:00	1 100.5	2.19	32.70	0.8	0.1	0.19	2 946.0	2.0	2 948.1
R56	12 600.9	14/03/2021 17:00	1 260.1	1.83	15.26	0.635	0.1	0.16	3 088.2	< 0.1	3 088.2
R57	10 659.8	17/02/2021 06:00	1 066.0	1.15	3.27	0.67	0.1	0.14	2 367.1	8.2	2 375.3
R58	11 211.5	30/03/2021 17:00	1 121.1	2.34	23.98	0.74	0.1	0.16	2 695.4	6.1	2 701.6
R59	14 001.7	16/11/2021 18:00	1 400.2	2.27	27.25	0.74	0.1	0.14	3 198.9	6.1	3 205.0
R60	9 105.4	18/01/2021 18:00	910.5	2.27	49.05	0.81	0.15	0.22	2 740.8	6.1	2 747.0
R61	12 008.6	03/02/2021 18:00	1 200.9	2.28	19.62	0.67	0.1	0.12	2 538.3	12.3	2 550.6
R62	13 315.9	18/12/2021 05:00	1 331.6	1.03	37.61	0.74	0.1	0.13	2 939.4	10.2	2 949.7
R63	15 140.8	09/04/2021 07:00	1 514.1	0.45	< 0.1	0.635	0.1	0.10	2 814.8	6.1	2 821.0
R64	8 025.0	15/12/2021 22:00	802.5	0.56	37.61	0.74	0.1	0.17	2 055.2	9.2	2 064.4
R65	10 005.0	15/11/2021 04:00	1 000.5	2.57	22.89	0.74	0.1	0.22	3 022.9	2.0	3 024.9
R66	10 682.7	15/10/2021 18:00	1 068.3	2.97	26.16	0.74	0.1	0.21	3 128.0	4.1	3 132.1
R67	9 476.9	17/07/2021 04:00	947.7	2.95	31.61	0.87	0.07	0.17	2 393.7	2.0	2 395.8
R68	7 969.8	28/07/2021 19:00	797.0	3.25	28.34	0.83	0.07	0.14	1 771.3	4.1	1 775.4

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	8 718.0	09/04/2021 07:00	871.8	0.45	< 0.1	0.635	0.1	0.14	1 962.8	6.1	1 969.0
R70	11 642.5	14/04/2021 07:00	1 164.3	< 0.1	< 0.1	0.635	0.1	0.11	2 343.7	4.1	2 347.8
R71	19 794.0	16/06/2021 08:00	1 979.4	0.19	< 0.1	0.49	0.05	0.03	2 467.1	10.2	2 477.3
R72	21 887.7	12/02/2021 06:00	2 188.8	0.23	< 0.1	0.67	0.1	0.08	3 819.0	10.2	3 829.3
R73	28 410.2	12/02/2021 06:00	2 841.0	0.23	< 0.1	0.67	0.1	0.06	4 435.1	10.2	4 445.3
R74	13 315.9	04/08/2021 07:00	1 331.6	1.88	25.07	0.83	0.07	0.11	2 661.9	12.3	2 674.2
R75	8 714.6	13/11/2021 22:00	871.5	2.01	20.71	0.74	0.1	0.21	2 502.1	2.0	2 504.2
R76	7 961.4	05/10/2021 20:00	796.1	2.56	31.61	0.8	0.1	0.23	2 459.6	< 0.1	2 459.6
R77	16 584.6	01/05/2021 07:00	1 658.5	0.18	< 0.1	0.635	0.1	0.11	3 297.2	4.1	3 301.3
R78	16 382.2	03/01/2021 06:00	1 638.2	< 0.1	2.18	0.67	0.1	0.12	3 369.6	4.1	3 373.7
R79	11 466.0	03/02/2021 18:00	1 146.6	2.28	19.62	0.67	0.1	0.14	2 549.2	12.3	2 561.5
R80	7 736.9	19/12/2021 05:00	773.7	0.64	37.61	0.74	0.1	0.20	2 198.9	10.2	2 209.1
R81	13 581.1	19/02/2021 18:00	1 358.1	2.10	14.17	0.67	0.1	0.15	3 136.4	6.1	3 142.6
R82	12 840.9	14/12/2021 18:00	1 284.1	1.85	22.35	0.67	0.1	0.14	2 959.4	16.4	2 975.8
R83	13 354.4	01/09/2021 17:00	1 335.4	1.60	33.79	0.8	0.1	0.19	3 578.3	22.6	3 600.9
R84	11 430.1	16/11/2021 18:00	1 143.0	2.27	27.25	0.74	0.1	0.16	2 830.4	6.1	2 836.5
R85	16 182.7	03/01/2021 06:00	1 618.3	< 0.1	2.18	0.67	0.1	0.14	3 650.6	4.1	3 654.7
R86	15 987.0	03/01/2021 06:00	1 598.7	< 0.1	2.18	0.67	0.1	0.13	3 474.8	4.1	3 478.9
R87	8 701.8	02/12/2021 18:00	870.2	1.73	42.51	0.81	0.15	0.25	2 851.3	10.2	2 861.6
R88	6 088.7	12/01/2021 18:00	608.9	2.08	65.40	0.88	0.2	0.35	2 514.7	12.3	2 527.0
R89	5 544.5	12/01/2021 18:00	554.4	2.08	65.40	0.88	0.2	0.37	2 402.2	12.3	2 414.5
R90	7 030.1	08/10/2021 17:00	703.0	2.19	38.15	0.8	0.1	0.23	2 136.6	8.2	2 144.8
R91	7 648.5	02/12/2021 18:00	764.8	1.73	42.51	0.81	0.15	0.28	2 686.8	10.2	2 697.0
R92	8 190.9	08/10/2021 17:00	819.1	2.19	38.15	0.8	0.1	0.21	2 351.5	8.2	2 359.7
R93	10 879.7	03/02/2021 18:00	1 088.0	2.28	19.62	0.67	0.1	0.16	2 612.2	12.3	2 624.5
R94	12 333.8	03/01/2021 06:00	1 233.4	< 0.1	2.18	0.67	0.1	0.16	3 050.3	4.1	3 054.4
R95	9 955.0	03/01/2021 06:00	995.5	< 0.1	2.18	0.67	0.1	0.18	2 608.4	4.1	2 612.5
R96	11 913.2	02/03/2021 06:00	1 191.3	0.83	2.18	0.635	0.1	0.18	3 090.5	8.2	3 098.7
R97	11 529.2	25/09/2021 06:00	1 152.9	0.53	4.36	0.635	0.1	0.19	3 099.7	12.3	3 112.0
R98	8 451.2	02/03/2021 06:00	845.1	0.83	2.18	0.635	0.1	0.20	2 343.5	8.2	2 351.7
R99	11 297.0	16/12/2021 05:00	1 129.7	1.29	37.61	0.74	0.1	0.20	3 196.2	10.2	3 206.4
R100	9 070.8	02/02/2021 18:00	907.1	2.02	18.53	0.67	0.1	0.18	2 350.9	6.1	2 357.0
R101	9 074.9	02/03/2021 06:00	907.5	0.83	2.18	0.635	0.1	0.21	2 617.3	8.2	2 625.5
R102	9 655.8	10/03/2021 06:00	965.6	0.99	7.63	0.635	0.1	0.19	2 588.0	4.1	2 592.1
R103	7 349.3	21/09/2021 17:00	734.9	2.19	32.70	0.8	0.1	0.26	2 453.9	2.0	2 455.9
R104	6 593.3	02/02/2021 18:00	659.3	2.02	18.53	0.67	0.1	0.24	2 078.3	6.1	2 084.5

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	5 574.6	18/10/2021 06:00	557.5	0.40	1.09	0.635	0.1	0.19	1 519.1	4.1	1 523.2
R106	6 567.3	19/12/2021 20:00	656.7	2.07	37.61	0.74	0.1	0.22	1 964.1	10.2	1 974.4
R107	6 865.3	09/09/2021 20:00	686.5	2.59	38.15	0.8	0.1	0.23	2 085.0	6.1	2 091.2
R108	9 741.8	12/11/2021 19:00	974.2	2.25	27.25	0.74	0.1	0.24	3 098.9	2.0	3 101.0
R109	9 354.8	13/11/2021 22:00	935.5	2.01	20.71	0.74	0.1	0.25	3 036.9	2.0	3 039.0
R110	8 212.0	25/07/2021 17:00	821.2	3.06	32.70	0.87	0.07	0.26	2 731.7	< 0.1	2 731.7
R111	7 887.0	13/11/2021 01:00	788.7	3.42	21.80	0.74	0.1	0.24	2 464.1	2.0	2 466.2
R112	8 926.4	15/11/2021 03:00	892.6	2.50	22.89	0.74	0.1	0.27	3 043.9	2.0	3 045.9
R113	8 607.4	19/09/2021 18:00	860.7	2.00	32.70	0.8	0.1	0.30	3 213.1	2.0	3 215.2
R114	5 321.5	25/03/2021 00:00	532.2	1.07	20.71	0.74	0.1	0.29	1 900.9	4.1	1 905.0
R115	6 610.5	09/09/2021 22:00	661.0	0.59	34.88	0.8	0.1	0.28	2 304.7	6.1	2 310.9
R116	4 807.9	19/12/2021 20:00	480.8	2.07	37.61	0.74	0.1	0.27	1 642.2	10.2	1 652.4
R117	5 156.9	09/09/2021 22:00	515.7	0.59	34.88	0.8	0.1	0.33	2 068.4	6.1	2 074.5
R118	6 839.4	12/11/2021 18:00	683.9	1.86	29.43	0.74	0.1	0.32	2 635.0	6.1	2 641.2
R119	8 536.2	13/11/2021 01:00	853.6	3.42	21.80	0.74	0.1	0.19	2 318.0	2.0	2 320.1
R120	8 596.7	15/11/2021 04:00	859.7	2.57	22.89	0.74	0.1	0.32	3 330.2	2.0	3 332.2
R121	8 051.7	15/04/2021 07:00	805.2	0.12	< 0.1	0.635	0.1	0.21	2 323.4	12.3	2 335.7
R122	8 281.6	14/05/2021 07:00	828.2	0.61	< 0.1	0.635	0.1	0.22	2 449.1	10.2	2 459.4
R123	7 663.7	15/05/2021 18:00	766.4	2.38	27.25	0.74	0.1	0.28	2 702.2	< 0.1	2 702.2
R124	5 378.6	05/10/2021 18:00	537.9	3.80	32.70	0.8	0.1	0.32	2 086.1	< 0.1	2 086.1
R125	6 872.3	15/05/2021 21:00	687.2	1.71	26.16	0.74	0.1	0.29	2 460.9	< 0.1	2 460.9
R126	5 955.7	05/10/2021 20:00	595.6	2.56	31.61	0.8	0.1	0.36	2 503.9	< 0.1	2 503.9
R127	13 196.5	14/09/2021 06:00	1 319.6	2.12	25.07	0.74	0.1	0.14	2 992.6	2.0	2 994.7
R128	19 427.2	25/09/2021 06:00	1 942.7	0.53	4.36	0.635	0.1	0.12	4 049.7	12.3	4 062.0

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R6				Highest cumulative PM ₁₀ impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/08/2021	335.7	7.8	343.5	05/08/2021	335.7	7.8	343.5
14/05/2021	327.1	9.5	336.6	14/05/2021	327.1	9.5	336.6
27/05/2021	323.4	9.3	332.7	27/05/2021	323.4	9.3	332.7
25/08/2021	298.3	5.4	303.7	25/08/2021	298.3	5.4	303.7
18/07/2021	294.4	5.7	300.1	18/07/2021	294.4	5.7	300.1
05/07/2021	285.0	10.9	295.9	05/07/2021	285.0	10.9	295.9
06/08/2021	266.7	15.4	282.1	06/08/2021	266.7	15.4	282.1
04/06/2021	257.1	8.8	265.9	23/04/2021	239.0	29.9	268.9
23/04/2021	239.0	29.9	268.9	04/06/2021	257.1	8.8	265.9
16/01/2021	229.7	25.0	254.7	16/01/2021	229.7	25.0	254.7

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/03/2021	301.0	5.9	306.9	27/01/2021	296.6	11.1	307.7
21/03/2021	256.1	12.3	268.4	28/12/2021	275.9	10.1	286.0
19/02/2021	248.6	13.4	262.0	27/12/2021	271.7	11.2	282.9
29/01/2021	224.9	8.2	233.1	08/01/2021	268.6	13.7	282.3
02/11/2021	206.9	19.1	226.0	17/02/2021	263.6	14.1	277.7
10/03/2021	203.0	21.1	224.1	26/12/2021	260.8	14.9	275.7
20/02/2021	195.8	11.4	207.2	22/11/2021	257.1	18.0	275.1
02/12/2021	177.9	15.0	192.9	16/12/2021	254.4	20.0	274.4
10/02/2021	176.4	23.8	200.2	21/11/2021	266.6	6.6	273.2
24/12/2021	163.0	13.5	176.5	07/01/2021	254.9	11.0	265.9

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	296.6	11.1	307.7	22/03/2021	301.0	5.9	306.9
28/12/2021	275.9	10.1	286.0	21/03/2021	256.1	12.3	268.4
27/12/2021	271.7	11.2	282.9	19/02/2021	248.6	13.4	262.0
08/01/2021	268.6	13.7	282.3	29/01/2021	224.9	8.2	233.1
21/11/2021	266.6	6.6	273.2	02/11/2021	206.9	19.1	226.0
17/02/2021	263.6	14.1	277.7	10/03/2021	203.0	21.1	224.1
26/12/2021	260.8	14.9	275.7	20/02/2021	195.8	11.4	207.2
26/11/2021	258.7	6.4	265.1	10/02/2021	176.4	23.8	200.2
22/11/2021	257.1	18.0	275.1	02/12/2021	177.9	15.0	192.9
07/01/2021	254.9	11.0	265.9	17/11/2021	160.7	21.5	182.2

Highest incremental PM ₁₀ impact – Receptor R41				Highest cumulative PM ₁₀ impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/10/2021	292.9	14.0	306.9	05/10/2021	292.9	14.0	306.9
04/08/2021	242.9	5.6	248.5	04/08/2021	242.9	5.6	248.5
16/10/2021	213.9	7.1	221.0	16/10/2021	213.9	7.1	221.0
18/07/2021	202.3	5.7	208.0	18/07/2021	202.3	5.7	208.0
26/06/2021	178.0	10.0	188.0	26/06/2021	178.0	10.0	188.0
16/05/2021	172.0	7.9	179.9	14/05/2021	171.1	9.5	180.6
14/05/2021	171.1	9.5	180.6	15/11/2021	170.2	9.9	180.1
15/11/2021	170.2	9.9	180.1	16/05/2021	172.0	7.9	179.9
03/10/2021	165.6	7.7	173.3	03/10/2021	165.6	7.7	173.3
02/10/2021	163.8	8.0	171.8	02/10/2021	163.8	8.0	171.8

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	284.7	13.8	298.5	19/03/2021	284.7	13.8	298.5
18/03/2021	272.7	9.1	281.8	18/03/2021	272.7	9.1	281.8
17/03/2021	268.0	13.5	281.5	17/03/2021	268.0	13.5	281.5
11/11/2021	245.7	14.5	260.2	11/11/2021	245.7	14.5	260.2
28/01/2021	243.7	16.0	259.7	28/01/2021	243.7	16.0	259.7
17/02/2021	227.2	14.1	241.3	17/02/2021	227.2	14.1	241.3
09/02/2021	217.5	19.8	237.3	09/02/2021	217.5	19.8	237.3
20/03/2021	212.7	9.9	222.6	20/03/2021	212.7	9.9	222.6
22/12/2021	201.9	15.1	217.0	22/12/2021	201.9	15.1	217.0
18/02/2021	190.7	13.9	204.6	06/03/2021	187.2	25.7	212.9

Highest incremental PM ₁₀ impact – Receptor R4				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	273.5	11.1	284.6	27/01/2021	273.5	11.1	284.6
05/08/2021	260.3	7.8	268.1	17/08/2021	251.6	19.9	271.5
27/05/2021	257.5	9.3	266.8	27/11/2021	253.4	16.4	269.8
27/11/2021	253.4	16.4	269.8	05/08/2021	260.3	7.8	268.1
17/08/2021	251.6	19.9	271.5	27/05/2021	257.5	9.3	266.8
25/08/2021	244.2	5.4	249.6	15/02/2021	244.0	12.6	256.6
26/11/2021	244.1	6.4	250.5	26/11/2021	244.1	6.4	250.5
15/02/2021	244.0	12.6	256.6	28/05/2021	235.8	14.3	250.1
28/05/2021	235.8	14.3	250.1	25/08/2021	244.2	5.4	249.6
11/12/2021	235.7	8.1	243.8	27/12/2021	233.0	11.2	244.2

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	270.7	11.1	281.8	27/01/2021	270.7	11.1	281.8
27/05/2021	256.1	9.3	265.4	17/08/2021	249.5	19.9	269.4
05/08/2021	256.0	7.8	263.8	27/05/2021	256.1	9.3	265.4
17/08/2021	249.5	19.9	269.4	05/08/2021	256.0	7.8	263.8
25/08/2021	241.2	5.4	246.6	25/08/2021	241.2	5.4	246.6
28/05/2021	227.7	14.3	242.0	25/09/2021	216.1	27.9	244.0
15/02/2021	227.3	12.6	239.9	28/05/2021	227.7	14.3	242.0
11/12/2021	226.8	8.1	234.9	15/02/2021	227.3	12.6	239.9
05/07/2021	225.7	10.9	236.6	06/09/2021	224.8	13.5	238.3
21/11/2021	225.4	6.6	232.0	05/07/2021	225.7	10.9	236.6

Highest incremental PM ₁₀ impact – Receptor R3				Highest cumulative PM ₁₀ impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
27/01/2021	259.7	11.1	270.8	27/01/2021	259.7	11.1	270.8
11/12/2021	241.1	8.1	249.2	27/11/2021	237.5	16.4	253.9
27/11/2021	237.5	16.4	253.9	11/12/2021	241.1	8.1	249.2
15/02/2021	236.0	12.6	248.6	17/08/2021	228.9	19.9	248.8
28/05/2021	232.2	14.3	246.5	15/02/2021	236.0	12.6	248.6
17/08/2021	228.9	19.9	248.8	28/05/2021	232.2	14.3	246.5
14/03/2021	228.0	7.4	235.4	13/09/2021	225.7	14.8	240.5
29/05/2021	227.1	9.3	236.4	21/09/2021	224.2	13.5	237.7
13/09/2021	225.7	14.8	240.5	29/05/2021	227.1	9.3	236.4
26/11/2021	224.7	6.4	231.1	14/03/2021	228.0	7.4	235.4

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
11/11/2021	253.1	14.5	267.6	11/11/2021	253.1	14.5	267.6
17/03/2021	237.6	13.5	251.1	17/03/2021	237.6	13.5	251.1
21/03/2021	217.0	12.3	229.3	21/03/2021	217.0	12.3	229.3
20/03/2021	214.6	9.9	224.5	20/03/2021	214.6	9.9	224.5
18/03/2021	211.1	9.1	220.2	18/03/2021	211.1	9.1	220.2
18/02/2021	196.7	13.9	210.6	18/02/2021	196.7	13.9	210.6
12/10/2021	192.9	8.9	201.7	21/12/2021	188.2	15.9	204.1
21/12/2021	188.2	15.9	204.1	12/10/2021	192.9	8.9	201.7
21/10/2021	184.0	16.5	200.5	21/10/2021	184.0	16.5	200.5
21/02/2021	182.9	9.1	192.0	14/12/2021	174.4	21.6	196.0

Highest incremental PM ₁₀ impact – Receptor R44				Highest cumulative PM ₁₀ impact – Receptor R44			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	245.9	12.3	258.2	21/03/2021	245.9	12.3	258.2
19/02/2021	144.9	13.4	158.3	19/02/2021	144.9	13.4	158.3
09/11/2021	110.6	13.4	124.0	09/11/2021	110.6	13.4	124.0
10/03/2021	99.6	21.1	120.7	10/02/2021	97.1	23.8	120.9
28/02/2021	98.6	21.6	120.2	10/03/2021	99.6	21.1	120.7
29/01/2021	98.3	8.2	106.5	28/02/2021	98.6	21.6	120.2
10/02/2021	97.1	23.8	120.9	17/01/2021	87.8	25.5	113.3
06/04/2021	90.8	22.4	113.2	06/04/2021	90.8	22.4	113.2
24/12/2021	88.5	13.5	102.0	29/01/2021	98.3	8.2	106.5
17/01/2021	87.8	25.5	113.3	24/12/2021	88.5	13.5	102.0

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R6				Highest cumulative PM _{2.5} impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/08/2021	335.7	4.7	340.4	05/08/2021	335.7	4.7	340.4
14/05/2021	327.1	3.8	330.9	14/05/2021	327.1	3.8	330.9
27/05/2021	323.4	2.4	325.8	27/05/2021	323.4	2.4	325.8
25/08/2021	298.3	2.9	301.2	25/08/2021	298.3	2.9	301.2
18/07/2021	294.4	1.6	296.0	18/07/2021	294.4	1.6	296.0
05/07/2021	285.0	6.2	291.2	05/07/2021	285.0	6.2	291.2
06/08/2021	266.7	6.2	272.9	06/08/2021	266.7	6.2	272.9
04/06/2021	257.1	5.7	262.8	04/06/2021	257.1	5.7	262.8
23/04/2021	239.0	19.5	258.5	23/04/2021	239.0	19.5	258.5
16/01/2021	229.7	9.4	239.1	16/01/2021	229.7	9.4	239.1

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/03/2021	301.0	2.4	303.4	27/01/2021	296.6	7.0	303.6
21/03/2021	256.1	4.9	261.0	28/12/2021	275.9	1.2	277.1
19/02/2021	248.6	2.9	251.5	27/12/2021	271.7	2.0	273.7
29/01/2021	224.9	4.3	229.2	08/01/2021	268.6	2.8	271.4
02/11/2021	206.9	3.5	210.4	21/11/2021	266.6	1.9	268.5
10/03/2021	203.0	4.9	207.9	17/02/2021	263.6	4.8	268.4
20/02/2021	195.8	2.0	197.8	26/12/2021	260.8	5.8	266.6
02/12/2021	177.9	3.9	181.8	22/11/2021	257.1	4.4	261.5
10/02/2021	176.4	6.4	182.8	16/12/2021	254.4	6.6	261.0
24/12/2021	163.0	5.9	168.9	26/11/2021	258.7	1.9	260.6

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	296.6	7.0	303.6	22/03/2021	301.0	2.4	303.4
28/12/2021	275.9	1.2	277.1	21/03/2021	256.1	4.9	261.0
27/12/2021	271.7	2.0	273.7	19/02/2021	248.6	2.9	251.5
08/01/2021	268.6	2.8	271.4	29/01/2021	224.9	4.3	229.2
21/11/2021	266.6	1.9	268.5	02/11/2021	206.9	3.5	210.4
17/02/2021	263.6	4.8	268.4	10/03/2021	203.0	4.9	207.9
26/12/2021	260.8	5.8	266.6	20/02/2021	195.8	2.0	197.8
26/11/2021	258.7	1.9	260.6	10/02/2021	176.4	6.4	182.8
22/11/2021	257.1	4.4	261.5	02/12/2021	177.9	3.9	181.8
07/01/2021	254.9	2.7	257.6	24/12/2021	163.0	5.9	168.9

Highest incremental PM _{2.5} impact – Receptor R41				Highest cumulative PM _{2.5} impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/10/2021	292.9	3.8	296.7	05/10/2021	292.9	3.8	296.7
04/08/2021	242.9	1.8	244.7	04/08/2021	242.9	1.8	244.7
16/10/2021	213.9	1.9	215.8	16/10/2021	213.9	1.9	215.8
18/07/2021	202.3	1.6	203.9	18/07/2021	202.3	1.6	203.9
26/06/2021	178.0	5.8	183.8	26/06/2021	178.0	5.8	183.8
16/05/2021	172.0	3.1	175.1	16/05/2021	172.0	3.1	175.1
14/05/2021	171.1	3.8	174.9	14/05/2021	171.1	3.8	174.9
15/11/2021	170.2	2.4	172.6	15/11/2021	170.2	2.4	172.6
03/10/2021	165.6	3.8	169.4	03/10/2021	165.6	3.8	169.4
02/10/2021	163.8	2.9	166.7	02/10/2021	163.8	2.9	166.7

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	284.7	2.9	287.6	19/03/2021	284.7	2.9	287.6
18/03/2021	272.7	2.5	275.2	18/03/2021	272.7	2.5	275.2
17/03/2021	268.0	3.3	271.3	17/03/2021	268.0	3.3	271.3
11/11/2021	245.7	3.6	249.3	28/01/2021	243.7	8.3	252.0
28/01/2021	243.7	8.3	252.0	11/11/2021	245.7	3.6	249.3
17/02/2021	227.2	4.8	231.9	17/02/2021	227.2	4.8	231.9
09/02/2021	217.5	8.3	225.8	09/02/2021	217.5	8.3	225.8
20/03/2021	212.7	1.5	214.2	20/03/2021	212.7	1.5	214.2
22/12/2021	201.9	4.4	206.3	22/12/2021	201.9	4.4	206.3
18/02/2021	190.7	3.9	194.6	18/02/2021	190.7	3.9	194.6

Highest incremental PM _{2.5} impact – Receptor R4				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	273.5	7.0	280.5	27/01/2021	273.5	7.0	280.5
05/08/2021	260.3	4.7	265.0	05/08/2021	260.3	4.7	265.0
27/05/2021	257.5	2.4	259.9	27/05/2021	257.5	2.4	259.9
27/11/2021	253.4	6.0	259.4	27/11/2021	253.4	6.0	259.4
17/08/2021	251.6	4.5	256.1	17/08/2021	251.6	4.5	256.1
25/08/2021	244.2	2.9	247.1	15/02/2021	244.0	4.7	248.7
26/11/2021	244.1	1.9	246.0	25/08/2021	244.2	2.9	247.1
15/02/2021	244.0	4.7	248.7	26/11/2021	244.1	1.9	246.0
28/05/2021	235.8	4.9	240.7	28/05/2021	235.8	4.9	240.7
11/12/2021	235.7	2.1	237.8	11/12/2021	235.7	2.1	237.8

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	270.7	7.0	277.7	27/01/2021	270.7	7.0	277.7
27/05/2021	256.1	2.4	258.5	05/08/2021	256.0	4.7	260.7
05/08/2021	256.0	4.7	260.7	27/05/2021	256.1	2.4	258.5
17/08/2021	249.5	4.5	254.0	17/08/2021	249.5	4.5	254.0
25/08/2021	241.2	2.9	244.1	25/08/2021	241.2	2.9	244.1
28/05/2021	227.7	4.9	232.6	28/05/2021	227.7	4.9	232.6
15/02/2021	227.3	4.7	232.0	15/02/2021	227.3	4.7	232.0
11/12/2021	226.8	2.1	228.9	05/07/2021	225.7	6.2	231.9
05/07/2021	225.7	6.2	231.9	06/09/2021	224.8	5.8	230.6
21/11/2021	225.4	1.9	227.3	11/12/2021	226.8	2.1	228.9

Highest incremental PM _{2.5} impact – Receptor R3				Highest cumulative PM _{2.5} impact – Receptor R3			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
27/01/2021	259.7	7.0	266.7	27/01/2021	259.7	7.0	266.7
11/12/2021	241.1	2.1	243.2	27/11/2021	237.5	6.0	243.5
27/11/2021	237.5	6.0	243.5	11/12/2021	241.1	2.1	243.2
15/02/2021	236.0	4.7	240.7	15/02/2021	236.0	4.7	240.7
28/05/2021	232.2	4.9	237.1	28/05/2021	232.2	4.9	237.1
17/08/2021	228.9	4.5	233.4	17/08/2021	228.9	4.5	233.4
14/03/2021	228.0	4.0	232.0	14/03/2021	228.0	4.0	232.0
29/05/2021	227.1	3.4	230.5	29/05/2021	227.1	3.4	230.5
13/09/2021	225.7	3.2	228.9	13/09/2021	225.7	3.2	228.9
26/11/2021	224.7	1.9	226.6	21/09/2021	224.2	3.1	227.3

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
11/11/2021	253.1	3.6	256.7	11/11/2021	253.1	3.6	256.7
17/03/2021	237.6	3.3	240.9	17/03/2021	237.6	3.3	240.9
21/03/2021	217.0	4.9	221.9	21/03/2021	217.0	4.9	221.9
20/03/2021	214.6	1.5	216.1	20/03/2021	214.6	1.5	216.1
18/03/2021	211.1	2.5	213.6	18/03/2021	211.1	2.5	213.6
18/02/2021	196.7	3.9	200.6	18/02/2021	196.7	3.9	200.6
12/10/2021	192.9	3.5	196.3	12/10/2021	192.9	3.5	196.3
21/12/2021	188.2	3.7	191.8	21/12/2021	188.2	3.7	191.8
21/10/2021	184.0	4.7	188.7	21/10/2021	184.0	4.7	188.7
21/02/2021	182.9	1.2	184.1	21/02/2021	182.9	1.2	184.1

Highest incremental PM _{2.5} impact – Receptor R44				Highest cumulative PM _{2.5} impact – Receptor R44			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	245.9	4.9	250.8	21/03/2021	245.9	4.9	250.8
19/02/2021	144.9	2.9	147.9	19/02/2021	144.9	2.9	147.9
09/11/2021	110.6	4.4	115.0	09/11/2021	110.6	4.4	115.0
10/03/2021	99.6	4.9	104.5	28/02/2021	98.6	7.8	106.4
28/02/2021	98.6	7.8	106.4	10/03/2021	99.6	4.9	104.5
29/01/2021	98.3	4.3	102.6	10/02/2021	97.1	6.4	103.5
10/02/2021	97.1	6.4	103.5	29/01/2021	98.3	4.3	102.6
06/04/2021	90.8	7.1	97.9	06/04/2021	90.8	7.1	97.9
24/12/2021	88.5	5.9	94.4	17/01/2021	87.8	7.2	95.0
17/01/2021	87.8	7.2	95.0	24/12/2021	88.5	5.9	94.4

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	296.6	296.6
R2	270.7	270.7
R3	259.7	259.7
R4	273.5	273.5
R5	228.5	228.5
R6	335.7	335.7
R7	222.8	222.8
R8	173.8	173.8
R9	195.8	195.8
R10	284.7	284.7
R11	253.1	253.1
R12	301.0	301.0
R13	187.2	187.2
R14	216.2	216.2
R15	165.4	165.4
R16	47.1	47.1
R17	44.1	44.1
R18	42.9	42.9
R19	73.1	73.1
R20	108.8	108.8
R21	96.3	96.3
R22	61.2	61.2
R23	53.0	53.0
R24	48.0	48.0
R25	42.4	42.4
R26	31.7	31.7
R27	21.3	21.3
R28	74.8	74.8
R29	74.4	74.4
R30	66.7	66.7
R31	68.1	68.1

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	41.8	41.8
R33	37.3	37.3
R34	39.0	39.0
R35	44.9	44.9
R36	43.9	43.9
R37	44.1	44.1
R38	125.8	125.8
R39	62.8	62.8
R40	131.4	131.4
R41	292.9	292.9
R42	230.1	230.1
R43	196.4	196.4
R44	245.9	245.9
R45	206.8	206.8
R46	151.3	151.3
R47	152.0	152.0
R48	173.8	173.8
R49	152.6	152.6
R50	142.4	142.4
R51	99.9	99.9
R52	109.1	109.1
R53	95.4	95.4
R54	54.0	54.0
R55	87.1	87.1
R56	89.6	89.6
R57	58.9	58.9
R58	80.5	80.5
R59	78.3	78.3
R60	59.2	59.2
R61	82.5	82.5
R62	44.7	44.7
R63	64.5	64.5
R64	37.5	37.5
R65	68.2	68.2
R66	56.0	56.0
R67	54.9	54.9

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	37.2	37.2
R69	37.4	37.4
R70	61.6	61.6
R71	100.6	100.6
R72	122.5	122.5
R73	145.2	145.2
R74	107.9	107.9
R75	61.7	61.7
R76	76.6	76.6
R77	57.5	57.5
R78	104.0	104.0
R79	71.1	71.1
R80	26.8	26.8
R81	70.8	70.8
R82	83.9	83.9
R83	54.4	54.4
R84	47.6	47.6
R85	79.6	79.6
R86	79.1	79.1
R87	41.3	41.3
R88	38.9	38.9
R89	35.3	35.3
R90	30.2	30.2
R91	37.4	37.4
R92	32.2	32.2
R93	56.6	56.6
R94	62.7	62.7
R95	54.0	54.0
R96	87.3	87.3
R97	68.4	68.4
R98	99.3	99.3
R99	67.2	67.2
R100	52.8	52.8
R101	70.9	70.9
R102	59.8	59.8
R103	52.2	52.2

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R104	32.0	32.0
R105	20.5	20.5
R106	28.9	28.9
R107	35.5	35.5
R108	44.9	44.9
R109	57.2	57.2
R110	48.3	48.3
R111	25.7	25.7
R112	54.6	54.6
R113	47.9	47.9
R114	16.1	16.1
R115	25.3	25.3
R116	18.5	18.5
R117	22.7	22.7
R118	36.7	36.7
R119	37.6	37.6
R120	44.6	44.6
R121	57.1	57.1
R122	86.9	86.9
R123	76.7	76.7
R124	42.7	42.7
R125	81.3	81.3
R126	41.5	41.5
R127	126.9	126.9
R128	128.5	128.5

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	25.6	0.5	26.1	19.4	0.4	19.8	4.1	< 0.1	4.1
R2	29.7	0.2	29.8	22.5	0.1	22.6	4.2	0.3	4.5
R3	25.8	0.2	26.0	19.6	0.1	19.7	4.1	0.3	4.4
R4	30.0	0.2	30.2	22.7	0.1	22.9	4.2	0.3	4.5
R5	18.2	0.2	18.3	13.8	0.1	13.9	3.4	< 0.1	3.4
R6	26.9	0.2	27.1	20.4	0.1	20.5	4.0	0.1	4.1
R7	12.2	0.2	12.3	9.2	0.1	9.3	2.9	< 0.1	2.9
R8	13.2	0.2	13.4	10.0	0.1	10.1	2.8	< 0.1	2.8
R9	12.9	0.2	13.1	9.8	0.1	9.9	3.1	< 0.1	3.1
R10	17.4	0.2	17.6	13.2	0.1	13.3	4.5	< 0.1	4.5
R11	13.6	0.2	13.8	10.3	0.1	10.5	4.8	< 0.1	4.8
R12	24.5	0.5	25.0	18.6	0.4	19.0	5.5	< 0.1	5.5
R13	25.4	0.5	25.9	19.3	0.4	19.6	4.1	0.2	4.3
R14	31.6	0.5	32.1	24.0	0.4	24.3	6.2	0.2	6.4
R15	15.4	0.3	15.8	11.7	0.2	11.9	3.3	0.2	3.5
R16	3.3	0.2	3.5	2.5	0.1	2.6	1.3	< 0.1	1.3
R17	3.1	< 0.1	3.1	2.3	< 0.1	2.3	1.3	< 0.1	1.3
R18	3.0	< 0.1	3.0	2.3	< 0.1	2.3	1.3	< 0.1	1.3
R19	3.5	< 0.1	3.5	2.7	< 0.1	2.7	1.3	< 0.1	1.4
R20	3.4	< 0.1	3.4	2.6	< 0.1	2.6	2.0	< 0.1	2.0
R21	3.4	< 0.1	3.4	2.6	< 0.1	2.6	1.9	< 0.1	1.9
R22	2.6	< 0.1	2.6	2.0	< 0.1	2.0	1.5	< 0.1	1.5
R23	2.8	< 0.1	2.8	2.1	< 0.1	2.1	1.3	< 0.1	1.3
R24	2.6	< 0.1	2.6	2.0	< 0.1	2.0	1.3	< 0.1	1.3
R25	2.5	< 0.1	2.5	1.9	< 0.1	1.9	1.1	< 0.1	1.2
R26	2.1	< 0.1	2.1	1.6	< 0.1	1.6	1.0	< 0.1	1.1
R27	1.8	< 0.1	1.8	1.4	< 0.1	1.4	0.6	< 0.1	0.6
R28	2.9	< 0.1	2.9	2.2	< 0.1	2.2	1.7	0.1	1.8
R29	3.5	< 0.1	3.5	2.6	< 0.1	2.6	2.0	0.1	2.1
R30	3.4	< 0.1	3.4	2.6	< 0.1	2.6	1.9	< 0.1	1.9

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	3.9	< 0.1	3.9	3.0	< 0.1	3.0	1.6	< 0.1	1.6
R32	3.2	< 0.1	3.2	2.5	< 0.1	2.5	1.2	< 0.1	1.2
R33	2.4	< 0.1	2.4	1.8	< 0.1	1.8	1.1	< 0.1	1.1
R34	2.5	< 0.1	2.5	1.9	< 0.1	1.9	1.1	< 0.1	1.2
R35	2.5	0.2	2.7	1.9	0.1	2.0	1.3	< 0.1	1.3
R36	2.9	< 0.1	2.9	2.2	< 0.1	2.2	1.3	< 0.1	1.3
R37	2.9	< 0.1	2.9	2.2	< 0.1	2.2	1.3	< 0.1	1.3
R38	7.5	0.7	8.1	5.7	0.5	6.2	3.1	< 0.1	3.1
R39	4.3	< 0.1	4.3	3.3	< 0.1	3.3	1.8	< 0.1	1.8
R40	17.4	0.2	17.6	13.2	0.1	13.3	2.6	0.1	2.7
R41	14.0	0.2	14.1	10.6	0.1	10.7	4.1	< 0.1	4.1
R42	11.8	0.2	12.0	9.0	0.1	9.1	3.9	< 0.1	4.0
R43	7.3	0.3	7.7	5.6	0.2	5.8	3.1	0.1	3.2
R44	7.8	< 0.1	7.8	5.9	< 0.1	5.9	3.7	< 0.1	3.7
R45	7.4	< 0.1	7.4	5.6	< 0.1	5.6	3.2	< 0.1	3.2
R46	5.6	< 0.1	5.6	4.3	< 0.1	4.3	2.4	< 0.1	2.4
R47	7.5	0.5	8.0	5.7	0.4	6.0	2.3	< 0.1	2.3
R48	10.1	0.5	10.6	7.6	0.4	8.0	2.5	< 0.1	2.5
R49	11.4	0.2	11.6	8.6	0.1	8.8	2.5	< 0.1	2.5
R50	6.0	0.5	6.5	4.5	0.4	4.9	2.1	< 0.1	2.1
R51	4.8	< 0.1	4.8	3.6	< 0.1	3.6	1.6	< 0.1	1.6
R52	5.8	0.2	6.0	4.4	0.1	4.6	2.2	< 0.1	2.2
R53	4.2	< 0.1	4.2	3.2	< 0.1	3.2	1.5	< 0.1	1.5
R54	3.8	< 0.1	3.8	2.9	< 0.1	2.9	1.3	< 0.1	1.3
R55	4.1	0.2	4.3	3.1	0.1	3.2	1.7	< 0.1	1.8
R56	4.4	< 0.1	4.4	3.4	< 0.1	3.4	2.2	0.1	2.3
R57	3.8	< 0.1	3.8	2.8	< 0.1	2.8	1.3	< 0.1	1.3
R58	4.0	< 0.1	4.0	3.1	< 0.1	3.1	1.6	< 0.1	1.6
R59	4.9	< 0.1	4.9	3.7	< 0.1	3.7	1.9	< 0.1	1.9
R60	3.9	< 0.1	3.9	2.9	< 0.1	2.9	1.5	< 0.1	1.5
R61	4.2	< 0.1	4.2	3.2	< 0.1	3.2	1.7	< 0.1	1.7
R62	4.7	0.8	5.5	3.6	0.6	4.2	1.2	< 0.1	1.2
R63	5.3	< 0.1	5.3	4.0	< 0.1	4.0	1.4	< 0.1	1.4
R64	4.2	0.8	5.0	3.2	0.6	3.8	1.2	< 0.1	1.2
R65	3.6	< 0.1	3.6	2.8	< 0.1	2.8	1.9	< 0.1	1.9

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	4.1	< 0.1	4.1	3.1	< 0.1	3.1	1.6	< 0.1	1.6
R67	3.3	< 0.1	3.3	2.5	< 0.1	2.5	2.0	< 0.1	2.0
R68	3.4	0.8	4.2	2.6	0.6	3.2	1.1	< 0.1	1.1
R69	3.1	< 0.1	3.1	2.3	< 0.1	2.3	0.9	< 0.1	0.9
R70	4.1	< 0.1	4.1	3.1	< 0.1	3.1	1.2	< 0.1	1.2
R71	7.0	0.3	7.3	5.3	0.2	5.5	2.2	0.2	2.3
R72	8.9	0.3	9.3	6.8	0.2	7.0	2.6	0.2	2.8
R73	10.9	0.3	11.3	8.3	0.2	8.5	3.0	0.2	3.1
R74	4.8	0.7	5.4	3.6	0.5	4.1	2.1	< 0.1	2.1
R75	3.3	< 0.1	3.3	2.5	< 0.1	2.5	2.0	< 0.1	2.0
R76	3.5	< 0.1	3.5	2.7	< 0.1	2.7	1.5	< 0.1	1.6
R77	5.8	0.5	6.3	4.4	0.4	4.8	1.5	< 0.1	1.5
R78	5.8	0.2	5.9	4.4	0.1	4.5	1.6	< 0.1	1.6
R79	4.0	< 0.1	4.0	3.1	< 0.1	3.1	1.5	< 0.1	1.5
R80	2.7	< 0.1	2.7	2.1	< 0.1	2.1	0.8	0.4	1.2
R81	4.8	< 0.1	4.8	3.6	< 0.1	3.6	1.5	< 0.1	1.5
R82	4.5	< 0.1	4.5	3.4	< 0.1	3.4	2.2	< 0.1	2.2
R83	4.7	0.2	4.9	3.6	0.1	3.7	1.5	0.2	1.7
R84	4.1	< 0.1	4.1	3.1	< 0.1	3.1	1.4	< 0.1	1.4
R85	5.7	0.2	5.9	4.3	0.1	4.4	1.5	< 0.1	1.5
R86	5.6	0.2	5.8	4.3	0.1	4.4	1.7	< 0.1	1.7
R87	4.2	0.5	4.7	3.2	0.4	3.5	1.4	< 0.1	1.4
R88	4.4	0.8	5.3	3.4	0.6	4.0	1.2	< 0.1	1.2
R89	4.0	0.8	4.8	3.0	0.6	3.7	1.1	< 0.1	1.1
R90	2.7	< 0.1	2.7	2.0	< 0.1	2.0	1.0	< 0.1	1.0
R91	3.4	0.5	3.9	2.6	0.4	3.0	1.3	< 0.1	1.3
R92	3.5	0.8	4.3	2.6	0.6	3.3	1.1	< 0.1	1.1
R93	3.8	< 0.1	3.8	2.9	< 0.1	2.9	1.4	< 0.1	1.4
R94	4.3	0.2	4.5	3.3	0.1	3.4	1.1	< 0.1	1.1
R95	3.5	0.2	3.7	2.7	0.1	2.8	1.1	< 0.1	1.1
R96	4.2	0.3	4.5	3.2	0.2	3.4	2.0	< 0.1	2.0
R97	4.1	0.2	4.2	3.1	0.1	3.2	1.6	< 0.1	1.6
R98	3.0	0.3	3.3	2.3	0.2	2.5	1.8	< 0.1	1.8
R99	4.0	0.2	4.1	3.0	0.1	3.1	1.8	< 0.1	1.8
R100	3.2	< 0.1	3.2	2.4	< 0.1	2.4	1.4	< 0.1	1.4

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	3.2	0.3	3.5	2.4	0.2	2.7	1.7	< 0.1	1.7
R102	3.4	0.2	3.6	2.6	0.1	2.7	1.4	< 0.1	1.4
R103	2.7	< 0.1	2.7	2.0	< 0.1	2.0	1.1	< 0.1	1.2
R104	2.3	< 0.1	2.3	1.8	< 0.1	1.8	1.0	< 0.1	1.1
R105	2.0	0.2	2.1	1.5	0.1	1.6	0.7	< 0.1	0.7
R106	2.3	< 0.1	2.3	1.8	< 0.1	1.8	0.8	< 0.1	0.8
R107	2.5	< 0.1	2.5	1.9	< 0.1	1.9	1.1	< 0.1	1.1
R108	3.7	< 0.1	3.7	2.8	< 0.1	2.8	1.3	< 0.1	1.3
R109	3.3	< 0.1	3.3	2.5	< 0.1	2.5	1.9	< 0.1	1.9
R110	2.9	< 0.1	2.9	2.2	< 0.1	2.2	1.3	< 0.1	1.3
R111	2.8	< 0.1	2.8	2.1	< 0.1	2.1	1.4	< 0.1	1.4
R112	3.3	< 0.1	3.3	2.5	< 0.1	2.5	1.5	< 0.1	1.5
R113	3.1	< 0.1	3.1	2.4	< 0.1	2.4	1.5	< 0.1	1.5
R114	1.9	< 0.1	1.9	1.4	< 0.1	1.4	0.6	< 0.1	0.6
R115	2.4	< 0.1	2.4	1.8	< 0.1	1.8	0.8	< 0.1	0.8
R116	1.7	< 0.1	1.7	1.3	< 0.1	1.3	0.5	< 0.1	0.6
R117	2.0	< 0.1	2.0	1.5	< 0.1	1.5	0.7	< 0.1	0.7
R118	2.4	< 0.1	2.4	1.9	< 0.1	1.9	1.0	< 0.1	1.0
R119	3.1	< 0.1	3.1	2.3	< 0.1	2.3	1.8	< 0.1	1.8
R120	3.0	< 0.1	3.0	2.3	< 0.1	2.3	1.4	< 0.1	1.4
R121	2.8	0.3	3.2	2.2	0.2	2.4	1.6	< 0.1	1.6
R122	2.9	0.3	3.2	2.2	0.2	2.5	1.7	< 0.1	1.7
R123	2.9	< 0.1	2.9	2.2	< 0.1	2.2	1.9	< 0.1	2.0
R124	2.0	< 0.1	2.0	1.5	< 0.1	1.5	1.2	< 0.1	1.2
R125	2.6	< 0.1	2.6	1.9	< 0.1	1.9	1.5	0.1	1.6
R126	2.1	< 0.1	2.1	1.6	< 0.1	1.6	1.0	< 0.1	1.0
R127	4.8	< 0.1	4.8	3.6	< 0.1	3.6	2.2	< 0.1	2.2
R128	6.8	0.2	7.0	5.2	0.1	5.3	2.3	< 0.1	2.3

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	24.3	2.9	27.2	3.9	0.2	4.2
R2	28.1	< 0.1	28.1	3.6	0.2	3.9
R3	24.5	< 0.1	24.5	3.5	0.2	3.7
R4	28.5	< 0.1	28.5	3.7	0.2	3.9
R5	17.3	< 0.1	17.3	3.0	0.7	3.7
R6	25.6	< 0.1	25.6	4.4	< 0.1	4.4
R7	11.5	< 0.1	11.5	2.9	1.5	4.5
R8	12.5	< 0.1	12.5	2.3	0.7	3.0
R9	12.3	< 0.1	12.3	2.7	< 0.1	2.7
R10	16.5	< 0.1	16.5	4.0	0.2	4.2
R11	13.0	< 0.1	13.0	3.3	< 0.1	3.3
R12	23.3	2.9	26.1	4.2	0.4	4.6
R13	24.1	2.9	27.0	2.6	0.4	2.9
R14	30.0	2.9	32.9	2.9	4.6	7.5
R15	14.6	< 0.1	14.6	2.2	8.2	10.4
R16	3.1	< 0.1	3.1	0.7	0.1	0.8
R17	2.9	< 0.1	2.9	0.5	1.1	1.6
R18	2.9	< 0.1	2.9	0.5	1.1	1.6
R19	3.3	< 0.1	3.3	1.1	0.2	1.3
R20	3.3	< 0.1	3.3	1.4	< 0.1	1.4
R21	3.3	< 0.1	3.3	1.2	< 0.1	1.2
R22	2.5	< 0.1	2.5	0.9	0.8	1.7
R23	2.6	< 0.1	2.6	0.8	0.2	1.1
R24	2.5	< 0.1	2.5	0.8	0.2	1.0
R25	2.4	< 0.1	2.4	0.7	0.2	0.9
R26	2.0	1.4	3.5	0.4	2.5	3.0
R27	1.7	2.9	4.6	0.3	0.6	0.9
R28	2.8	< 0.1	2.8	1.0	0.8	1.9
R29	3.3	< 0.1	3.3	1.1	< 0.1	1.1
R30	3.2	< 0.1	3.2	1.0	< 0.1	1.0

Rec.	1-hour (µg/m³)			24-hour (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	3.7	< 0.1	3.7	0.9	< 0.1	0.9
R32	3.1	1.4	4.5	0.6	< 0.1	0.6
R33	2.3	< 0.1	2.3	0.6	0.2	0.8
R34	2.3	< 0.1	2.3	0.6	0.2	0.9
R35	2.4	2.9	5.3	0.7	0.1	0.8
R36	2.8	< 0.1	2.8	0.5	1.1	1.6
R37	2.8	< 0.1	2.8	0.5	1.1	1.6
R38	7.1	2.9	10.0	1.6	0.2	1.8
R39	4.1	< 0.1	4.1	0.8	1.0	1.7
R40	16.5	< 0.1	16.5	1.7	0.6	2.3
R41	13.3	< 0.1	13.3	3.9	< 0.1	3.9
R42	11.2	< 0.1	11.2	3.1	0.2	3.4
R43	7.0	< 0.1	7.0	2.6	< 0.1	2.6
R44	7.4	< 0.1	7.4	3.4	< 0.1	3.4
R45	7.0	< 0.1	7.0	2.9	< 0.1	2.9
R46	5.4	< 0.1	5.4	2.1	0.2	2.4
R47	7.1	2.9	10.0	2.0	< 0.1	2.0
R48	9.6	2.9	12.4	2.4	< 0.1	2.4
R49	10.8	< 0.1	10.8	2.0	0.7	2.7
R50	5.7	2.9	8.5	1.9	< 0.1	1.9
R51	4.6	< 0.1	4.6	1.4	0.2	1.6
R52	5.5	< 0.1	5.5	1.4	0.7	2.2
R53	4.0	< 0.1	4.0	1.4	0.2	1.6
R54	3.6	1.4	5.1	0.8	< 0.1	0.8
R55	3.9	2.9	6.8	1.3	0.2	1.6
R56	4.2	< 0.1	4.2	1.3	< 0.1	1.3
R57	3.6	2.9	6.4	0.8	< 0.1	0.8
R58	3.8	< 0.1	3.8	1.2	0.2	1.5
R59	4.7	< 0.1	4.7	1.1	< 0.1	1.1
R60	3.7	< 0.1	3.7	0.8	0.4	1.2
R61	4.0	1.4	5.4	1.3	0.4	1.7
R62	4.5	2.9	7.3	0.6	1.2	1.8
R63	5.1	< 0.1	5.1	0.9	0.6	1.5
R64	4.0	2.9	6.8	0.6	1.3	1.9
R65	3.5	< 0.1	3.5	0.9	< 0.1	0.9

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	3.9	< 0.1	3.9	0.8	0.1	0.9
R67	3.2	< 0.1	3.2	0.8	0.4	1.2
R68	3.2	2.9	6.1	0.5	0.6	1.1
R69	2.9	< 0.1	2.9	0.5	0.6	1.1
R70	3.9	2.9	6.8	0.9	0.6	1.5
R71	6.6	< 0.1	6.6	1.3	0.6	1.9
R72	8.5	< 0.1	8.5	1.6	8.2	9.8
R73	10.4	< 0.1	10.4	1.9	8.2	10.1
R74	4.5	2.9	7.4	1.4	< 0.1	1.4
R75	3.1	< 0.1	3.1	0.8	< 0.1	0.8
R76	3.3	< 0.1	3.3	1.0	< 0.1	1.0
R77	5.5	2.9	8.4	0.9	0.4	1.2
R78	5.5	< 0.1	5.5	1.6	0.4	2.0
R79	3.8	1.4	5.3	1.2	0.4	1.5
R80	2.6	< 0.1	2.6	0.4	5.8	6.2
R81	4.5	< 0.1	4.5	1.0	< 0.1	1.0
R82	4.3	< 0.1	4.3	1.4	< 0.1	1.4
R83	4.5	2.9	7.3	0.7	0.1	0.8
R84	3.9	< 0.1	3.9	0.6	0.5	1.1
R85	5.4	< 0.1	5.4	1.3	0.4	1.6
R86	5.3	< 0.1	5.3	1.2	0.4	1.6
R87	4.0	2.9	6.8	0.6	0.4	1.0
R88	4.2	2.9	7.1	0.5	1.3	1.8
R89	3.8	2.9	6.7	0.5	2.3	2.7
R90	2.6	< 0.1	2.6	0.5	1.3	1.8
R91	3.2	2.9	6.1	0.6	0.4	0.9
R92	3.3	2.9	6.2	0.5	1.3	1.8
R93	3.6	1.4	5.1	1.0	0.4	1.3
R94	4.1	< 0.1	4.1	1.0	0.4	1.4
R95	3.3	< 0.1	3.3	0.9	0.4	1.3
R96	4.0	2.9	6.8	1.2	< 0.1	1.2
R97	3.9	< 0.1	3.9	0.9	0.7	1.6
R98	2.8	2.9	5.7	1.3	< 0.1	1.3
R99	3.8	2.9	6.6	1.1	< 0.1	1.1
R100	3.0	1.4	4.5	0.7	< 0.1	0.7

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	3.0	2.9	5.9	1.0	< 0.1	1.0
R102	3.2	2.9	6.1	0.9	0.2	1.2
R103	2.6	< 0.1	2.6	0.8	0.2	1.0
R104	2.2	1.4	3.6	0.5	2.5	3.0
R105	1.9	< 0.1	1.9	0.3	0.7	1.0
R106	2.2	5.7	7.9	0.4	1.8	2.1
R107	2.4	< 0.1	2.4	0.4	1.0	1.4
R108	3.5	< 0.1	3.5	0.6	0.2	0.8
R109	3.1	< 0.1	3.1	0.6	< 0.1	0.6
R110	2.7	< 0.1	2.7	0.6	0.4	1.0
R111	2.6	< 0.1	2.6	0.4	< 0.1	0.4
R112	3.1	< 0.1	3.1	0.7	1.1	1.7
R113	3.0	< 0.1	3.0	0.6	< 0.1	0.6
R114	1.8	< 0.1	1.8	0.2	1.4	1.6
R115	2.3	2.9	5.1	0.3	0.6	0.9
R116	1.6	< 0.1	1.6	0.2	1.8	2.0
R117	1.9	2.9	4.8	0.3	0.6	0.9
R118	2.3	< 0.1	2.3	0.5	0.1	0.6
R119	2.9	< 0.1	2.9	0.6	0.4	0.9
R120	2.9	< 0.1	2.9	0.6	1.1	1.6
R121	2.7	2.9	5.6	0.7	1.5	2.3
R122	2.8	< 0.1	2.8	1.1	< 0.1	1.1
R123	2.7	< 0.1	2.7	1.0	0.5	1.5
R124	1.9	< 0.1	1.9	0.5	0.5	1.0
R125	2.4	< 0.1	2.4	1.0	1.5	2.6
R126	2.0	< 0.1	2.0	0.5	< 0.1	0.5
R127	4.6	< 0.1	4.6	1.6	< 0.1	1.6
R128	6.5	< 0.1	6.5	1.7	0.7	2.4

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	8.41E-08	5.68E-03	2.05E-03	1.43E-03	5.77E-04
R2	1.14E-07	7.73E-03	2.78E-03	1.94E-03	7.85E-04
R3	1.13E-07	7.65E-03	2.76E-03	1.92E-03	7.77E-04
R4	1.12E-07	7.60E-03	2.74E-03	1.91E-03	7.72E-04
R5	9.68E-08	6.55E-03	2.36E-03	1.64E-03	6.65E-04
R6	6.98E-08	4.72E-03	1.70E-03	1.18E-03	4.79E-04
R7	6.89E-08	4.66E-03	1.68E-03	1.17E-03	4.73E-04
R8	6.18E-08	4.18E-03	1.50E-03	1.05E-03	4.24E-04
R9	5.08E-08	3.43E-03	1.24E-03	8.62E-04	3.49E-04
R10	7.13E-08	4.82E-03	1.74E-03	1.21E-03	4.90E-04
R11	7.72E-08	5.22E-03	1.88E-03	1.31E-03	5.30E-04
R12	7.81E-08	5.28E-03	1.90E-03	1.33E-03	5.36E-04
R13	6.61E-08	4.47E-03	1.61E-03	1.12E-03	4.54E-04
R14	8.18E-08	5.53E-03	1.99E-03	1.39E-03	5.62E-04
R15	6.57E-08	4.44E-03	1.60E-03	1.12E-03	4.51E-04
R16	2.51E-08	1.70E-03	6.11E-04	4.26E-04	1.72E-04
R17	1.89E-08	1.28E-03	4.59E-04	3.20E-04	1.30E-04
R18	1.92E-08	1.30E-03	4.67E-04	3.26E-04	1.32E-04
R19	2.67E-08	1.80E-03	6.49E-04	4.53E-04	1.83E-04
R20	2.65E-08	1.79E-03	6.45E-04	4.50E-04	1.82E-04
R21	2.54E-08	1.72E-03	6.18E-04	4.31E-04	1.74E-04
R22	2.21E-08	1.49E-03	5.38E-04	3.75E-04	1.52E-04
R23	2.14E-08	1.45E-03	5.22E-04	3.64E-04	1.47E-04
R24	2.06E-08	1.39E-03	5.02E-04	3.50E-04	1.42E-04
R25	1.97E-08	1.33E-03	4.79E-04	3.34E-04	1.35E-04
R26	1.65E-08	1.11E-03	4.01E-04	2.80E-04	1.13E-04
R27	1.29E-08	8.70E-04	3.13E-04	2.19E-04	8.84E-05
R28	2.54E-08	1.72E-03	6.19E-04	4.31E-04	1.75E-04
R29	2.62E-08	1.77E-03	6.38E-04	4.45E-04	1.80E-04
R30	2.48E-08	1.67E-03	6.03E-04	4.20E-04	1.70E-04
R31	2.93E-08	1.98E-03	7.12E-04	4.97E-04	2.01E-04
R32	2.14E-08	1.44E-03	5.20E-04	3.63E-04	1.47E-04

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	1.84E-08	1.25E-03	4.49E-04	3.13E-04	1.27E-04
R34	1.88E-08	1.27E-03	4.58E-04	3.19E-04	1.29E-04
R35	1.98E-08	1.34E-03	4.82E-04	3.36E-04	1.36E-04
R36	1.82E-08	1.23E-03	4.44E-04	3.09E-04	1.25E-04
R37	1.91E-08	1.29E-03	4.64E-04	3.24E-04	1.31E-04
R38	5.31E-08	3.59E-03	1.29E-03	9.01E-04	3.65E-04
R39	3.38E-08	2.29E-03	8.23E-04	5.74E-04	2.32E-04
R40	7.16E-08	4.84E-03	1.74E-03	1.22E-03	4.92E-04
R41	6.70E-08	4.53E-03	1.63E-03	1.14E-03	4.60E-04
R42	5.49E-08	3.71E-03	1.34E-03	9.32E-04	3.77E-04
R43	4.78E-08	3.23E-03	1.16E-03	8.11E-04	3.28E-04
R44	6.33E-08	4.28E-03	1.54E-03	1.07E-03	4.35E-04
R45	5.46E-08	3.69E-03	1.33E-03	9.27E-04	3.75E-04
R46	4.23E-08	2.86E-03	1.03E-03	7.19E-04	2.91E-04
R47	4.65E-08	3.14E-03	1.13E-03	7.89E-04	3.19E-04
R48	4.75E-08	3.21E-03	1.16E-03	8.06E-04	3.26E-04
R49	4.83E-08	3.27E-03	1.18E-03	8.20E-04	3.32E-04
R50	4.90E-08	3.31E-03	1.19E-03	8.32E-04	3.37E-04
R51	2.91E-08	1.97E-03	7.09E-04	4.95E-04	2.00E-04
R52	2.91E-08	1.97E-03	7.08E-04	4.94E-04	2.00E-04
R53	2.84E-08	1.92E-03	6.92E-04	4.83E-04	1.95E-04
R54	2.41E-08	1.63E-03	5.87E-04	4.09E-04	1.66E-04
R55	3.11E-08	2.10E-03	7.57E-04	5.28E-04	2.13E-04
R56	2.91E-08	1.97E-03	7.08E-04	4.94E-04	2.00E-04
R57	2.52E-08	1.71E-03	6.14E-04	4.28E-04	1.73E-04
R58	2.85E-08	1.93E-03	6.94E-04	4.84E-04	1.96E-04
R59	3.23E-08	2.18E-03	7.87E-04	5.48E-04	2.22E-04
R60	3.02E-08	2.04E-03	7.34E-04	5.12E-04	2.07E-04
R61	3.05E-08	2.06E-03	7.42E-04	5.18E-04	2.09E-04
R62	2.98E-08	2.02E-03	7.27E-04	5.07E-04	2.05E-04
R63	3.11E-08	2.10E-03	7.57E-04	5.28E-04	2.14E-04
R64	2.52E-08	1.70E-03	6.12E-04	4.27E-04	1.73E-04
R65	3.06E-08	2.07E-03	7.44E-04	5.19E-04	2.10E-04
R66	2.89E-08	1.95E-03	7.03E-04	4.90E-04	1.98E-04
R67	2.84E-08	1.92E-03	6.92E-04	4.83E-04	1.95E-04
R68	2.03E-08	1.37E-03	4.95E-04	3.45E-04	1.40E-04
R69	2.03E-08	1.37E-03	4.94E-04	3.44E-04	1.39E-04

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	2.47E-08	1.67E-03	6.02E-04	4.20E-04	1.70E-04
R71	3.42E-08	2.31E-03	8.32E-04	5.80E-04	2.35E-04
R72	3.83E-08	2.59E-03	9.33E-04	6.51E-04	2.63E-04
R73	5.12E-08	3.46E-03	1.25E-03	8.69E-04	3.52E-04
R74	3.51E-08	2.37E-03	8.53E-04	5.95E-04	2.41E-04
R75	2.62E-08	1.77E-03	6.37E-04	4.45E-04	1.80E-04
R76	2.52E-08	1.70E-03	6.12E-04	4.27E-04	1.73E-04
R77	3.28E-08	2.22E-03	7.97E-04	5.56E-04	2.25E-04
R78	3.01E-08	2.04E-03	7.33E-04	5.11E-04	2.07E-04
R79	2.93E-08	1.98E-03	7.13E-04	4.97E-04	2.01E-04
R80	1.97E-08	1.33E-03	4.80E-04	3.35E-04	1.35E-04
R81	2.89E-08	1.95E-03	7.03E-04	4.90E-04	1.98E-04
R82	3.09E-08	2.09E-03	7.52E-04	5.25E-04	2.12E-04
R83	3.21E-08	2.17E-03	7.82E-04	5.45E-04	2.21E-04
R84	3.22E-08	2.18E-03	7.85E-04	5.47E-04	2.21E-04
R85	2.67E-08	1.81E-03	6.50E-04	4.53E-04	1.83E-04
R86	2.94E-08	1.99E-03	7.16E-04	4.99E-04	2.02E-04
R87	2.68E-08	1.81E-03	6.53E-04	4.55E-04	1.84E-04
R88	2.76E-08	1.87E-03	6.72E-04	4.68E-04	1.90E-04
R89	2.56E-08	1.73E-03	6.22E-04	4.34E-04	1.76E-04
R90	2.19E-08	1.48E-03	5.33E-04	3.72E-04	1.51E-04
R91	2.44E-08	1.65E-03	5.93E-04	4.13E-04	1.67E-04
R92	2.41E-08	1.63E-03	5.86E-04	4.09E-04	1.65E-04
R93	2.78E-08	1.88E-03	6.76E-04	4.71E-04	1.91E-04
R94	2.51E-08	1.70E-03	6.12E-04	4.27E-04	1.73E-04
R95	2.48E-08	1.68E-03	6.04E-04	4.21E-04	1.71E-04
R96	2.58E-08	1.74E-03	6.28E-04	4.38E-04	1.77E-04
R97	2.37E-08	1.60E-03	5.76E-04	4.02E-04	1.63E-04
R98	2.28E-08	1.54E-03	5.56E-04	3.88E-04	1.57E-04
R99	2.73E-08	1.84E-03	6.64E-04	4.63E-04	1.87E-04
R100	2.55E-08	1.72E-03	6.21E-04	4.33E-04	1.75E-04
R101	2.14E-08	1.45E-03	5.22E-04	3.64E-04	1.47E-04
R102	2.39E-08	1.62E-03	5.82E-04	4.06E-04	1.64E-04
R103	2.14E-08	1.45E-03	5.21E-04	3.63E-04	1.47E-04
R104	1.70E-08	1.15E-03	4.14E-04	2.89E-04	1.17E-04
R105	1.31E-08	8.84E-04	3.18E-04	2.22E-04	8.98E-05
R106	1.76E-08	1.19E-03	4.28E-04	2.98E-04	1.21E-04

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	1.95E-08	1.32E-03	4.74E-04	3.31E-04	1.34E-04
R108	2.64E-08	1.78E-03	6.42E-04	4.48E-04	1.81E-04
R109	2.54E-08	1.71E-03	6.17E-04	4.30E-04	1.74E-04
R110	2.07E-08	1.40E-03	5.05E-04	3.52E-04	1.42E-04
R111	2.19E-08	1.48E-03	5.32E-04	3.71E-04	1.50E-04
R112	2.20E-08	1.49E-03	5.35E-04	3.73E-04	1.51E-04
R113	2.37E-08	1.60E-03	5.78E-04	4.03E-04	1.63E-04
R114	1.57E-08	1.06E-03	3.83E-04	2.67E-04	1.08E-04
R115	1.53E-08	1.04E-03	3.73E-04	2.60E-04	1.05E-04
R116	1.10E-08	7.42E-04	2.67E-04	1.86E-04	7.54E-05
R117	1.30E-08	8.77E-04	3.16E-04	2.20E-04	8.91E-05
R118	1.91E-08	1.29E-03	4.65E-04	3.24E-04	1.31E-04
R119	2.60E-08	1.76E-03	6.33E-04	4.41E-04	1.79E-04
R120	2.05E-08	1.39E-03	5.00E-04	3.48E-04	1.41E-04
R121	2.29E-08	1.55E-03	5.58E-04	3.89E-04	1.57E-04
R122	2.42E-08	1.64E-03	5.90E-04	4.11E-04	1.66E-04
R123	2.55E-08	1.73E-03	6.21E-04	4.33E-04	1.75E-04
R124	1.77E-08	1.20E-03	4.32E-04	3.01E-04	1.22E-04
R125	2.26E-08	1.53E-03	5.50E-04	3.83E-04	1.55E-04
R126	1.45E-08	9.80E-04	3.53E-04	2.46E-04	9.96E-05
R127	3.25E-08	2.20E-03	7.91E-04	5.52E-04	2.23E-04
R128	3.47E-08	2.35E-03	8.45E-04	5.89E-04	2.38E-04
Max. at boundary	1.28E-07	8.68E-03	—	—	8.82E-04

Nitrogen dioxide (NO₂)

Maximum 1-hour concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.
Criterion			164
R1	3 279.5	10.2	3 289.7
R2	3 304.1	12.3	3 316.4
R3	2 956.2	12.3	2 968.5
R4	3 337.5	12.3	3 349.8
R5	2 430.1	8.2	2 438.3
R6	3 580.6	12.3	3 592.9
R7	2 044.7	12.3	2 057.0
R8	1 968.6	12.3	1 980.9
R9	1 916.9	10.2	1 927.1
R10	2 405.5	10.2	2 415.8
R11	1 861.8	10.2	1 872.1
R12	2 763.5	8.2	2 771.7
R13	2 919.0	8.2	2 927.2
R14	3 218.0	4.1	3 222.1
R15	1 832.5	10.2	1 842.7
R16	1 460.5	2.0	1 462.5
R17	1 734.8	2.0	1 736.8
R18	1 674.1	2.0	1 676.1
R19	1 174.5	< 0.1	1 174.5
R20	1 275.6	2.0	1 277.6
R21	1 270.4	2.0	1 272.4
R22	1 074.0	8.2	1 082.2
R23	1 162.7	2.0	1 164.8
R24	1 115.9	2.0	1 118.0
R25	1 046.2	10.2	1 056.4
R26	1 015.7	10.2	1 026.0
R27	691.9	10.2	702.2
R28	1 173.6	10.2	1 183.9
R29	1 152.8	8.2	1 161.0
R30	1 089.2	2.0	1 091.3

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R31	1 111.3	8.2	1 119.5
R32	1 103.0	10.2	1 113.3
R33	998.6	10.2	1 008.8
R34	1 014.6	10.2	1 024.8
R35	1 014.0	2.0	1 016.0
R36	1 603.5	2.0	1 605.6
R37	1 633.6	2.0	1 635.6
R38	2 036.0	2.0	2 038.0
R39	990.8	34.9	1 025.7
R40	1 824.0	34.9	1 858.8
R41	4 663.8	12.3	4 676.1
R42	2 428.9	6.1	2 435.1
R43	1 474.5	12.3	1 486.8
R44	1 673.8	12.3	1 686.1
R45	1 683.6	12.3	1 695.9
R46	1 023.1	10.2	1 033.3
R47	1 373.1	8.2	1 381.3
R48	1 603.9	8.2	1 612.1
R49	1 946.0	12.3	1 958.3
R50	1 409.1	10.2	1 419.4
R51	1 203.5	8.2	1 211.7
R52	1 510.5	12.3	1 522.8
R53	1 218.5	< 0.1	1 218.5
R54	1 132.9	10.2	1 143.1
R55	1 164.5	2.0	1 166.6
R56	1 330.1	10.2	1 340.4
R57	1 009.2	10.2	1 019.5
R58	1 092.8	6.1	1 099.0
R59	1 546.3	6.1	1 552.4
R60	1 226.7	6.1	1 232.9
R61	1 181.0	12.3	1 193.3
R62	1 356.4	4.1	1 360.5
R63	961.4	6.1	967.5
R64	1 049.3	8.2	1 057.5
R65	1 362.3	2.0	1 364.4

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R66	1 546.3	< 0.1	1 546.3
R67	1 055.6	6.1	1 061.7
R68	881.4	4.1	885.5
R69	732.4	4.1	736.5
R70	778.6	4.1	782.7
R71	1 356.1	10.2	1 366.4
R72	1 692.2	10.2	1 702.5
R73	1 833.8	10.2	1 844.0
R74	1 380.8	12.3	1 393.1
R75	1 147.9	< 0.1	1 147.9
R76	1 210.8	< 0.1	1 210.8
R77	1 576.4	4.1	1 580.5
R78	1 531.8	4.1	1 535.9
R79	1 204.4	12.3	1 216.7
R80	881.0	10.2	891.3
R81	1 535.8	6.1	1 542.0
R82	1 426.5	16.4	1 442.9
R83	1 810.3	22.6	1 832.9
R84	1 394.6	4.1	1 398.7
R85	1 709.0	4.1	1 713.1
R86	1 717.9	4.1	1 722.0
R87	1 403.7	10.2	1 414.0
R88	1 057.1	12.3	1 069.4
R89	1 024.9	14.3	1 039.3
R90	1 080.0	8.2	1 088.2
R91	1 350.2	10.2	1 360.5
R92	1 060.0	8.2	1 068.2
R93	1 240.7	12.3	1 253.0
R94	1 371.7	4.1	1 375.8
R95	1 181.3	12.3	1 193.6
R96	1 217.4	8.2	1 225.6
R97	1 447.8	12.3	1 460.1
R98	1 068.8	2.0	1 070.8
R99	1 420.8	2.0	1 422.9
R100	1 113.7	6.1	1 119.8

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R101	1 072.2	8.2	1 080.4
R102	1 155.0	2.0	1 157.0
R103	1 062.5	< 0.1	1 062.5
R104	1 027.7	10.2	1 037.9
R105	614.5	4.1	618.6
R106	863.7	10.2	874.0
R107	980.1	6.1	986.3
R108	1 457.8	< 0.1	1 457.8
R109	1 418.9	2.0	1 420.9
R110	1 309.5	< 0.1	1 309.5
R111	1 065.8	4.1	1 069.9
R112	1 468.9	2.0	1 471.0
R113	1 565.2	2.0	1 567.2
R114	898.0	6.1	904.2
R115	933.8	6.1	939.9
R116	689.7	10.2	699.9
R117	900.8	4.1	904.9
R118	1 250.9	2.0	1 252.9
R119	990.7	2.0	992.7
R120	1 606.2	2.0	1 608.3
R121	1 014.4	20.5	1 034.9
R122	1 141.9	10.2	1 152.1
R123	1 200.5	< 0.1	1 200.5
R124	1 007.5	< 0.1	1 007.5
R125	1 177.1	< 0.1	1 177.1
R126	1 072.5	< 0.1	1 072.5
R127	1 186.9	10.2	1 197.2
R128	1 374.7	12.3	1 387.0

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	25 391.6	27/09/2021 06:00	2 539.2	0.16	1.09	0.635	0.1	0.03	3 279.5	10.2	3 289.7
R2	27 910.9	02/10/2021 06:00	2 791.1	0.62	< 0.1	0.635	0.1	0.02	3 304.1	12.3	3 316.4
R3	24 370.3	02/10/2021 06:00	2 437.0	0.62	< 0.1	0.635	0.1	0.02	2 956.2	12.3	2 968.5
R4	28 257.8	02/10/2021 06:00	2 825.8	0.62	< 0.1	0.635	0.1	0.02	3 337.5	12.3	3 349.8
R5	18 538.5	29/04/2021 07:00	1 853.9	0.34	< 0.1	0.635	0.1	0.03	2 430.1	8.2	2 438.3
R6	28 011.2	02/10/2021 06:00	2 801.1	0.62	< 0.1	0.635	0.1	0.03	3 580.6	12.3	3 592.9
R7	14 096.1	02/10/2021 06:00	1 409.6	0.62	< 0.1	0.635	0.1	0.05	2 044.7	12.3	2 057.0
R8	12 888.8	25/09/2021 06:00	1 288.9	0.53	4.36	0.635	0.1	0.06	1 968.6	12.3	1 980.9
R9	13 050.4	27/09/2021 06:00	1 305.0	0.16	1.09	0.635	0.1	0.05	1 916.9	10.2	1 927.1
R10	17 284.9	27/09/2021 06:00	1 728.5	0.16	1.09	0.635	0.1	0.04	2 405.5	10.2	2 415.8
R11	13 535.1	27/09/2021 06:00	1 353.5	0.16	1.09	0.635	0.1	0.04	1 861.8	10.2	1 872.1
R12	24 455.7	19/08/2021 07:00	2 445.6	0.16	4.36	0.49	0.05	0.01	2 763.5	8.2	2 771.7
R13	25 800.0	19/08/2021 07:00	2 580.0	0.16	4.36	0.49	0.05	0.01	2 919.0	8.2	2 927.2
R14	30 082.4	20/08/2021 07:00	3 008.2	< 0.1	1.09	0.49	0.05	0.01	3 218.0	4.1	3 222.1
R15	16 128.7	16/06/2021 08:00	1 612.9	0.19	< 0.1	0.49	0.05	0.02	1 832.5	10.2	1 842.7
R16	4 130.5	12/09/2021 17:00	413.1	3.62	45.78	0.85	0.1	0.28	1 460.5	2.0	1 462.5
R17	4 296.0	15/11/2021 04:00	429.6	2.57	22.89	0.74	0.1	0.34	1 734.8	2.0	1 736.8
R18	4 180.8	15/11/2021 04:00	418.1	2.57	22.89	0.74	0.1	0.33	1 674.1	2.0	1 676.1
R19	4 502.3	02/01/2021 05:00	450.2	1.04	6.54	0.67	0.1	0.18	1 174.5	< 0.1	1 174.5
R20	4 410.9	14/09/2021 06:00	441.1	2.12	25.07	0.74	0.1	0.21	1 275.6	2.0	1 277.6
R21	4 239.1	14/09/2021 06:00	423.9	2.12	25.07	0.74	0.1	0.22	1 270.4	2.0	1 272.4
R22	3 204.8	20/05/2021 17:00	320.5	1.16	22.89	0.74	0.1	0.26	1 074.0	8.2	1 082.2
R23	3 324.1	21/09/2021 17:00	332.4	2.19	32.70	0.8	0.1	0.28	1 162.7	2.0	1 164.8
R24	3 125.9	21/09/2021 17:00	312.6	2.19	32.70	0.8	0.1	0.29	1 115.9	2.0	1 118.0
R25	3 071.0	22/12/2021 01:00	307.1	1.13	37.61	0.74	0.1	0.27	1 046.2	10.2	1 056.4
R26	2 909.9	22/12/2021 00:00	291.0	1.77	37.61	0.74	0.1	0.28	1 015.7	10.2	1 026.0
R27	2 113.6	19/12/2021 20:00	211.4	2.07	37.61	0.74	0.1	0.25	691.9	10.2	702.2
R28	3 826.3	16/12/2021 05:00	382.6	1.29	37.61	0.74	0.1	0.23	1 173.6	10.2	1 183.9
R29	3 697.5	20/05/2021 17:00	369.7	1.16	22.89	0.74	0.1	0.24	1 152.8	8.2	1 161.0
R30	3 477.6	14/09/2021 06:00	347.8	2.12	25.07	0.74	0.1	0.24	1 089.2	2.0	1 091.3
R31	4 710.1	06/09/2021 17:00	471.0	1.76	30.52	0.8	0.1	0.15	1 111.3	8.2	1 119.5
R32	3 741.6	22/12/2021 00:00	374.2	1.77	37.61	0.74	0.1	0.22	1 103.0	10.2	1 113.3

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	2 836.3	22/12/2021 01:00	283.6	1.13	37.61	0.74	0.1	0.28	998.6	10.2	1 008.8
R34	2 894.6	22/12/2021 01:00	289.5	1.13	37.61	0.74	0.1	0.28	1 014.6	10.2	1 024.8
R35	2 995.5	21/11/2021 05:00	299.6	1.53	20.71	0.74	0.1	0.26	1 014.0	2.0	1 016.0
R36	4 125.1	15/11/2021 04:00	412.5	2.57	22.89	0.74	0.1	0.32	1 603.5	2.0	1 605.6
R37	4 141.2	15/11/2021 04:00	414.1	2.57	22.89	0.74	0.1	0.33	1 633.6	2.0	1 635.6
R38	11 547.9	14/04/2021 17:00	1 154.8	2.57	28.34	0.74	0.1	0.08	2 036.0	2.0	2 038.0
R39	7 382.2	16/08/2021 07:00	738.2	0.22	1.09	0.49	0.05	0.04	990.8	34.9	1 025.7
R40	16 275.1	16/08/2021 07:00	1 627.5	0.22	1.09	0.49	0.05	0.01	1 824.0	34.9	1 858.8
R41	34 198.8	02/10/2021 06:00	3 419.9	0.62	< 0.1	0.635	0.1	0.04	4 663.8	12.3	4 676.1
R42	15 050.8	03/10/2021 06:00	1 505.1	0.13	< 0.1	0.635	0.1	0.07	2 428.9	6.1	2 435.1
R43	8 071.5	25/09/2021 06:00	807.1	0.53	4.36	0.635	0.1	0.09	1 474.5	12.3	1 486.8
R44	10 163.5	10/02/2021 18:00	1 016.3	2.15	15.26	0.67	0.1	0.07	1 673.8	12.3	1 686.1
R45	9 605.7	10/02/2021 18:00	960.6	2.15	15.26	0.67	0.1	0.08	1 683.6	12.3	1 695.9
R46	5 613.3	21/12/2021 23:00	561.3	2.45	37.61	0.74	0.1	0.09	1 023.1	10.2	1 033.3
R47	8 703.4	30/04/2021 07:00	870.3	0.29	< 0.1	0.635	0.1	0.06	1 373.1	8.2	1 381.3
R48	10 350.2	29/04/2021 07:00	1 035.0	0.34	< 0.1	0.635	0.1	0.06	1 603.9	8.2	1 612.1
R49	11 159.3	25/09/2021 06:00	1 115.9	0.53	4.36	0.635	0.1	0.08	1 946.0	12.3	1 958.3
R50	7 354.2	20/12/2021 05:00	735.4	0.77	37.61	0.74	0.1	0.10	1 409.1	10.2	1 419.4
R51	5 846.6	10/02/2021 06:00	584.7	1.29	1.09	0.67	0.1	0.12	1 203.5	8.2	1 211.7
R52	6 435.0	25/09/2021 06:00	643.5	0.53	4.36	0.635	0.1	0.15	1 510.5	12.3	1 522.8
R53	5 343.2	02/01/2021 05:00	534.3	1.04	6.54	0.67	0.1	0.14	1 218.5	< 0.1	1 218.5
R54	4 363.3	22/12/2021 00:00	436.3	1.77	37.61	0.74	0.1	0.18	1 132.9	10.2	1 143.1
R55	4 316.2	21/09/2021 17:00	431.6	2.19	32.70	0.8	0.1	0.19	1 164.5	2.0	1 166.6
R56	4 967.9	16/12/2021 05:00	496.8	1.29	37.61	0.74	0.1	0.19	1 330.1	10.2	1 340.4
R57	4 192.0	21/12/2021 23:00	419.2	2.45	37.61	0.74	0.1	0.16	1 009.2	10.2	1 019.5
R58	4 414.5	22/11/2021 18:00	441.5	2.59	20.71	0.74	0.1	0.16	1 092.8	6.1	1 099.0
R59	6 523.0	16/11/2021 18:00	652.3	2.27	27.25	0.74	0.1	0.15	1 546.3	6.1	1 552.4
R60	3 900.3	18/01/2021 18:00	390.0	2.27	49.05	0.81	0.15	0.24	1 226.7	6.1	1 232.9
R61	5 377.3	03/02/2021 18:00	537.7	2.28	19.62	0.67	0.1	0.13	1 181.0	12.3	1 193.3
R62	6 450.5	01/05/2021 07:00	645.1	0.18	< 0.1	0.635	0.1	0.12	1 356.4	4.1	1 360.5
R63	5 247.9	09/04/2021 07:00	524.8	0.45	< 0.1	0.635	0.1	0.09	961.4	6.1	967.5
R64	3 808.1	08/10/2021 17:00	380.8	2.19	38.15	0.8	0.1	0.20	1 049.3	8.2	1 057.5
R65	4 633.6	15/11/2021 04:00	463.4	2.57	22.89	0.74	0.1	0.22	1 362.3	2.0	1 364.4
R66	5 970.3	25/07/2021 06:00	597.0	3.83	32.70	0.87	0.07	0.18	1 546.3	< 0.1	1 546.3
R67	3 920.2	14/04/2021 19:00	392.0	1.07	23.98	0.74	0.1	0.19	1 055.6	6.1	1 061.7
R68	3 935.0	20/04/2021 07:00	393.5	< 0.1	< 0.1	0.635	0.1	0.14	881.4	4.1	885.5

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	3 291.5	14/04/2021 07:00	329.1	< 0.1	< 0.1	0.635	0.1	0.14	732.4	4.1	736.5
R70	3 903.9	14/04/2021 07:00	390.4	< 0.1	< 0.1	0.635	0.1	0.11	778.6	4.1	782.7
R71	8 098.0	12/02/2021 06:00	809.8	0.23	< 0.1	0.67	0.1	0.07	1 356.1	10.2	1 366.4
R72	9 639.7	12/02/2021 06:00	964.0	0.23	< 0.1	0.67	0.1	0.08	1 692.2	10.2	1 702.5
R73	11 084.1	19/12/2021 05:00	1 108.4	0.64	37.61	0.74	0.1	0.07	1 833.8	10.2	1 844.0
R74	7 190.6	04/08/2021 07:00	719.1	1.88	25.07	0.83	0.07	0.10	1 380.8	12.3	1 393.1
R75	4 644.4	26/06/2021 16:00	464.4	1.73	29.43	0.83	0.07	0.16	1 147.9	< 0.1	1 147.9
R76	4 023.4	05/10/2021 20:00	402.3	2.56	31.61	0.8	0.1	0.22	1 210.8	< 0.1	1 210.8
R77	7 655.8	01/05/2021 07:00	765.6	0.18	< 0.1	0.635	0.1	0.12	1 576.4	4.1	1 580.5
R78	7 164.4	03/01/2021 06:00	716.4	< 0.1	2.18	0.67	0.1	0.13	1 531.8	4.1	1 535.9
R79	5 227.8	03/02/2021 18:00	522.8	2.28	19.62	0.67	0.1	0.14	1 204.4	12.3	1 216.7
R80	3 042.8	19/12/2021 05:00	304.3	0.64	37.61	0.74	0.1	0.21	881.0	10.2	891.3
R81	6 423.0	19/02/2021 18:00	642.3	2.10	14.17	0.67	0.1	0.15	1 535.8	6.1	1 542.0
R82	5 976.9	14/12/2021 18:00	597.7	1.85	22.35	0.67	0.1	0.15	1 426.5	16.4	1 442.9
R83	6 527.4	01/09/2021 17:00	652.7	1.60	33.79	0.8	0.1	0.20	1 810.3	22.6	1 832.9
R84	5 186.6	28/03/2021 17:00	518.7	2.05	32.70	0.8	0.1	0.19	1 394.6	4.1	1 398.7
R85	7 327.1	03/01/2021 06:00	732.7	< 0.1	2.18	0.67	0.1	0.15	1 709.0	4.1	1 713.1
R86	7 636.2	03/01/2021 06:00	763.6	< 0.1	2.18	0.67	0.1	0.14	1 717.9	4.1	1 722.0
R87	4 143.7	02/12/2021 18:00	414.4	1.73	42.51	0.81	0.15	0.27	1 403.7	10.2	1 414.0
R88	2 482.7	12/01/2021 18:00	248.3	2.08	65.40	0.88	0.2	0.36	1 057.1	12.3	1 069.4
R89	2 888.8	12/01/2021 19:00	288.9	1.80	53.41	0.81	0.15	0.28	1 024.9	14.3	1 039.3
R90	3 479.0	08/10/2021 17:00	347.9	2.19	38.15	0.8	0.1	0.23	1 080.0	8.2	1 088.2
R91	3 731.8	02/12/2021 18:00	373.2	1.73	42.51	0.81	0.15	0.29	1 350.2	10.2	1 360.5
R92	3 605.1	08/10/2021 17:00	360.5	2.19	38.15	0.8	0.1	0.22	1 060.0	8.2	1 068.2
R93	5 005.6	03/02/2021 18:00	500.6	2.28	19.62	0.67	0.1	0.16	1 240.7	12.3	1 253.0
R94	5 384.1	03/01/2021 06:00	538.4	< 0.1	2.18	0.67	0.1	0.17	1 371.7	4.1	1 375.8
R95	4 387.3	10/02/2021 20:00	438.7	1.42	10.90	0.67	0.1	0.19	1 181.3	12.3	1 193.6
R96	4 742.6	02/03/2021 06:00	474.3	0.83	2.18	0.635	0.1	0.17	1 217.4	8.2	1 225.6
R97	5 456.5	25/09/2021 06:00	545.6	0.53	4.36	0.635	0.1	0.18	1 447.8	12.3	1 460.1
R98	3 514.3	14/09/2021 06:00	351.4	2.12	25.07	0.74	0.1	0.23	1 068.8	2.0	1 070.8
R99	5 352.4	29/12/2021 05:00	535.2	1.11	4.36	0.67	0.1	0.18	1 420.8	2.0	1 422.9
R100	4 247.1	02/02/2021 18:00	424.7	2.02	18.53	0.67	0.1	0.18	1 113.7	6.1	1 119.8
R101	3 749.9	02/03/2021 06:00	375.0	0.83	2.18	0.635	0.1	0.21	1 072.2	8.2	1 080.4
R102	3 685.2	21/09/2021 17:00	368.5	2.19	32.70	0.8	0.1	0.24	1 155.0	2.0	1 157.0
R103	3 567.5	02/01/2021 05:00	356.8	1.04	6.54	0.67	0.1	0.22	1 062.5	< 0.1	1 062.5
R104	3 013.6	22/12/2021 00:00	301.4	1.77	37.61	0.74	0.1	0.27	1 027.7	10.2	1 037.9

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	2 282.3	18/10/2021 06:00	228.2	0.40	1.09	0.635	0.1	0.19	614.5	4.1	618.6
R106	2 936.9	19/12/2021 20:00	293.7	2.07	37.61	0.74	0.1	0.22	863.7	10.2	874.0
R107	3 308.8	09/09/2021 21:00	330.9	1.64	35.97	0.8	0.1	0.22	980.1	6.1	986.3
R108	5 158.6	25/07/2021 04:00	515.9	2.94	30.52	0.87	0.07	0.20	1 457.8	< 0.1	1 457.8
R109	4 472.6	13/11/2021 22:00	447.3	2.01	20.71	0.74	0.1	0.24	1 418.9	2.0	1 420.9
R110	4 016.4	25/07/2021 17:00	401.6	3.06	32.70	0.87	0.07	0.25	1 309.5	< 0.1	1 309.5
R111	3 493.2	13/11/2021 00:00	349.3	3.36	21.80	0.74	0.1	0.23	1 065.8	4.1	1 069.9
R112	4 404.8	15/11/2021 03:00	440.5	2.50	22.89	0.74	0.1	0.26	1 468.9	2.0	1 471.0
R113	4 280.8	19/09/2021 18:00	428.1	2.00	32.70	0.8	0.1	0.30	1 565.2	2.0	1 567.2
R114	2 419.5	09/09/2021 20:00	241.9	2.59	38.15	0.8	0.1	0.30	898.0	6.1	904.2
R115	2 726.8	09/09/2021 22:00	272.7	0.59	34.88	0.8	0.1	0.27	933.8	6.1	939.9
R116	2 045.3	19/12/2021 20:00	204.5	2.07	37.61	0.74	0.1	0.26	689.7	10.2	699.9
R117	2 720.9	28/07/2021 18:00	272.1	3.14	29.43	0.83	0.07	0.26	900.8	4.1	904.9
R118	2 978.7	12/09/2021 17:00	297.9	3.62	45.78	0.85	0.1	0.36	1 250.9	2.0	1 252.9
R119	3 759.0	13/11/2021 01:00	375.9	3.42	21.80	0.74	0.1	0.18	990.7	2.0	992.7
R120	4 219.2	15/11/2021 04:00	421.9	2.57	22.89	0.74	0.1	0.31	1 606.2	2.0	1 608.3
R121	3 564.7	29/05/2021 07:00	356.5	1.88	10.90	0.635	0.1	0.21	1 014.4	20.5	1 034.9
R122	3 929.0	14/05/2021 07:00	392.9	0.61	< 0.1	0.635	0.1	0.21	1 141.9	10.2	1 152.1
R123	3 462.7	15/05/2021 19:00	346.3	2.02	27.25	0.74	0.1	0.27	1 200.5	< 0.1	1 200.5
R124	2 641.7	05/10/2021 18:00	264.2	3.80	32.70	0.8	0.1	0.31	1 007.5	< 0.1	1 007.5
R125	3 335.6	26/05/2021 17:00	333.6	1.51	29.43	0.74	0.1	0.28	1 177.1	< 0.1	1 177.1
R126	2 589.2	05/10/2021 20:00	258.9	2.56	31.61	0.8	0.1	0.35	1 072.5	< 0.1	1 072.5
R127	5 282.7	16/12/2021 05:00	528.3	1.29	37.61	0.74	0.1	0.14	1 186.9	10.2	1 197.2
R128	6 691.8	25/09/2021 06:00	669.2	0.53	4.36	0.635	0.1	0.12	1 374.7	12.3	1 387.0

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R41				Highest cumulative PM ₁₀ impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
14/05/2021	137.1	9.5	146.6	14/05/2021	137.1	9.5	146.6
18/07/2021	132.4	5.7	138.1	05/10/2021	131.7	14.0	145.7
05/10/2021	131.7	14.0	145.7	18/07/2021	132.4	5.7	138.1
05/08/2021	125.7	7.8	133.5	05/08/2021	125.7	7.8	133.5
27/05/2021	113.8	9.3	123.1	06/08/2021	111.3	15.4	126.7
16/05/2021	112.9	7.9	120.8	27/05/2021	113.8	9.3	123.1
02/10/2021	112.0	8.0	120.0	23/04/2021	91.7	29.9	121.6
25/08/2021	111.8	5.4	117.2	16/05/2021	112.9	7.9	120.8
06/08/2021	111.3	15.4	126.7	02/10/2021	112.0	8.0	120.0
04/08/2021	111.3	5.6	116.9	25/08/2021	111.8	5.4	117.2

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	122.0	12.3	134.3	21/03/2021	122.0	12.3	134.3
22/03/2021	117.3	5.9	123.2	22/03/2021	117.3	5.9	123.2
19/02/2021	109.1	13.4	122.5	19/02/2021	109.1	13.4	122.5
29/01/2021	92.1	8.2	100.3	10/03/2021	84.0	21.1	105.1
10/03/2021	84.0	21.1	105.1	29/01/2021	92.1	8.2	100.3
02/11/2021	77.4	19.1	96.5	10/02/2021	74.5	23.8	98.3
20/02/2021	74.9	11.4	86.3	02/11/2021	77.4	19.1	96.5
10/02/2021	74.5	23.8	98.3	20/02/2021	74.9	11.4	86.3
09/11/2021	71.5	13.4	84.9	28/02/2021	64.4	21.6	86.0
24/12/2021	68.6	13.5	82.1	09/11/2021	71.5	13.4	84.9

Highest incremental PM ₁₀ impact – Receptor R42				Highest cumulative PM ₁₀ impact – Receptor R42			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
14/05/2021	114.6	9.5	124.1	14/05/2021	114.6	9.5	124.1
18/07/2021	107.7	5.7	113.4	05/08/2021	107.1	7.8	114.9
05/08/2021	107.1	7.8	114.9	18/07/2021	107.7	5.7	113.4
27/05/2021	95.5	9.3	104.8	27/05/2021	95.5	9.3	104.8
25/08/2021	87.3	5.4	92.7	06/08/2021	82.3	15.4	97.7
06/08/2021	82.3	15.4	97.7	23/04/2021	67.4	29.9	97.3
05/07/2021	81.5	10.9	92.4	25/08/2021	87.3	5.4	92.7
11/04/2021	75.7	9.5	85.2	05/07/2021	81.5	10.9	92.4
16/05/2021	72.9	7.9	80.8	11/04/2021	75.7	9.5	85.2
04/06/2021	71.4	8.8	80.2	13/05/2021	70.5	13.2	83.7

Highest incremental PM ₁₀ impact – Receptor R6				Highest cumulative PM ₁₀ impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/08/2021	111.0	7.8	118.8	17/03/2021	107.2	13.5	120.7
14/05/2021	108.0	9.5	117.5	18/03/2021	106.3	9.1	115.4
27/05/2021	106.9	9.3	116.2	19/03/2021	101.2	13.8	115.0
25/08/2021	98.6	5.4	104.0	11/11/2021	100.2	14.5	114.7
18/07/2021	97.4	5.7	103.1	28/01/2021	87.0	16.0	103.0
05/07/2021	96.2	10.9	107.1	09/02/2021	76.7	19.8	96.5
06/08/2021	88.8	15.4	104.2	20/03/2021	86.6	9.9	96.5
04/06/2021	88.2	8.8	97.0	17/02/2021	80.8	14.1	94.9
23/04/2021	85.3	29.9	115.2	06/03/2021	68.9	25.7	94.6
28/05/2021	83.4	14.3	97.7	18/02/2021	80.6	13.9	94.5

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
17/03/2021	107.2	13.5	120.7	02/03/2021	85.4	33.8	119.2
18/03/2021	106.3	9.1	115.4	05/03/2021	83.9	32.7	116.6
19/03/2021	101.2	13.8	115.0	25/09/2021	86.6	27.9	114.5
11/11/2021	100.2	14.5	114.7	06/03/2021	88.7	25.7	114.4
28/01/2021	87.0	16.0	103.0	17/08/2021	92.5	19.9	112.4
20/03/2021	86.6	9.9	96.5	16/04/2021	80.5	29.9	110.4
17/02/2021	80.8	14.1	94.9	19/03/2021	94.6	13.8	108.4
18/02/2021	80.6	13.9	94.5	17/02/2021	93.2	14.1	107.3
09/02/2021	76.7	19.8	96.5	16/12/2021	86.7	20.0	106.7
22/12/2021	75.8	15.1	90.9	08/02/2021	87.3	18.8	106.1

Highest incremental PM ₁₀ impact – Receptor R44				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	106.5	12.3	118.8	06/03/2021	93.4	25.7	119.1
19/02/2021	60.7	13.4	74.1	17/02/2021	104.5	14.1	118.6
09/11/2021	46.7	13.4	60.1	19/03/2021	104.7	13.8	118.5
28/02/2021	42.3	21.6	63.9	17/03/2021	102.3	13.5	115.8
10/02/2021	40.6	23.8	64.4	28/01/2021	99.1	16.0	115.1
10/03/2021	40.4	21.1	61.5	18/03/2021	105.6	9.1	114.7
29/01/2021	39.8	8.2	48.0	09/02/2021	91.9	19.8	111.7
06/04/2021	38.8	22.4	61.2	16/12/2021	89.9	20.0	109.9
17/01/2021	38.3	25.5	63.8	22/11/2021	91.4	18.0	109.4
24/12/2021	37.2	13.5	50.7	27/01/2021	97.9	11.1	109.0

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R44			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
18/03/2021	105.6	9.1	114.7	21/03/2021	106.5	12.3	118.8
19/03/2021	104.7	13.8	118.5	19/02/2021	60.7	13.4	74.1
17/02/2021	104.5	14.1	118.6	10/02/2021	40.6	23.8	64.4
17/03/2021	102.3	13.5	115.8	28/02/2021	42.3	21.6	63.9
28/01/2021	99.1	16.0	115.1	17/01/2021	38.3	25.5	63.8
27/01/2021	97.9	11.1	109.0	10/03/2021	40.4	21.1	61.5
26/12/2021	93.7	14.9	108.6	06/04/2021	38.8	22.4	61.2
06/03/2021	93.4	25.7	119.1	09/11/2021	46.7	13.4	60.1
26/11/2021	93.2	6.4	99.6	04/05/2021	1.2	54.9	56.1
28/12/2021	92.7	10.1	102.8	27/04/2021	18.0	35.4	53.4

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	103.4	12.3	115.7	05/08/2021	111.0	7.8	118.8
11/11/2021	94.7	14.5	109.2	14/05/2021	108.0	9.5	117.5
20/03/2021	88.0	9.9	97.9	27/05/2021	106.9	9.3	116.2
17/03/2021	87.5	13.5	101.0	23/04/2021	85.3	29.9	115.2
12/10/2021	83.8	8.9	92.6	05/07/2021	96.2	10.9	107.1
18/02/2021	77.9	13.9	91.8	06/08/2021	88.8	15.4	104.2
18/03/2021	76.6	9.1	85.7	25/08/2021	98.6	5.4	104.0
21/10/2021	76.2	16.5	92.7	16/01/2021	79.0	25.0	104.0
21/12/2021	75.9	15.9	91.8	18/07/2021	97.4	5.7	103.1
21/02/2021	71.8	9.1	80.9	17/08/2021	81.5	19.9	101.4

Highest incremental PM ₁₀ impact – Receptor R13				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/03/2021	95.4	5.9	101.3	02/03/2021	82.8	33.8	116.6
20/02/2021	73.4	11.4	84.8	05/03/2021	83.5	32.7	116.2
02/11/2021	65.4	19.1	84.5	25/09/2021	87.3	27.9	115.2
02/12/2021	64.6	15.0	79.6	17/08/2021	94.1	19.9	114.0
03/11/2021	63.7	17.8	81.5	06/03/2021	86.0	25.7	111.7
17/12/2021	62.8	19.2	82.0	16/12/2021	87.9	20.0	107.9
29/01/2021	61.2	8.2	69.4	16/04/2021	77.1	29.9	107.0
17/11/2021	60.4	21.5	81.9	08/02/2021	87.4	18.8	106.2
13/01/2021	60.3	19.0	79.3	19/01/2021	74.4	30.0	104.4
05/11/2021	59.0	9.8	68.8	17/02/2021	90.3	14.1	104.4

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	94.6	13.8	108.4	21/03/2021	103.4	12.3	115.7
17/02/2021	93.2	14.1	107.3	11/11/2021	94.7	14.5	109.2
17/08/2021	92.5	19.9	112.4	17/03/2021	87.5	13.5	101.0
27/01/2021	90.2	11.1	101.3	20/03/2021	88.0	9.9	97.9
18/03/2021	89.3	9.1	98.4	27/04/2021	61.4	35.4	96.8
06/03/2021	88.7	25.7	114.4	21/10/2021	76.2	16.5	92.7
28/01/2021	88.3	16.0	104.3	12/10/2021	83.8	8.9	92.6
08/02/2021	87.3	18.8	106.1	14/12/2021	70.4	21.6	92.0
16/12/2021	86.7	20.0	106.7	21/12/2021	75.9	15.9	91.8
08/01/2021	86.7	13.7	100.4	18/02/2021	77.9	13.9	91.8

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R41				Highest cumulative PM _{2.5} impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
14/05/2021	137.1	3.8	140.9	14/05/2021	137.1	3.8	140.9
18/07/2021	132.4	1.6	134.0	05/10/2021	131.7	3.8	135.5
05/10/2021	131.7	3.8	135.5	18/07/2021	132.4	1.6	134.0
05/08/2021	125.7	4.7	130.4	05/08/2021	125.7	4.7	130.4
27/05/2021	113.8	2.4	116.2	06/08/2021	111.3	6.2	117.5
16/05/2021	112.9	3.1	116.0	27/05/2021	113.8	2.4	116.2
02/10/2021	112.0	2.9	114.9	16/05/2021	112.9	3.1	116.0
25/08/2021	111.8	2.9	114.7	02/10/2021	112.0	2.9	114.9
06/08/2021	111.3	6.2	117.5	25/08/2021	111.8	2.9	114.7
04/08/2021	111.3	1.8	113.1	04/08/2021	111.3	1.8	113.1

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	122.0	4.9	126.9	21/03/2021	122.0	4.9	126.9
22/03/2021	117.3	2.4	119.7	22/03/2021	117.3	2.4	119.7
19/02/2021	109.1	2.9	112.0	19/02/2021	109.1	2.9	112.0
29/01/2021	92.1	4.3	96.4	29/01/2021	92.1	4.3	96.4
10/03/2021	84.0	4.9	88.9	10/03/2021	84.0	4.9	88.9
02/11/2021	77.4	3.5	80.9	02/11/2021	77.4	3.5	80.9
20/02/2021	74.9	2.0	76.9	10/02/2021	74.5	6.4	80.9
10/02/2021	74.5	6.4	80.9	20/02/2021	74.9	2.0	76.9
09/11/2021	71.5	4.4	75.9	09/11/2021	71.5	4.4	75.9
24/12/2021	68.6	5.9	74.5	24/12/2021	68.6	5.9	74.5

Highest incremental PM _{2.5} impact – Receptor R42				Highest cumulative PM _{2.5} impact – Receptor R42			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
14/05/2021	114.6	3.8	118.4	14/05/2021	114.6	3.8	118.4
18/07/2021	107.7	1.6	109.3	05/08/2021	107.1	4.7	111.8
05/08/2021	107.1	4.7	111.8	18/07/2021	107.7	1.6	109.3
27/05/2021	95.5	2.4	97.9	27/05/2021	95.5	2.4	97.9
25/08/2021	87.3	2.9	90.2	25/08/2021	87.3	2.9	90.2
06/08/2021	82.3	6.2	88.5	06/08/2021	82.3	6.2	88.5
05/07/2021	81.5	6.2	87.7	05/07/2021	81.5	6.2	87.7
11/04/2021	75.7	3.8	79.5	23/04/2021	67.4	19.5	86.9
16/05/2021	72.9	3.1	76.0	11/04/2021	75.7	3.8	79.5
04/06/2021	71.4	5.7	77.1	04/06/2021	71.4	5.7	77.1

Highest incremental PM _{2.5} impact – Receptor R6				Highest cumulative PM _{2.5} impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/08/2021	111.0	4.7	115.7	05/08/2021	111.0	4.7	115.7
14/05/2021	108.0	3.8	111.8	14/05/2021	108.0	3.8	111.8
27/05/2021	106.9	2.4	109.3	27/05/2021	106.9	2.4	109.3
25/08/2021	98.6	2.9	101.5	23/04/2021	85.3	19.5	104.8
18/07/2021	97.4	1.6	99.0	05/07/2021	96.2	6.2	102.4
05/07/2021	96.2	6.2	102.4	25/08/2021	98.6	2.9	101.5
06/08/2021	88.8	6.2	95.0	18/07/2021	97.4	1.6	99.0
04/06/2021	88.2	5.7	93.9	06/08/2021	88.8	6.2	95.0
23/04/2021	85.3	19.5	104.8	04/06/2021	88.2	5.7	93.9
28/05/2021	83.4	4.9	88.3	16/01/2021	79.0	9.4	88.4

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R44			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
17/03/2021	107.2	3.3	110.5	21/03/2021	106.5	4.9	111.4
18/03/2021	106.3	2.5	108.8	19/02/2021	60.7	2.9	63.7
19/03/2021	101.2	2.9	104.1	09/11/2021	46.7	4.4	51.1
11/11/2021	100.2	3.6	103.8	28/02/2021	42.3	7.8	50.1
28/01/2021	87.0	8.3	95.3	10/02/2021	40.6	6.4	47.0
20/03/2021	86.6	1.5	88.1	06/04/2021	38.8	7.1	45.9
17/02/2021	80.8	4.8	85.6	17/01/2021	38.3	7.2	45.5
18/02/2021	80.6	3.9	84.4	10/03/2021	40.4	4.9	45.3
09/02/2021	76.7	8.3	85.0	29/01/2021	39.8	4.3	44.1
22/12/2021	75.8	4.4	80.2	24/12/2021	37.2	5.9	43.1

Highest incremental PM _{2.5} impact – Receptor R44				Highest cumulative PM _{2.5} impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	106.5	4.9	111.4	17/03/2021	107.2	3.3	110.5
19/02/2021	60.7	2.9	63.7	18/03/2021	106.3	2.5	108.8
09/11/2021	46.7	4.4	51.1	19/03/2021	101.2	2.9	104.1
28/02/2021	42.3	7.8	50.1	11/11/2021	100.2	3.6	103.8
10/02/2021	40.6	6.4	47.0	28/01/2021	87.0	8.3	95.3
10/03/2021	40.4	4.9	45.3	20/03/2021	86.6	1.5	88.1
29/01/2021	39.8	4.3	44.1	17/02/2021	80.8	4.8	85.6
06/04/2021	38.8	7.1	45.9	09/02/2021	76.7	8.3	85.0
17/01/2021	38.3	7.2	45.5	18/02/2021	80.6	3.9	84.4
24/12/2021	37.2	5.9	43.1	22/12/2021	75.8	4.4	80.2

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
18/03/2021	105.6	2.5	108.1	17/02/2021	104.5	4.8	109.2
19/03/2021	104.7	2.9	107.6	18/03/2021	105.6	2.5	108.1
17/02/2021	104.5	4.8	109.2	19/03/2021	104.7	2.9	107.6
17/03/2021	102.3	3.3	105.6	28/01/2021	99.1	8.3	107.4
28/01/2021	99.1	8.3	107.4	17/03/2021	102.3	3.3	105.6
27/01/2021	97.9	7.0	104.9	27/01/2021	97.9	7.0	104.9
26/12/2021	93.7	5.8	99.5	06/03/2021	93.4	6.9	100.3
06/03/2021	93.4	6.9	100.3	09/02/2021	91.9	8.3	100.2
26/11/2021	93.2	1.9	95.1	26/12/2021	93.7	5.8	99.5
28/12/2021	92.7	1.2	93.9	16/12/2021	89.9	6.6	96.5

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	103.4	4.9	108.3	21/03/2021	103.4	4.9	108.3
11/11/2021	94.7	3.6	98.3	11/11/2021	94.7	3.6	98.3
20/03/2021	88.0	1.5	89.5	17/03/2021	87.5	3.3	90.8
17/03/2021	87.5	3.3	90.8	20/03/2021	88.0	1.5	89.5
12/10/2021	83.8	3.5	87.2	12/10/2021	83.8	3.5	87.2
18/02/2021	77.9	3.9	81.7	18/02/2021	77.9	3.9	81.7
18/03/2021	76.6	2.5	79.1	21/10/2021	76.2	4.7	80.9
21/10/2021	76.2	4.7	80.9	21/12/2021	75.9	3.7	79.5
21/12/2021	75.9	3.7	79.5	18/03/2021	76.6	2.5	79.1
21/02/2021	71.8	1.2	73.0	14/12/2021	70.4	4.5	74.9

Highest incremental PM _{2.5} impact – Receptor R13				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/03/2021	95.4	2.4	97.8	27/01/2021	92.0	7.0	99.0
20/02/2021	73.4	2.0	75.4	17/08/2021	94.1	4.5	98.6
02/11/2021	65.4	3.5	68.9	17/02/2021	90.3	4.8	95.0
02/12/2021	64.6	3.9	68.5	16/12/2021	87.9	6.6	94.5
03/11/2021	63.7	2.7	66.4	08/02/2021	87.4	6.6	94.0
17/12/2021	62.8	5.1	67.9	25/09/2021	87.3	6.2	93.5
29/01/2021	61.2	4.3	65.5	06/03/2021	86.0	6.9	92.9
17/11/2021	60.4	4.5	64.9	26/11/2021	89.9	1.9	91.8
13/01/2021	60.3	3.3	63.6	02/03/2021	82.8	8.0	90.8
05/11/2021	59.0	3.7	62.7	08/01/2021	88.0	2.8	90.8

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	94.6	2.9	97.5	17/02/2021	93.2	4.8	97.9
17/02/2021	93.2	4.8	97.9	19/03/2021	94.6	2.9	97.5
17/08/2021	92.5	4.5	97.0	27/01/2021	90.2	7.0	97.2
27/01/2021	90.2	7.0	97.2	17/08/2021	92.5	4.5	97.0
18/03/2021	89.3	2.5	91.8	28/01/2021	88.3	8.3	96.6
06/03/2021	88.7	6.9	95.6	06/03/2021	88.7	6.9	95.6
28/01/2021	88.3	8.3	96.6	08/02/2021	87.3	6.6	93.9
08/02/2021	87.3	6.6	93.9	02/03/2021	85.4	8.0	93.4
16/12/2021	86.7	6.6	93.3	16/12/2021	86.7	6.6	93.3
08/01/2021	86.7	2.8	89.5	09/02/2021	84.8	8.3	93.1

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	105.6	105.6
R2	94.6	94.6
R3	88.5	88.5
R4	94.1	94.1
R5	78.1	78.1
R6	111.0	111.0
R7	76.6	76.6
R8	71.3	71.3
R9	88.7	88.7
R10	107.2	107.2
R11	103.4	103.4
R12	122.0	122.0
R13	95.4	95.4
R14	82.0	82.0
R15	60.8	60.8
R16	23.9	23.9
R17	22.2	22.2
R18	21.4	21.4
R19	29.6	29.6
R20	41.5	41.5
R21	36.6	36.6
R22	24.9	24.9
R23	23.9	23.9
R24	22.5	22.5
R25	17.7	17.7
R26	14.4	14.4
R27	9.6	9.6
R28	30.1	30.1
R29	32.0	32.0
R30	29.9	29.9
R31	30.5	30.5

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	19.4	19.4
R33	15.5	15.5
R34	16.3	16.3
R35	20.2	20.2
R36	22.1	22.1
R37	22.3	22.3
R38	75.7	75.7
R39	28.1	28.1
R40	57.2	57.2
R41	137.1	137.1
R42	114.6	114.6
R43	80.3	80.3
R44	106.5	106.5
R45	90.0	90.0
R46	66.6	66.6
R47	59.1	59.1
R48	63.0	63.0
R49	61.0	61.0
R50	51.3	51.3
R51	35.8	35.8
R52	45.7	45.7
R53	38.0	38.0
R54	23.8	23.8
R55	37.9	37.9
R56	38.7	38.7
R57	26.0	26.0
R58	35.2	35.2
R59	32.7	32.7
R60	26.8	26.8
R61	34.2	34.2
R62	21.5	21.5
R63	33.4	33.4
R64	16.0	16.0
R65	36.0	36.0
R66	28.5	28.5
R67	23.1	23.1

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	14.5	14.5
R69	19.7	19.7
R70	26.9	26.9
R71	41.9	41.9
R72	47.4	47.4
R73	50.9	50.9
R74	60.4	60.4
R75	34.0	34.0
R76	38.6	38.6
R77	30.8	30.8
R78	45.1	45.1
R79	29.8	29.8
R80	11.7	11.7
R81	32.5	32.5
R82	39.4	39.4
R83	25.6	25.6
R84	20.0	20.0
R85	35.9	35.9
R86	37.1	37.1
R87	21.1	21.1
R88	18.0	18.0
R89	16.2	16.2
R90	13.6	13.6
R91	18.2	18.2
R92	15.0	15.0
R93	24.0	24.0
R94	27.7	27.7
R95	24.0	24.0
R96	42.7	42.7
R97	35.1	35.1
R98	40.1	40.1
R99	30.4	30.4
R100	22.0	22.0
R101	34.9	34.9
R102	27.4	27.4
R103	22.0	22.0

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R104	14.5	14.5
R105	11.6	11.6
R106	13.4	13.4
R107	16.7	16.7
R108	23.7	23.7
R109	28.6	28.6
R110	23.3	23.3
R111	10.8	10.8
R112	27.8	27.8
R113	25.3	25.3
R114	8.6	8.6
R115	14.1	14.1
R116	8.2	8.2
R117	11.8	11.8
R118	18.5	18.5
R119	14.1	14.1
R120	22.3	22.3
R121	24.0	24.0
R122	43.9	43.9
R123	39.8	39.8
R124	24.9	24.9
R125	42.3	42.3
R126	19.7	19.7
R127	48.6	48.6
R128	54.0	54.0

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	9.0	0.2	9.1	6.8	0.1	6.9	1.5	< 0.1	1.5
R2	9.8	0.2	10.0	7.5	0.1	7.6	1.5	0.3	1.8
R3	8.6	0.2	8.8	6.5	0.1	6.6	1.5	0.3	1.8
R4	10.0	0.2	10.1	7.5	0.1	7.7	1.5	0.3	1.8
R5	6.5	0.5	7.0	5.0	0.4	5.3	1.3	0.4	1.7
R6	9.9	0.2	10.0	7.5	0.1	7.6	1.4	0.3	1.7
R7	5.0	0.2	5.1	3.8	0.1	3.9	1.1	< 0.1	1.2
R8	4.5	0.2	4.7	3.4	0.1	3.6	1.0	< 0.1	1.1
R9	4.6	0.2	4.8	3.5	0.1	3.6	1.2	< 0.1	1.2
R10	6.1	0.2	6.3	4.6	0.1	4.7	1.8	0.1	1.9
R11	4.8	0.2	4.9	3.6	0.1	3.7	2.0	< 0.1	2.0
R12	8.6	0.5	9.1	6.5	0.4	6.9	2.3	< 0.1	2.3
R13	9.1	0.5	9.6	6.9	0.4	7.3	1.6	< 0.1	1.6
R14	10.6	0.5	11.1	8.0	0.4	8.4	2.3	0.2	2.5
R15	5.7	0.3	6.0	4.3	0.2	4.6	1.3	0.1	1.4
R16	1.6	0.2	1.7	1.2	0.1	1.3	0.7	< 0.1	0.7
R17	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R18	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R19	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.6	< 0.1	0.6
R20	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.8	< 0.1	0.8
R21	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.8	< 0.1	0.8
R22	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.6	0.2	0.8
R23	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.5	< 0.1	0.6
R24	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.6	< 0.1	0.6
R25	1.1	< 0.1	1.1	0.9	< 0.1	0.9	0.5	< 0.1	0.5
R26	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R27	0.7	< 0.1	0.7	0.6	< 0.1	0.6	0.3	< 0.1	0.3
R28	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.7	0.2	0.9
R29	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.8	0.1	0.9
R30	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.7	0.1	0.8

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	1.7	< 0.1	1.7	1.3	< 0.1	1.3	0.7	< 0.1	0.7
R32	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.5	< 0.1	0.5
R33	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R34	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R35	1.2	0.2	1.3	0.9	0.1	1.0	0.6	< 0.1	0.6
R36	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R37	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R38	4.1	< 0.1	4.1	3.1	< 0.1	3.1	1.6	< 0.1	1.6
R39	2.6	0.2	2.8	2.0	0.1	2.1	0.8	< 0.1	0.8
R40	5.7	0.2	5.9	4.3	0.1	4.5	1.2	0.2	1.4
R41	12.1	0.2	12.2	9.1	0.1	9.3	1.9	< 0.1	1.9
R42	5.3	0.2	5.5	4.0	0.1	4.1	1.6	< 0.1	1.6
R43	2.8	0.2	3.0	2.2	0.1	2.3	1.1	0.1	1.2
R44	3.6	< 0.1	3.6	2.7	< 0.1	2.7	1.6	< 0.1	1.6
R45	3.4	< 0.1	3.4	2.6	< 0.1	2.6	1.4	< 0.1	1.4
R46	2.0	0.2	2.2	1.5	0.1	1.7	0.9	< 0.1	0.9
R47	3.1	0.7	3.7	2.3	0.5	2.8	0.9	< 0.1	0.9
R48	3.6	0.5	4.1	2.8	0.4	3.1	0.8	< 0.1	0.8
R49	3.9	0.2	4.1	3.0	0.1	3.1	0.8	< 0.1	0.8
R50	2.6	0.2	2.8	2.0	0.1	2.1	0.7	< 0.1	0.7
R51	2.1	0.2	2.2	1.6	0.1	1.7	0.6	< 0.1	0.6
R52	2.3	0.2	2.4	1.7	0.1	1.8	0.8	< 0.1	0.8
R53	1.9	< 0.1	1.9	1.4	< 0.1	1.4	0.6	< 0.1	0.6
R54	1.5	< 0.1	1.5	1.2	< 0.1	1.2	0.6	< 0.1	0.6
R55	1.7	< 0.1	1.7	1.3	< 0.1	1.3	0.7	< 0.1	0.7
R56	1.8	0.2	1.9	1.3	0.1	1.5	0.8	0.1	0.9
R57	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.6	< 0.1	0.6
R58	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.6	< 0.1	0.6
R59	2.3	< 0.1	2.3	1.7	< 0.1	1.7	0.8	< 0.1	0.8
R60	1.8	< 0.1	1.8	1.4	< 0.1	1.4	0.7	< 0.1	0.7
R61	1.9	< 0.1	1.9	1.4	< 0.1	1.4	0.7	< 0.1	0.7
R62	2.3	0.5	2.8	1.7	0.4	2.1	0.6	< 0.1	0.6
R63	1.9	< 0.1	1.9	1.4	< 0.1	1.4	0.5	< 0.1	0.5
R64	1.9	0.8	2.7	1.4	0.6	2.0	0.5	< 0.1	0.5
R65	1.7	< 0.1	1.7	1.3	< 0.1	1.3	0.9	< 0.1	0.9

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	2.1	< 0.1	2.1	1.6	< 0.1	1.6	0.8	< 0.1	0.8
R67	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.9	< 0.1	0.9
R68	1.4	0.3	1.7	1.1	0.2	1.3	0.4	< 0.1	0.4
R69	1.2	0.2	1.3	0.9	0.1	1.0	0.4	< 0.1	0.4
R70	1.5	0.3	1.8	1.1	0.2	1.4	0.4	< 0.1	0.4
R71	3.1	0.3	3.4	2.3	0.2	2.6	0.9	0.2	1.1
R72	3.6	0.3	3.9	2.7	0.2	3.0	1.0	0.2	1.2
R73	4.0	0.3	4.4	3.1	0.2	3.3	1.0	0.2	1.2
R74	2.8	0.7	3.5	2.1	0.5	2.6	1.2	< 0.1	1.2
R75	1.6	< 0.1	1.6	1.2	< 0.1	1.2	1.0	< 0.1	1.0
R76	1.7	< 0.1	1.7	1.3	< 0.1	1.3	0.7	< 0.1	0.7
R77	2.7	0.5	3.2	2.0	0.4	2.4	0.7	< 0.1	0.7
R78	2.5	0.2	2.7	1.9	0.1	2.0	0.7	< 0.1	0.8
R79	1.8	< 0.1	1.8	1.4	< 0.1	1.4	0.7	< 0.1	0.7
R80	1.2	0.8	2.0	0.9	0.6	1.5	0.4	< 0.1	0.4
R81	2.3	< 0.1	2.3	1.7	< 0.1	1.7	0.7	< 0.1	0.7
R82	2.1	< 0.1	2.1	1.6	< 0.1	1.6	1.1	< 0.1	1.1
R83	2.3	0.2	2.5	1.7	0.1	1.9	0.7	0.2	0.9
R84	2.0	< 0.1	2.0	1.5	< 0.1	1.5	0.6	< 0.1	0.6
R85	2.6	0.2	2.7	2.0	0.1	2.1	0.6	< 0.1	0.6
R86	2.7	0.2	2.9	2.0	0.1	2.2	0.7	< 0.1	0.8
R87	2.1	0.5	2.5	1.6	0.4	1.9	0.7	< 0.1	0.7
R88	1.9	0.8	2.7	1.4	0.6	2.0	0.5	< 0.1	0.5
R89	1.7	0.8	2.5	1.3	0.6	1.9	0.5	< 0.1	0.5
R90	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.4	< 0.1	0.4
R91	1.7	0.5	2.2	1.3	0.4	1.7	0.6	< 0.1	0.6
R92	1.5	0.8	2.3	1.1	0.6	1.7	0.5	< 0.1	0.5
R93	1.8	< 0.1	1.8	1.3	< 0.1	1.3	0.6	< 0.1	0.6
R94	1.9	0.2	2.1	1.4	0.1	1.6	0.5	< 0.1	0.5
R95	1.5	< 0.1	1.5	1.2	< 0.1	1.2	0.5	< 0.1	0.5
R96	1.7	0.3	2.0	1.3	0.2	1.5	0.7	< 0.1	0.7
R97	1.9	0.2	2.1	1.5	0.1	1.6	0.7	< 0.1	0.7
R98	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.7	< 0.1	0.7
R99	1.9	< 0.1	1.9	1.4	< 0.1	1.4	0.8	< 0.1	0.8
R100	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.6	< 0.1	0.6

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	1.3	0.3	1.7	1.0	0.2	1.3	0.6	< 0.1	0.6
R102	1.3	0.2	1.5	1.0	0.1	1.1	0.6	< 0.1	0.6
R103	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.5	< 0.1	0.5
R104	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.5	< 0.1	0.5
R105	0.8	0.3	1.2	0.6	0.2	0.9	0.3	< 0.1	0.3
R106	1.0	< 0.1	1.0	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R107	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.5	< 0.1	0.5
R108	1.8	< 0.1	1.8	1.4	< 0.1	1.4	0.7	< 0.1	0.7
R109	1.6	< 0.1	1.6	1.2	< 0.1	1.2	1.0	< 0.1	1.0
R110	1.4	< 0.1	1.4	1.1	< 0.1	1.1	0.6	< 0.1	0.6
R111	1.3	< 0.1	1.3	0.9	< 0.1	0.9	0.6	< 0.1	0.6
R112	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.8	< 0.1	0.8
R113	1.6	< 0.1	1.6	1.2	< 0.1	1.2	0.8	< 0.1	0.8
R114	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.3	< 0.1	0.3
R115	1.1	< 0.1	1.1	0.8	< 0.1	0.8	0.4	< 0.1	0.4
R116	0.7	< 0.1	0.7	0.5	< 0.1	0.5	0.3	< 0.1	0.3
R117	1.0	< 0.1	1.0	0.7	< 0.1	0.7	0.4	< 0.1	0.4
R118	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.5	< 0.1	0.5
R119	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.8	< 0.1	0.8
R120	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.7	< 0.1	0.7
R121	1.3	< 0.1	1.3	1.0	< 0.1	1.0	0.6	< 0.1	0.6
R122	1.4	0.3	1.7	1.0	0.2	1.3	0.8	0.1	0.9
R123	1.3	0.3	1.6	1.0	0.2	1.2	0.8	< 0.1	0.9
R124	1.1	< 0.1	1.2	0.8	< 0.1	0.9	0.7	< 0.1	0.8
R125	1.2	< 0.1	1.2	0.9	< 0.1	0.9	0.7	< 0.1	0.7
R126	0.9	< 0.1	0.9	0.7	< 0.1	0.7	0.5	< 0.1	0.5
R127	1.9	0.2	2.0	1.4	0.1	1.5	0.8	< 0.1	0.8
R128	2.4	0.2	2.5	1.8	0.1	1.9	0.8	< 0.1	0.8

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	8.5	< 0.1	8.5	1.5	0.6	2.1
R2	9.3	< 0.1	9.3	1.3	0.2	1.5
R3	8.2	< 0.1	8.2	1.2	0.2	1.4
R4	9.5	< 0.1	9.5	1.3	0.8	2.1
R5	6.2	2.9	9.1	1.0	0.1	1.2
R6	9.4	< 0.1	9.4	1.5	< 0.1	1.5
R7	4.7	< 0.1	4.7	1.0	1.3	2.3
R8	4.3	< 0.1	4.3	0.9	0.7	1.7
R9	4.4	< 0.1	4.4	1.2	0.2	1.5
R10	5.8	< 0.1	5.8	1.5	0.6	2.1
R11	4.5	< 0.1	4.5	1.5	< 0.1	1.5
R12	8.2	2.9	11.0	1.7	0.4	2.0
R13	8.6	2.9	11.5	1.3	0.4	1.7
R14	10.1	2.9	12.9	1.1	4.6	5.7
R15	5.4	< 0.1	5.4	0.8	8.2	9.0
R16	1.5	< 0.1	1.5	0.3	0.1	0.5
R17	1.4	< 0.1	1.4	0.3	1.1	1.3
R18	1.4	< 0.1	1.4	0.3	1.1	1.3
R19	1.5	< 0.1	1.5	0.4	0.2	0.7
R20	1.5	< 0.1	1.5	0.5	< 0.1	0.5
R21	1.4	< 0.1	1.4	0.5	0.1	0.6
R22	1.2	< 0.1	1.2	0.4	0.8	1.2
R23	1.1	< 0.1	1.1	0.4	0.2	0.6
R24	1.0	< 0.1	1.0	0.4	0.2	0.6
R25	1.1	< 0.1	1.1	0.3	0.2	0.5
R26	1.0	< 0.1	1.0	0.2	2.5	2.7
R27	0.7	< 0.1	0.7	0.1	1.8	1.9
R28	1.3	2.9	4.2	0.4	0.8	1.3
R29	1.2	< 0.1	1.2	0.5	< 0.1	0.5
R30	1.3	< 0.1	1.3	0.4	< 0.1	0.4

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	1.6	< 0.1	1.6	0.4	0.2	0.7
R32	1.3	< 0.1	1.3	0.3	< 0.1	0.3
R33	1.0	< 0.1	1.0	0.2	0.2	0.5
R34	1.1	< 0.1	1.1	0.3	0.2	0.5
R35	1.1	2.9	4.0	0.3	0.2	0.6
R36	1.4	< 0.1	1.4	0.3	1.1	1.3
R37	1.4	< 0.1	1.4	0.3	1.1	1.3
R38	3.9	< 0.1	3.9	1.0	0.2	1.2
R39	2.5	< 0.1	2.5	0.4	1.0	1.3
R40	5.4	< 0.1	5.4	0.8	9.8	10.5
R41	11.4	< 0.1	11.4	1.8	0.5	2.3
R42	5.0	< 0.1	5.0	1.5	0.5	2.0
R43	2.7	< 0.1	2.7	1.1	1.5	2.6
R44	3.4	< 0.1	3.4	1.5	< 0.1	1.5
R45	3.2	< 0.1	3.2	1.3	< 0.1	1.3
R46	1.9	< 0.1	1.9	1.0	0.2	1.2
R47	2.9	2.9	5.8	0.8	< 0.1	0.8
R48	3.5	2.9	6.3	0.9	0.2	1.1
R49	3.7	< 0.1	3.7	0.8	0.7	1.5
R50	2.5	2.9	5.3	0.7	0.1	0.8
R51	2.0	2.9	4.8	0.5	0.2	0.7
R52	2.2	< 0.1	2.2	0.6	0.7	1.3
R53	1.8	< 0.1	1.8	0.5	0.2	0.8
R54	1.5	< 0.1	1.5	0.3	< 0.1	0.3
R55	1.6	< 0.1	1.6	0.6	0.2	0.8
R56	1.7	2.9	4.5	0.5	0.8	1.4
R57	1.4	< 0.1	1.4	0.4	0.5	0.8
R58	1.5	< 0.1	1.5	0.6	0.2	0.8
R59	2.2	< 0.1	2.2	0.4	< 0.1	0.4
R60	1.7	< 0.1	1.7	0.4	< 0.1	0.4
R61	1.8	1.4	3.2	0.6	0.4	0.9
R62	2.2	2.9	5.0	0.3	0.2	0.5
R63	1.8	< 0.1	1.8	0.5	0.6	1.1
R64	1.8	2.9	4.6	0.2	1.3	1.5
R65	1.7	< 0.1	1.7	0.5	< 0.1	0.5

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	2.0	< 0.1	2.0	0.4	0.1	0.5
R67	1.4	< 0.1	1.4	0.4	0.4	0.7
R68	1.3	1.4	2.7	0.2	1.8	2.0
R69	1.1	< 0.1	1.1	0.3	0.6	0.9
R70	1.4	< 0.1	1.4	0.4	0.6	1.0
R71	2.9	< 0.1	2.9	0.5	8.2	8.8
R72	3.4	< 0.1	3.4	0.6	8.2	8.8
R73	3.8	< 0.1	3.8	0.7	8.2	8.9
R74	2.7	2.9	5.5	0.8	< 0.1	0.8
R75	1.6	< 0.1	1.6	0.5	< 0.1	0.5
R76	1.6	< 0.1	1.6	0.5	< 0.1	0.5
R77	2.6	2.9	5.4	0.5	0.4	0.8
R78	2.4	< 0.1	2.4	0.7	0.4	1.1
R79	1.7	1.4	3.2	0.5	0.4	0.9
R80	1.1	2.9	4.0	0.2	1.3	1.5
R81	2.1	< 0.1	2.1	0.5	< 0.1	0.5
R82	2.0	< 0.1	2.0	0.7	< 0.1	0.7
R83	2.2	2.9	5.0	0.3	< 0.1	0.3
R84	1.9	< 0.1	1.9	0.3	0.6	0.9
R85	2.5	< 0.1	2.5	0.6	0.4	0.9
R86	2.6	< 0.1	2.6	0.6	0.4	0.9
R87	1.9	2.9	4.8	0.3	0.4	0.7
R88	1.8	2.9	4.6	0.2	2.3	2.5
R89	1.6	2.9	4.4	0.2	2.3	2.5
R90	1.2	< 0.1	1.2	0.2	1.3	1.5
R91	1.6	2.9	4.5	0.3	0.4	0.7
R92	1.4	2.9	4.3	0.2	2.3	2.5
R93	1.7	1.4	3.1	0.4	0.4	0.8
R94	1.8	< 0.1	1.8	0.5	0.4	0.8
R95	1.5	< 0.1	1.5	0.4	0.4	0.8
R96	1.6	2.9	4.4	0.6	< 0.1	0.6
R97	1.8	< 0.1	1.8	0.5	0.7	1.2
R98	1.2	< 0.1	1.2	0.5	< 0.1	0.5
R99	1.8	2.9	4.7	0.5	< 0.1	0.5
R100	1.4	1.4	2.9	0.3	< 0.1	0.3

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	1.3	2.9	4.1	0.5	< 0.1	0.5
R102	1.3	2.9	4.1	0.4	0.2	0.7
R103	1.2	< 0.1	1.2	0.3	0.2	0.6
R104	1.0	< 0.1	1.0	0.2	2.5	2.7
R105	0.8	2.9	3.6	0.1	0.7	0.9
R106	1.0	< 0.1	1.0	0.2	1.8	2.0
R107	1.1	< 0.1	1.1	0.2	1.0	1.2
R108	1.7	< 0.1	1.7	0.3	0.2	0.5
R109	1.5	< 0.1	1.5	0.3	< 0.1	0.3
R110	1.3	< 0.1	1.3	0.3	0.4	0.7
R111	1.2	< 0.1	1.2	0.2	< 0.1	0.2
R112	1.6	< 0.1	1.6	0.3	1.1	1.4
R113	1.5	< 0.1	1.5	0.3	< 0.1	0.3
R114	0.8	< 0.1	0.8	0.1	1.4	1.5
R115	1.0	< 0.1	1.0	0.2	0.6	0.8
R116	0.7	< 0.1	0.7	0.1	< 0.1	0.1
R117	0.9	2.9	3.8	0.2	0.6	0.8
R118	1.2	< 0.1	1.2	0.2	0.1	0.4
R119	1.3	< 0.1	1.3	0.2	< 0.1	0.2
R120	1.4	< 0.1	1.4	0.3	1.1	1.4
R121	1.2	2.9	4.1	0.3	0.8	1.1
R122	1.3	< 0.1	1.3	0.6	< 0.1	0.6
R123	1.2	< 0.1	1.2	0.5	0.5	1.0
R124	1.0	< 0.1	1.0	0.3	0.5	0.8
R125	1.1	< 0.1	1.1	0.6	1.5	2.1
R126	0.9	< 0.1	0.9	0.2	< 0.1	0.2
R127	1.8	2.9	4.6	0.6	0.1	0.8
R128	2.2	< 0.1	2.2	0.7	< 0.1	0.7

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	3.07E-08	2.07E-03	7.47E-04	5.21E-04	2.11E-04
R2	3.78E-08	2.56E-03	9.20E-04	6.42E-04	2.60E-04
R3	3.77E-08	2.55E-03	9.17E-04	6.39E-04	2.59E-04
R4	3.91E-08	2.64E-03	9.52E-04	6.64E-04	2.68E-04
R5	3.50E-08	2.37E-03	8.53E-04	5.95E-04	2.41E-04
R6	3.40E-08	2.30E-03	8.29E-04	5.78E-04	2.34E-04
R7	3.13E-08	2.12E-03	7.62E-04	5.31E-04	2.15E-04
R8	3.00E-08	2.03E-03	7.29E-04	5.09E-04	2.06E-04
R9	2.17E-08	1.47E-03	5.29E-04	3.69E-04	1.49E-04
R10	2.80E-08	1.89E-03	6.81E-04	4.75E-04	1.92E-04
R11	3.11E-08	2.11E-03	7.58E-04	5.29E-04	2.14E-04
R12	3.22E-08	2.18E-03	7.84E-04	5.47E-04	2.21E-04
R13	2.67E-08	1.80E-03	6.49E-04	4.53E-04	1.83E-04
R14	2.96E-08	2.00E-03	7.19E-04	5.02E-04	2.03E-04
R15	2.70E-08	1.82E-03	6.56E-04	4.58E-04	1.85E-04
R16	1.29E-08	8.70E-04	3.13E-04	2.18E-04	8.84E-05
R17	9.48E-09	6.41E-04	2.31E-04	1.61E-04	6.51E-05
R18	9.70E-09	6.56E-04	2.36E-04	1.65E-04	6.66E-05
R19	1.10E-08	7.42E-04	2.67E-04	1.86E-04	7.54E-05
R20	1.04E-08	7.05E-04	2.54E-04	1.77E-04	7.16E-05
R21	9.97E-09	6.74E-04	2.43E-04	1.69E-04	6.85E-05
R22	9.64E-09	6.52E-04	2.35E-04	1.64E-04	6.62E-05
R23	9.63E-09	6.51E-04	2.34E-04	1.63E-04	6.61E-05
R24	9.30E-09	6.29E-04	2.26E-04	1.58E-04	6.39E-05
R25	8.62E-09	5.83E-04	2.10E-04	1.46E-04	5.92E-05
R26	7.66E-09	5.18E-04	1.86E-04	1.30E-04	5.26E-05
R27	5.67E-09	3.84E-04	1.38E-04	9.63E-05	3.90E-05
R28	1.06E-08	7.14E-04	2.57E-04	1.79E-04	7.25E-05
R29	1.04E-08	7.02E-04	2.53E-04	1.76E-04	7.13E-05
R30	9.69E-09	6.55E-04	2.36E-04	1.64E-04	6.66E-05
R31	1.26E-08	8.54E-04	3.07E-04	2.14E-04	8.68E-05
R32	8.96E-09	6.06E-04	2.18E-04	1.52E-04	6.15E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	7.83E-09	5.30E-04	1.91E-04	1.33E-04	5.38E-05
R34	7.90E-09	5.34E-04	1.92E-04	1.34E-04	5.43E-05
R35	8.86E-09	5.99E-04	2.16E-04	1.50E-04	6.08E-05
R36	9.16E-09	6.19E-04	2.23E-04	1.55E-04	6.29E-05
R37	9.48E-09	6.41E-04	2.31E-04	1.61E-04	6.51E-05
R38	2.82E-08	1.91E-03	6.86E-04	4.78E-04	1.94E-04
R39	1.55E-08	1.05E-03	3.77E-04	2.63E-04	1.06E-04
R40	3.21E-08	2.17E-03	7.83E-04	5.46E-04	2.21E-04
R41	3.11E-08	2.10E-03	7.57E-04	5.28E-04	2.14E-04
R42	2.33E-08	1.58E-03	5.68E-04	3.96E-04	1.60E-04
R43	1.96E-08	1.33E-03	4.78E-04	3.33E-04	1.35E-04
R44	2.74E-08	1.85E-03	6.66E-04	4.65E-04	1.88E-04
R45	2.35E-08	1.59E-03	5.71E-04	3.98E-04	1.61E-04
R46	1.78E-08	1.20E-03	4.34E-04	3.02E-04	1.22E-04
R47	1.84E-08	1.24E-03	4.48E-04	3.12E-04	1.26E-04
R48	1.98E-08	1.34E-03	4.81E-04	3.35E-04	1.36E-04
R49	2.00E-08	1.35E-03	4.86E-04	3.39E-04	1.37E-04
R50	1.82E-08	1.23E-03	4.42E-04	3.08E-04	1.25E-04
R51	1.29E-08	8.74E-04	3.15E-04	2.20E-04	8.88E-05
R52	1.21E-08	8.17E-04	2.94E-04	2.05E-04	8.30E-05
R53	1.21E-08	8.15E-04	2.94E-04	2.05E-04	8.28E-05
R54	9.66E-09	6.53E-04	2.35E-04	1.64E-04	6.64E-05
R55	1.18E-08	8.01E-04	2.88E-04	2.01E-04	8.14E-05
R56	1.17E-08	7.89E-04	2.84E-04	1.98E-04	8.01E-05
R57	1.13E-08	7.66E-04	2.76E-04	1.92E-04	7.78E-05
R58	1.26E-08	8.49E-04	3.06E-04	2.13E-04	8.63E-05
R59	1.38E-08	9.36E-04	3.37E-04	2.35E-04	9.51E-05
R60	1.38E-08	9.35E-04	3.37E-04	2.35E-04	9.50E-05
R61	1.42E-08	9.58E-04	3.45E-04	2.41E-04	9.73E-05
R62	1.31E-08	8.84E-04	3.18E-04	2.22E-04	8.98E-05
R63	1.33E-08	9.00E-04	3.24E-04	2.26E-04	9.14E-05
R64	1.16E-08	7.81E-04	2.81E-04	1.96E-04	7.93E-05
R65	1.49E-08	1.01E-03	3.64E-04	2.54E-04	1.03E-04
R66	1.47E-08	9.96E-04	3.59E-04	2.50E-04	1.01E-04
R67	1.27E-08	8.58E-04	3.09E-04	2.15E-04	8.71E-05
R68	9.18E-09	6.21E-04	2.24E-04	1.56E-04	6.31E-05
R69	8.41E-09	5.69E-04	2.05E-04	1.43E-04	5.78E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	1.20E-08	8.08E-04	2.91E-04	2.03E-04	8.21E-05
R71	1.58E-08	1.07E-03	3.83E-04	2.67E-04	1.08E-04
R72	1.74E-08	1.18E-03	4.23E-04	2.95E-04	1.19E-04
R73	2.01E-08	1.36E-03	4.88E-04	3.41E-04	1.38E-04
R74	1.85E-08	1.25E-03	4.49E-04	3.13E-04	1.27E-04
R75	1.32E-08	8.94E-04	3.22E-04	2.25E-04	9.09E-05
R76	1.19E-08	8.03E-04	2.89E-04	2.02E-04	8.16E-05
R77	1.37E-08	9.24E-04	3.33E-04	2.32E-04	9.39E-05
R78	1.50E-08	1.01E-03	3.64E-04	2.54E-04	1.03E-04
R79	1.33E-08	8.96E-04	3.23E-04	2.25E-04	9.10E-05
R80	8.45E-09	5.72E-04	2.06E-04	1.44E-04	5.81E-05
R81	1.32E-08	8.93E-04	3.21E-04	2.24E-04	9.07E-05
R82	1.45E-08	9.81E-04	3.53E-04	2.46E-04	9.97E-05
R83	1.41E-08	9.56E-04	3.44E-04	2.40E-04	9.71E-05
R84	1.56E-08	1.05E-03	3.80E-04	2.65E-04	1.07E-04
R85	1.18E-08	7.97E-04	2.87E-04	2.00E-04	8.10E-05
R86	1.28E-08	8.68E-04	3.12E-04	2.18E-04	8.82E-05
R87	1.25E-08	8.44E-04	3.04E-04	2.12E-04	8.58E-05
R88	1.21E-08	8.16E-04	2.94E-04	2.05E-04	8.29E-05
R89	1.12E-08	7.58E-04	2.73E-04	1.90E-04	7.70E-05
R90	9.87E-09	6.67E-04	2.40E-04	1.68E-04	6.78E-05
R91	1.15E-08	7.81E-04	2.81E-04	1.96E-04	7.93E-05
R92	1.05E-08	7.10E-04	2.56E-04	1.78E-04	7.22E-05
R93	1.23E-08	8.34E-04	3.00E-04	2.09E-04	8.47E-05
R94	1.22E-08	8.24E-04	2.97E-04	2.07E-04	8.37E-05
R95	1.14E-08	7.69E-04	2.77E-04	1.93E-04	7.81E-05
R96	9.86E-09	6.67E-04	2.40E-04	1.67E-04	6.77E-05
R97	1.08E-08	7.31E-04	2.63E-04	1.84E-04	7.43E-05
R98	9.12E-09	6.17E-04	2.22E-04	1.55E-04	6.26E-05
R99	1.04E-08	7.05E-04	2.54E-04	1.77E-04	7.16E-05
R100	9.97E-09	6.74E-04	2.43E-04	1.69E-04	6.85E-05
R101	8.24E-09	5.57E-04	2.01E-04	1.40E-04	5.66E-05
R102	1.01E-08	6.85E-04	2.46E-04	1.72E-04	6.95E-05
R103	8.64E-09	5.84E-04	2.10E-04	1.47E-04	5.93E-05
R104	7.68E-09	5.20E-04	1.87E-04	1.30E-04	5.28E-05
R105	5.77E-09	3.90E-04	1.40E-04	9.80E-05	3.96E-05
R106	7.82E-09	5.29E-04	1.90E-04	1.33E-04	5.37E-05

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	9.24E-09	6.25E-04	2.25E-04	1.57E-04	6.35E-05
R108	1.26E-08	8.49E-04	3.06E-04	2.13E-04	8.63E-05
R109	1.25E-08	8.43E-04	3.03E-04	2.12E-04	8.56E-05
R110	1.03E-08	6.99E-04	2.52E-04	1.75E-04	7.10E-05
R111	9.95E-09	6.73E-04	2.42E-04	1.69E-04	6.83E-05
R112	1.14E-08	7.74E-04	2.78E-04	1.94E-04	7.86E-05
R113	1.15E-08	7.75E-04	2.79E-04	1.95E-04	7.88E-05
R114	7.56E-09	5.11E-04	1.84E-04	1.28E-04	5.19E-05
R115	7.63E-09	5.16E-04	1.86E-04	1.30E-04	5.24E-05
R116	5.03E-09	3.40E-04	1.23E-04	8.54E-05	3.46E-05
R117	6.42E-09	4.34E-04	1.56E-04	1.09E-04	4.41E-05
R118	9.73E-09	6.58E-04	2.37E-04	1.65E-04	6.68E-05
R119	1.11E-08	7.52E-04	2.71E-04	1.89E-04	7.64E-05
R120	9.95E-09	6.73E-04	2.42E-04	1.69E-04	6.83E-05
R121	8.90E-09	6.02E-04	2.17E-04	1.51E-04	6.12E-05
R122	1.09E-08	7.35E-04	2.65E-04	1.84E-04	7.46E-05
R123	1.16E-08	7.83E-04	2.82E-04	1.97E-04	7.95E-05
R124	8.90E-09	6.02E-04	2.17E-04	1.51E-04	6.11E-05
R125	1.01E-08	6.84E-04	2.46E-04	1.72E-04	6.95E-05
R126	6.86E-09	4.64E-04	1.67E-04	1.16E-04	4.71E-05
R127	1.34E-08	9.07E-04	3.26E-04	2.28E-04	9.21E-05
R128	1.41E-08	9.56E-04	3.44E-04	2.40E-04	9.71E-05
Max. at boundary	4.76E-08	3.22E-03	–	–	3.27E-04

Nitrogen dioxide (NO₂)

Maximum 1-hour concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.
Criterion			164
R1	6 658.3	10.2	6 668.5
R2	6 708.4	12.3	6 720.7
R3	6 002.0	12.3	6 014.3
R4	6 776.1	12.3	6 788.4
R5	4 933.8	8.2	4 942.0
R6	7 269.6	12.3	7 281.9
R7	4 151.4	12.3	4 163.7
R8	3 996.9	12.3	4 009.2
R9	3 891.8	10.2	3 902.1
R10	4 884.0	10.2	4 894.2
R11	3 780.1	10.2	3 790.3
R12	5 610.7	8.2	5 618.9
R13	5 926.5	8.2	5 934.7
R14	6 533.6	4.1	6 537.7
R15	3 720.5	10.2	3 730.7
R16	2 965.2	2.0	2 967.3
R17	3 522.2	2.0	3 524.2
R18	3 398.9	2.0	3 401.0
R19	2 384.6	< 0.1	2 384.6
R20	2 589.8	2.0	2 591.8
R21	2 579.2	2.0	2 581.3
R22	2 180.6	8.2	2 188.8
R23	2 360.7	2.0	2 362.7
R24	2 265.7	2.0	2 267.7
R25	2 124.1	10.2	2 134.3
R26	2 062.2	10.2	2 072.5
R27	1 404.8	10.2	1 415.1
R28	2 382.9	10.2	2 393.1
R29	2 340.5	8.2	2 348.7
R30	2 211.5	2.0	2 213.5

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R31	2 256.2	8.2	2 264.4
R32	2 239.5	10.2	2 249.7
R33	2 027.4	10.2	2 037.7
R34	2 059.9	10.2	2 070.1
R35	2 058.6	2.0	2 060.7
R36	3 255.7	2.0	3 257.7
R37	3 316.6	2.0	3 318.7
R38	4 133.6	2.0	4 135.7
R39	2 011.7	34.9	2 046.6
R40	3 703.2	34.9	3 738.1
R41	9 469.0	12.3	9 481.3
R42	4 931.5	6.1	4 937.6
R43	2 993.7	12.3	3 006.0
R44	3 398.3	12.3	3 410.6
R45	3 418.3	12.3	3 430.6
R46	2 077.2	10.2	2 087.4
R47	2 787.9	8.2	2 796.1
R48	3 256.3	8.2	3 264.5
R49	3 950.9	12.3	3 963.2
R50	2 860.9	10.2	2 871.2
R51	2 443.5	8.2	2 451.7
R52	3 066.8	12.3	3 079.1
R53	2 473.8	< 0.1	2 473.8
R54	2 300.1	10.2	2 310.3
R55	2 364.3	2.0	2 366.3
R56	2 700.6	10.2	2 710.8
R57	2 049.1	10.2	2 059.3
R58	2 218.7	6.1	2 224.9
R59	3 139.4	6.1	3 145.6
R60	2 490.6	6.1	2 496.8
R61	2 397.8	12.3	2 410.1
R62	2 753.8	4.1	2 757.9
R63	1 951.9	6.1	1 958.1
R64	2 130.5	8.2	2 138.7
R65	2 766.0	2.0	2 768.0

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R66	3 139.5	< 0.1	3 139.5
R67	2 143.1	6.1	2 149.3
R68	1 789.6	4.1	1 793.7
R69	1 487.1	4.1	1 491.2
R70	1 580.8	4.1	1 584.9
R71	2 753.3	10.2	2 763.6
R72	3 435.8	10.2	3 446.0
R73	3 723.1	10.2	3 733.4
R74	2 803.3	12.3	2 815.6
R75	2 330.6	< 0.1	2 330.6
R76	2 458.4	< 0.1	2 458.4
R77	3 200.5	4.1	3 204.6
R78	3 109.9	4.1	3 114.0
R79	2 445.4	12.3	2 457.7
R80	1 788.7	10.2	1 799.0
R81	3 118.2	6.1	3 124.4
R82	2 896.1	16.4	2 912.5
R83	3 675.5	22.6	3 698.1
R84	2 831.5	4.1	2 835.6
R85	3 469.7	4.1	3 473.8
R86	3 487.9	4.1	3 492.0
R87	2 850.0	10.2	2 860.2
R88	2 146.2	12.3	2 158.5
R89	2 080.9	14.3	2 095.2
R90	2 192.7	8.2	2 200.9
R91	2 741.4	10.2	2 751.6
R92	2 152.0	8.2	2 160.2
R93	2 519.0	12.3	2 531.3
R94	2 785.0	4.1	2 789.1
R95	2 398.4	12.3	2 410.7
R96	2 471.7	8.2	2 479.9
R97	2 939.5	12.3	2 951.8
R98	2 169.9	2.0	2 172.0
R99	2 884.7	2.0	2 886.7
R100	2 261.1	6.1	2 267.3

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R101	2 176.8	8.2	2 185.0
R102	2 344.9	2.0	2 347.0
R103	2 157.2	< 0.1	2 157.2
R104	2 086.4	10.2	2 096.7
R105	1 247.7	4.1	1 251.8
R106	1 753.6	10.2	1 763.9
R107	1 990.0	6.1	1 996.1
R108	2 959.7	< 0.1	2 959.7
R109	2 880.7	2.0	2 882.8
R110	2 658.7	< 0.1	2 658.7
R111	2 164.0	4.1	2 168.1
R112	2 982.3	2.0	2 984.4
R113	3 177.8	2.0	3 179.9
R114	1 823.3	6.1	1 829.4
R115	1 895.9	6.1	1 902.0
R116	1 400.3	10.2	1 410.5
R117	1 828.9	4.1	1 833.0
R118	2 539.6	2.0	2 541.7
R119	2 011.4	2.0	2 013.4
R120	3 261.1	2.0	3 263.2
R121	2 059.5	20.5	2 080.0
R122	2 318.3	10.2	2 328.6
R123	2 437.4	< 0.1	2 437.4
R124	2 045.5	< 0.1	2 045.5
R125	2 389.9	< 0.1	2 389.9
R126	2 177.5	< 0.1	2 177.5
R127	2 409.8	10.2	2 420.1
R128	2 791.1	12.3	2 803.4

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	51 552.7	27/09/2021 06:00	5 155.3	0.16	1.09	0.635	0.1	0.03	6 658.3	10.2	6 668.5
R2	56 667.6	02/10/2021 06:00	5 666.8	0.62	< 0.1	0.635	0.1	0.02	6 708.4	12.3	6 720.7
R3	49 479.0	02/10/2021 06:00	4 947.9	0.62	< 0.1	0.635	0.1	0.02	6 002.0	12.3	6 014.3
R4	57 371.9	02/10/2021 06:00	5 737.2	0.62	< 0.1	0.635	0.1	0.02	6 776.1	12.3	6 788.4
R5	37 638.9	29/04/2021 07:00	3 763.9	0.34	< 0.1	0.635	0.1	0.03	4 933.8	8.2	4 942.0
R6	56 871.1	02/10/2021 06:00	5 687.1	0.62	< 0.1	0.635	0.1	0.03	7 269.6	12.3	7 281.9
R7	28 619.4	02/10/2021 06:00	2 861.9	0.62	< 0.1	0.635	0.1	0.05	4 151.4	12.3	4 163.7
R8	26 168.1	25/09/2021 06:00	2 616.8	0.53	4.36	0.635	0.1	0.06	3 996.9	12.3	4 009.2
R9	26 496.2	27/09/2021 06:00	2 649.6	0.16	1.09	0.635	0.1	0.05	3 891.8	10.2	3 902.1
R10	35 093.6	27/09/2021 06:00	3 509.4	0.16	1.09	0.635	0.1	0.04	4 884.0	10.2	4 894.2
R11	27 480.3	27/09/2021 06:00	2 748.0	0.16	1.09	0.635	0.1	0.04	3 780.1	10.2	3 790.3
R12	49 652.4	19/08/2021 07:00	4 965.2	0.16	4.36	0.49	0.05	0.01	5 610.7	8.2	5 618.9
R13	52 381.7	19/08/2021 07:00	5 238.2	0.16	4.36	0.49	0.05	0.01	5 926.5	8.2	5 934.7
R14	61 076.4	20/08/2021 07:00	6 107.6	< 0.1	1.09	0.49	0.05	0.01	6 533.6	4.1	6 537.7
R15	32 746.1	16/06/2021 08:00	3 274.6	0.19	< 0.1	0.49	0.05	0.02	3 720.5	10.2	3 730.7
R16	8 386.2	12/09/2021 17:00	838.6	3.62	45.78	0.85	0.1	0.28	2 965.2	2.0	2 967.3
R17	8 722.2	15/11/2021 04:00	872.2	2.57	22.89	0.74	0.1	0.34	3 522.2	2.0	3 524.2
R18	8 488.3	15/11/2021 04:00	848.8	2.57	22.89	0.74	0.1	0.33	3 398.9	2.0	3 401.0
R19	9 141.0	02/01/2021 05:00	914.1	1.04	6.54	0.67	0.1	0.18	2 384.6	< 0.1	2 384.6
R20	8 955.5	14/09/2021 06:00	895.6	2.12	25.07	0.74	0.1	0.21	2 589.8	2.0	2 591.8
R21	8 606.7	14/09/2021 06:00	860.7	2.12	25.07	0.74	0.1	0.22	2 579.2	2.0	2 581.3
R22	6 506.6	20/05/2021 17:00	650.7	1.16	22.89	0.74	0.1	0.26	2 180.6	8.2	2 188.8
R23	6 748.9	21/09/2021 17:00	674.9	2.19	32.70	0.8	0.1	0.28	2 360.7	2.0	2 362.7
R24	6 346.5	21/09/2021 17:00	634.7	2.19	32.70	0.8	0.1	0.29	2 265.7	2.0	2 267.7
R25	6 235.1	22/12/2021 01:00	623.5	1.13	37.61	0.74	0.1	0.27	2 124.1	10.2	2 134.3
R26	5 907.9	22/12/2021 00:00	590.8	1.77	37.61	0.74	0.1	0.28	2 062.2	10.2	2 072.5
R27	4 291.3	19/12/2021 20:00	429.1	2.07	37.61	0.74	0.1	0.25	1 404.8	10.2	1 415.1
R28	7 768.5	16/12/2021 05:00	776.8	1.29	37.61	0.74	0.1	0.23	2 382.9	10.2	2 393.1
R29	7 507.0	20/05/2021 17:00	750.7	1.16	22.89	0.74	0.1	0.24	2 340.5	8.2	2 348.7
R30	7 060.6	14/09/2021 06:00	706.1	2.12	25.07	0.74	0.1	0.24	2 211.5	2.0	2 213.5
R31	9 562.9	06/09/2021 17:00	956.3	1.76	30.52	0.8	0.1	0.15	2 256.2	8.2	2 264.4
R32	7 596.7	22/12/2021 00:00	759.7	1.77	37.61	0.74	0.1	0.22	2 239.5	10.2	2 249.7

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	5 758.5	22/12/2021 01:00	575.9	1.13	37.61	0.74	0.1	0.28	2 027.4	10.2	2 037.7
R34	5 876.9	22/12/2021 01:00	587.7	1.13	37.61	0.74	0.1	0.28	2 059.9	10.2	2 070.1
R35	6 081.9	21/11/2021 05:00	608.2	1.53	20.71	0.74	0.1	0.26	2 058.6	2.0	2 060.7
R36	8 375.3	15/11/2021 04:00	837.5	2.57	22.89	0.74	0.1	0.32	3 255.7	2.0	3 257.7
R37	8 407.9	15/11/2021 04:00	840.8	2.57	22.89	0.74	0.1	0.33	3 316.6	2.0	3 318.7
R38	23 445.7	14/04/2021 17:00	2 344.6	2.57	28.34	0.74	0.1	0.08	4 133.6	2.0	4 135.7
R39	14 988.1	16/08/2021 07:00	1 498.8	0.22	1.09	0.49	0.05	0.04	2 011.7	34.9	2 046.6
R40	33 043.4	16/08/2021 07:00	3 304.3	0.22	1.09	0.49	0.05	0.01	3 703.2	34.9	3 738.1
R41	69 433.8	02/10/2021 06:00	6 943.4	0.62	< 0.1	0.635	0.1	0.04	9 469.0	12.3	9 481.3
R42	30 557.7	03/10/2021 06:00	3 055.8	0.13	< 0.1	0.635	0.1	0.07	4 931.5	6.1	4 937.6
R43	16 387.6	25/09/2021 06:00	1 638.8	0.53	4.36	0.635	0.1	0.09	2 993.7	12.3	3 006.0
R44	20 634.9	10/02/2021 18:00	2 063.5	2.15	15.26	0.67	0.1	0.07	3 398.3	12.3	3 410.6
R45	19 502.5	10/02/2021 18:00	1 950.3	2.15	15.26	0.67	0.1	0.08	3 418.3	12.3	3 430.6
R46	11 396.7	21/12/2021 23:00	1 139.7	2.45	37.61	0.74	0.1	0.09	2 077.2	10.2	2 087.4
R47	17 670.6	30/04/2021 07:00	1 767.1	0.29	< 0.1	0.635	0.1	0.06	2 787.9	8.2	2 796.1
R48	21 014.0	29/04/2021 07:00	2 101.4	0.34	< 0.1	0.635	0.1	0.06	3 256.3	8.2	3 264.5
R49	22 656.7	25/09/2021 06:00	2 265.7	0.53	4.36	0.635	0.1	0.08	3 950.9	12.3	3 963.2
R50	14 931.2	20/12/2021 05:00	1 493.1	0.77	37.61	0.74	0.1	0.10	2 860.9	10.2	2 871.2
R51	11 870.4	10/02/2021 06:00	1 187.0	1.29	1.09	0.67	0.1	0.12	2 443.5	8.2	2 451.7
R52	13 064.9	25/09/2021 06:00	1 306.5	0.53	4.36	0.635	0.1	0.15	3 066.8	12.3	3 079.1
R53	10 848.2	02/01/2021 05:00	1 084.8	1.04	6.54	0.67	0.1	0.14	2 473.8	< 0.1	2 473.8
R54	8 858.8	22/12/2021 00:00	885.9	1.77	37.61	0.74	0.1	0.18	2 300.1	10.2	2 310.3
R55	8 763.3	21/09/2021 17:00	876.3	2.19	32.70	0.8	0.1	0.19	2 364.3	2.0	2 366.3
R56	10 086.3	16/12/2021 05:00	1 008.6	1.29	37.61	0.74	0.1	0.19	2 700.6	10.2	2 710.8
R57	8 511.1	21/12/2021 23:00	851.1	2.45	37.61	0.74	0.1	0.16	2 049.1	10.2	2 059.3
R58	8 962.8	22/11/2021 18:00	896.3	2.59	20.71	0.74	0.1	0.16	2 218.7	6.1	2 224.9
R59	13 243.7	16/11/2021 18:00	1 324.4	2.27	27.25	0.74	0.1	0.15	3 139.4	6.1	3 145.6
R60	7 918.8	18/01/2021 18:00	791.9	2.27	49.05	0.81	0.15	0.24	2 490.6	6.1	2 496.8
R61	10 917.5	03/02/2021 18:00	1 091.8	2.28	19.62	0.67	0.1	0.13	2 397.8	12.3	2 410.1
R62	13 096.5	01/05/2021 07:00	1 309.7	0.18	< 0.1	0.635	0.1	0.12	2 753.8	4.1	2 757.9
R63	10 654.8	09/04/2021 07:00	1 065.5	0.45	< 0.1	0.635	0.1	0.09	1 951.9	6.1	1 958.1
R64	7 731.6	08/10/2021 17:00	773.2	2.19	38.15	0.8	0.1	0.20	2 130.5	8.2	2 138.7
R65	9 407.6	15/11/2021 04:00	940.8	2.57	22.89	0.74	0.1	0.22	2 766.0	2.0	2 768.0
R66	12 121.6	25/07/2021 06:00	1 212.2	3.83	32.70	0.87	0.07	0.18	3 139.5	< 0.1	3 139.5
R67	7 959.3	14/04/2021 19:00	795.9	1.07	23.98	0.74	0.1	0.19	2 143.1	6.1	2 149.3
R68	7 989.2	20/04/2021 07:00	798.9	< 0.1	< 0.1	0.635	0.1	0.14	1 789.6	4.1	1 793.7

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	6 682.7	14/04/2021 07:00	668.3	< 0.1	< 0.1	0.635	0.1	0.14	1 487.1	4.1	1 491.2
R70	7 926.2	14/04/2021 07:00	792.6	< 0.1	< 0.1	0.635	0.1	0.11	1 580.8	4.1	1 584.9
R71	16 441.4	12/02/2021 06:00	1 644.1	0.23	< 0.1	0.67	0.1	0.07	2 753.3	10.2	2 763.6
R72	19 571.6	12/02/2021 06:00	1 957.2	0.23	< 0.1	0.67	0.1	0.08	3 435.8	10.2	3 446.0
R73	22 504.0	19/12/2021 05:00	2 250.4	0.64	37.61	0.74	0.1	0.07	3 723.1	10.2	3 733.4
R74	14 599.2	04/08/2021 07:00	1 459.9	1.88	25.07	0.83	0.07	0.10	2 803.3	12.3	2 815.6
R75	9 429.6	26/06/2021 16:00	943.0	1.73	29.43	0.83	0.07	0.16	2 330.6	< 0.1	2 330.6
R76	8 168.7	05/10/2021 20:00	816.9	2.56	31.61	0.8	0.1	0.22	2 458.4	< 0.1	2 458.4
R77	15 543.6	01/05/2021 07:00	1 554.4	0.18	< 0.1	0.635	0.1	0.12	3 200.5	4.1	3 204.6
R78	14 546.0	03/01/2021 06:00	1 454.6	< 0.1	2.18	0.67	0.1	0.13	3 109.9	4.1	3 114.0
R79	10 614.0	03/02/2021 18:00	1 061.4	2.28	19.62	0.67	0.1	0.14	2 445.4	12.3	2 457.7
R80	6 177.7	19/12/2021 05:00	617.8	0.64	37.61	0.74	0.1	0.21	1 788.7	10.2	1 799.0
R81	13 040.7	19/02/2021 18:00	1 304.1	2.10	14.17	0.67	0.1	0.15	3 118.2	6.1	3 124.4
R82	12 134.8	14/12/2021 18:00	1 213.5	1.85	22.35	0.67	0.1	0.15	2 896.1	16.4	2 912.5
R83	13 252.6	01/09/2021 17:00	1 325.3	1.60	33.79	0.8	0.1	0.20	3 675.5	22.6	3 698.1
R84	10 530.4	28/03/2021 17:00	1 053.0	2.05	32.70	0.8	0.1	0.19	2 831.5	4.1	2 835.6
R85	14 876.2	03/01/2021 06:00	1 487.6	< 0.1	2.18	0.67	0.1	0.15	3 469.7	4.1	3 473.8
R86	15 503.7	03/01/2021 06:00	1 550.4	< 0.1	2.18	0.67	0.1	0.14	3 487.9	4.1	3 492.0
R87	8 413.0	02/12/2021 18:00	841.3	1.73	42.51	0.81	0.15	0.27	2 850.0	10.2	2 860.2
R88	5 040.7	12/01/2021 18:00	504.1	2.08	65.40	0.88	0.2	0.36	2 146.2	12.3	2 158.5
R89	5 865.1	12/01/2021 19:00	586.5	1.80	53.41	0.81	0.15	0.28	2 080.9	14.3	2 095.2
R90	7 063.4	08/10/2021 17:00	706.3	2.19	38.15	0.8	0.1	0.23	2 192.7	8.2	2 200.9
R91	7 576.7	02/12/2021 18:00	757.7	1.73	42.51	0.81	0.15	0.29	2 741.4	10.2	2 751.6
R92	7 319.4	08/10/2021 17:00	731.9	2.19	38.15	0.8	0.1	0.22	2 152.0	8.2	2 160.2
R93	10 162.8	03/02/2021 18:00	1 016.3	2.28	19.62	0.67	0.1	0.16	2 519.0	12.3	2 531.3
R94	10 931.4	03/01/2021 06:00	1 093.1	< 0.1	2.18	0.67	0.1	0.17	2 785.0	4.1	2 789.1
R95	8 907.5	10/02/2021 20:00	890.7	1.42	10.90	0.67	0.1	0.19	2 398.4	12.3	2 410.7
R96	9 629.0	02/03/2021 06:00	962.9	0.83	2.18	0.635	0.1	0.17	2 471.7	8.2	2 479.9
R97	11 078.3	25/09/2021 06:00	1 107.8	0.53	4.36	0.635	0.1	0.18	2 939.5	12.3	2 951.8
R98	7 135.1	14/09/2021 06:00	713.5	2.12	25.07	0.74	0.1	0.23	2 169.9	2.0	2 172.0
R99	10 867.0	29/12/2021 05:00	1 086.7	1.11	4.36	0.67	0.1	0.18	2 884.7	2.0	2 886.7
R100	8 622.8	02/02/2021 18:00	862.3	2.02	18.53	0.67	0.1	0.18	2 261.1	6.1	2 267.3
R101	7 613.4	02/03/2021 06:00	761.3	0.83	2.18	0.635	0.1	0.21	2 176.8	8.2	2 185.0
R102	7 482.0	21/09/2021 17:00	748.2	2.19	32.70	0.8	0.1	0.24	2 344.9	2.0	2 347.0
R103	7 243.1	02/01/2021 05:00	724.3	1.04	6.54	0.67	0.1	0.22	2 157.2	< 0.1	2 157.2
R104	6 118.5	22/12/2021 00:00	611.9	1.77	37.61	0.74	0.1	0.27	2 086.4	10.2	2 096.7

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	4 633.8	18/10/2021 06:00	463.4	0.40	1.09	0.635	0.1	0.19	1 247.7	4.1	1 251.8
R106	5 962.9	19/12/2021 20:00	596.3	2.07	37.61	0.74	0.1	0.22	1 753.6	10.2	1 763.9
R107	6 717.8	09/09/2021 21:00	671.8	1.64	35.97	0.8	0.1	0.22	1 990.0	6.1	1 996.1
R108	10 473.5	25/07/2021 04:00	1 047.3	2.94	30.52	0.87	0.07	0.20	2 959.7	< 0.1	2 959.7
R109	9 080.7	13/11/2021 22:00	908.1	2.01	20.71	0.74	0.1	0.24	2 880.7	2.0	2 882.8
R110	8 154.6	25/07/2021 17:00	815.5	3.06	32.70	0.87	0.07	0.25	2 658.7	< 0.1	2 658.7
R111	7 092.3	13/11/2021 00:00	709.2	3.36	21.80	0.74	0.1	0.23	2 164.0	4.1	2 168.1
R112	8 943.1	15/11/2021 03:00	894.3	2.50	22.89	0.74	0.1	0.26	2 982.3	2.0	2 984.4
R113	8 691.2	19/09/2021 18:00	869.1	2.00	32.70	0.8	0.1	0.30	3 177.8	2.0	3 179.9
R114	4 912.3	09/09/2021 20:00	491.2	2.59	38.15	0.8	0.1	0.30	1 823.3	6.1	1 829.4
R115	5 536.3	09/09/2021 22:00	553.6	0.59	34.88	0.8	0.1	0.27	1 895.9	6.1	1 902.0
R116	4 152.5	19/12/2021 20:00	415.2	2.07	37.61	0.74	0.1	0.26	1 400.3	10.2	1 410.5
R117	5 524.3	28/07/2021 18:00	552.4	3.14	29.43	0.83	0.07	0.26	1 828.9	4.1	1 833.0
R118	6 047.7	12/09/2021 17:00	604.8	3.62	45.78	0.85	0.1	0.36	2 539.6	2.0	2 541.7
R119	7 632.0	13/11/2021 01:00	763.2	3.42	21.80	0.74	0.1	0.18	2 011.4	2.0	2 013.4
R120	8 566.2	15/11/2021 04:00	856.6	2.57	22.89	0.74	0.1	0.31	3 261.1	2.0	3 263.2
R121	7 237.4	29/05/2021 07:00	723.7	1.88	10.90	0.635	0.1	0.21	2 059.5	20.5	2 080.0
R122	7 977.1	14/05/2021 07:00	797.7	0.61	< 0.1	0.635	0.1	0.21	2 318.3	10.2	2 328.6
R123	7 030.3	15/05/2021 19:00	703.0	2.02	27.25	0.74	0.1	0.27	2 437.4	< 0.1	2 437.4
R124	5 363.4	05/10/2021 18:00	536.3	3.80	32.70	0.8	0.1	0.31	2 045.5	< 0.1	2 045.5
R125	6 772.2	26/05/2021 17:00	677.2	1.51	29.43	0.74	0.1	0.28	2 389.9	< 0.1	2 389.9
R126	5 256.8	05/10/2021 20:00	525.7	2.56	31.61	0.8	0.1	0.35	2 177.5	< 0.1	2 177.5
R127	10 725.5	16/12/2021 05:00	1 072.6	1.29	37.61	0.74	0.1	0.14	2 409.8	10.2	2 420.1
R128	13 586.3	25/09/2021 06:00	1 358.6	0.53	4.36	0.635	0.1	0.12	2 791.1	12.3	2 803.4

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R41				Highest cumulative PM ₁₀ impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
14/05/2021	278.4	9.5	287.9	14/05/2021	278.4	9.5	287.9
18/07/2021	268.8	5.7	274.5	05/10/2021	267.4	14.0	281.4
05/10/2021	267.4	14.0	281.4	18/07/2021	268.8	5.7	274.5
05/08/2021	255.2	7.8	263.0	05/08/2021	255.2	7.8	263.0
27/05/2021	231.1	9.3	240.4	06/08/2021	226.0	15.4	241.4
16/05/2021	229.3	7.9	237.2	27/05/2021	231.1	9.3	240.4
02/10/2021	227.4	8.0	235.4	16/05/2021	229.3	7.9	237.2
25/08/2021	226.9	5.4	232.3	02/10/2021	227.4	8.0	235.4
06/08/2021	226.0	15.4	241.4	25/08/2021	226.9	5.4	232.3
04/08/2021	225.9	5.6	231.5	04/08/2021	225.9	5.6	231.5

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	247.7	12.3	260.0	21/03/2021	247.7	12.3	260.0
22/03/2021	238.2	5.9	244.1	22/03/2021	238.2	5.9	244.1
19/02/2021	221.4	13.4	234.8	19/02/2021	221.4	13.4	234.8
29/01/2021	187.0	8.2	195.2	29/01/2021	187.0	8.2	195.2
10/03/2021	170.6	21.1	191.7	10/03/2021	170.6	21.1	191.7
02/11/2021	157.2	19.1	176.3	02/11/2021	157.2	19.1	176.3
20/02/2021	152.1	11.4	163.5	10/02/2021	151.2	23.8	175.0
10/02/2021	151.2	23.8	175.0	20/02/2021	152.1	11.4	163.5
09/11/2021	145.1	13.4	158.5	09/11/2021	145.1	13.4	158.5
24/12/2021	139.3	13.5	152.8	02/12/2021	137.8	15.0	152.8

Highest incremental PM ₁₀ impact – Receptor R42				Highest cumulative PM ₁₀ impact – Receptor R42			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
14/05/2021	232.7	9.5	242.2	14/05/2021	232.7	9.5	242.2
18/07/2021	218.7	5.7	224.4	05/08/2021	217.4	7.8	225.2
05/08/2021	217.4	7.8	225.2	18/07/2021	218.7	5.7	224.4
27/05/2021	194.0	9.3	203.3	27/05/2021	194.0	9.3	203.3
25/08/2021	177.2	5.4	182.6	25/08/2021	177.2	5.4	182.6
06/08/2021	167.0	15.4	182.4	06/08/2021	167.0	15.4	182.4
05/07/2021	165.4	10.9	176.3	05/07/2021	165.4	10.9	176.3
11/04/2021	153.7	9.5	163.2	23/04/2021	136.8	29.9	166.7
16/05/2021	148.1	7.9	156.0	11/04/2021	153.7	9.5	163.2
04/06/2021	144.9	8.8	153.7	13/05/2021	143.1	13.2	156.3

Highest incremental PM ₁₀ impact – Receptor R6				Highest cumulative PM ₁₀ impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/08/2021	225.3	7.8	233.1	05/08/2021	225.3	7.8	233.1
14/05/2021	219.4	9.5	228.9	14/05/2021	219.4	9.5	228.9
27/05/2021	217.0	9.3	226.3	27/05/2021	217.0	9.3	226.3
25/08/2021	200.3	5.4	205.7	05/07/2021	195.4	10.9	206.3
18/07/2021	197.8	5.7	203.5	25/08/2021	200.3	5.4	205.7
05/07/2021	195.4	10.9	206.3	18/07/2021	197.8	5.7	203.5
06/08/2021	180.3	15.4	195.7	23/04/2021	173.1	29.9	203.0
04/06/2021	179.1	8.8	187.9	06/08/2021	180.3	15.4	195.7
23/04/2021	173.1	29.9	203.0	04/06/2021	179.1	8.8	187.9
28/05/2021	169.3	14.3	183.6	16/01/2021	160.4	25.0	185.4

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
17/03/2021	217.7	13.5	231.2	17/03/2021	217.7	13.5	231.2
18/03/2021	215.8	9.1	224.9	18/03/2021	215.8	9.1	224.9
19/03/2021	205.4	13.8	219.2	19/03/2021	205.4	13.8	219.2
11/11/2021	203.4	14.5	217.9	11/11/2021	203.4	14.5	217.9
28/01/2021	176.7	16.0	192.7	28/01/2021	176.7	16.0	192.7
20/03/2021	175.8	9.9	185.7	20/03/2021	175.8	9.9	185.7
17/02/2021	164.1	14.1	178.2	17/02/2021	164.1	14.1	178.2
18/02/2021	163.6	13.9	177.5	18/02/2021	163.6	13.9	177.5
09/02/2021	155.8	19.8	175.6	09/02/2021	155.8	19.8	175.6
22/12/2021	153.8	15.1	168.9	22/12/2021	153.8	15.1	168.9

Highest incremental PM ₁₀ impact – Receptor R44				Highest cumulative PM ₁₀ impact – Receptor R44			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	216.3	12.3	228.6	21/03/2021	216.3	12.3	228.6
19/02/2021	123.3	13.4	136.7	19/02/2021	123.3	13.4	136.7
09/11/2021	94.8	13.4	108.2	09/11/2021	94.8	13.4	108.2
28/02/2021	85.8	21.6	107.4	28/02/2021	85.8	21.6	107.4
10/02/2021	82.5	23.8	106.3	10/02/2021	82.5	23.8	106.3
10/03/2021	82.1	21.1	103.2	17/01/2021	77.7	25.5	103.2
29/01/2021	80.8	8.2	89.0	10/03/2021	82.1	21.1	103.2
06/04/2021	78.8	22.4	101.2	06/04/2021	78.8	22.4	101.2
17/01/2021	77.7	25.5	103.2	29/01/2021	80.8	8.2	89.0
24/12/2021	75.4	13.5	88.9	24/12/2021	75.4	13.5	88.9

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
18/03/2021	214.3	9.1	223.4	19/03/2021	212.6	13.8	226.4
19/03/2021	212.6	13.8	226.4	17/02/2021	212.1	14.1	226.2
17/02/2021	212.1	14.1	226.2	18/03/2021	214.3	9.1	223.4
17/03/2021	207.6	13.5	221.1	17/03/2021	207.6	13.5	221.1
28/01/2021	201.1	16.0	217.1	28/01/2021	201.1	16.0	217.1
27/01/2021	198.8	11.1	209.9	06/03/2021	189.6	25.7	215.3
26/12/2021	190.2	14.9	205.1	27/01/2021	198.8	11.1	209.9
06/03/2021	189.6	25.7	215.3	09/02/2021	186.6	19.8	206.4
26/11/2021	189.3	6.4	195.7	26/12/2021	190.2	14.9	205.1
28/12/2021	188.2	10.1	198.3	22/11/2021	185.5	18.0	203.5

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	210.0	12.3	222.3	21/03/2021	210.0	12.3	222.3
11/11/2021	192.3	14.5	206.8	11/11/2021	192.3	14.5	206.8
20/03/2021	178.6	9.9	188.5	17/03/2021	177.7	13.5	191.2
17/03/2021	177.7	13.5	191.2	20/03/2021	178.6	9.9	188.5
12/10/2021	170.1	8.9	178.9	12/10/2021	170.1	8.9	178.9
18/02/2021	158.1	13.9	172.0	18/02/2021	158.1	13.9	172.0
18/03/2021	155.5	9.1	164.6	21/10/2021	154.6	16.5	171.1
21/10/2021	154.6	16.5	171.1	21/12/2021	154.0	15.9	170.0
21/12/2021	154.0	15.9	170.0	18/03/2021	155.5	9.1	164.6
21/02/2021	145.7	9.1	154.8	14/12/2021	142.9	21.6	164.5

Highest incremental PM ₁₀ impact – Receptor R13				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/03/2021	193.6	5.9	199.5	17/08/2021	191.0	19.9	210.9
20/02/2021	148.9	11.4	160.3	25/09/2021	177.3	27.9	205.2
02/11/2021	132.7	19.1	151.8	05/03/2021	169.4	32.7	202.1
02/12/2021	131.1	15.0	146.1	02/03/2021	168.2	33.8	202.0
03/11/2021	129.3	17.8	147.1	06/03/2021	174.5	25.7	200.2
17/12/2021	127.5	19.2	146.6	16/12/2021	178.5	20.0	198.5
29/01/2021	124.2	8.2	132.4	27/01/2021	186.8	11.1	197.9
17/11/2021	122.7	21.5	144.2	17/02/2021	183.3	14.1	197.4
13/01/2021	122.4	19.0	141.4	08/02/2021	177.4	18.8	196.2
05/11/2021	119.7	9.8	129.5	08/01/2021	178.6	13.7	192.3

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	192.0	13.8	205.8	17/08/2021	187.8	19.9	207.7
17/02/2021	189.2	14.1	203.3	02/03/2021	173.4	33.8	207.2
17/08/2021	187.8	19.9	207.7	19/03/2021	192.0	13.8	205.8
27/01/2021	183.2	11.1	194.3	06/03/2021	180.1	25.7	205.8
18/03/2021	181.2	9.1	190.3	25/09/2021	175.8	27.9	203.7
06/03/2021	180.1	25.7	205.8	17/02/2021	189.2	14.1	203.3
28/01/2021	179.4	16.0	195.4	05/03/2021	170.3	32.7	203.0
08/02/2021	177.3	18.8	196.1	08/02/2021	177.3	18.8	196.1
16/12/2021	176.0	20.0	196.0	16/12/2021	176.0	20.0	196.0
08/01/2021	176.0	13.7	189.7	28/01/2021	179.4	16.0	195.4

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R41				Highest cumulative PM _{2.5} impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
14/05/2021	278.4	3.8	282.2	14/05/2021	278.4	3.8	282.2
18/07/2021	268.8	1.6	270.4	05/10/2021	267.4	3.8	271.2
05/10/2021	267.4	3.8	271.2	18/07/2021	268.8	1.6	270.4
05/08/2021	255.2	4.7	259.9	05/08/2021	255.2	4.7	259.9
27/05/2021	231.1	2.4	233.5	27/05/2021	231.1	2.4	233.5
16/05/2021	229.3	3.1	232.4	16/05/2021	229.3	3.1	232.4
02/10/2021	227.4	2.9	230.3	06/08/2021	226.0	6.2	232.2
25/08/2021	226.9	2.9	229.8	02/10/2021	227.4	2.9	230.3
06/08/2021	226.0	6.2	232.2	25/08/2021	226.9	2.9	229.8
04/08/2021	225.9	1.8	227.7	04/08/2021	225.9	1.8	227.7

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	247.7	4.9	252.6	21/03/2021	247.7	4.9	252.6
22/03/2021	238.2	2.4	240.6	22/03/2021	238.2	2.4	240.6
19/02/2021	221.4	2.9	224.4	19/02/2021	221.4	2.9	224.4
29/01/2021	187.0	4.3	191.3	29/01/2021	187.0	4.3	191.3
10/03/2021	170.6	4.9	175.5	10/03/2021	170.6	4.9	175.5
02/11/2021	157.2	3.5	160.7	02/11/2021	157.2	3.5	160.7
20/02/2021	152.1	2.0	154.1	10/02/2021	151.2	6.4	157.6
10/02/2021	151.2	6.4	157.6	20/02/2021	152.1	2.0	154.1
09/11/2021	145.1	4.4	149.5	09/11/2021	145.1	4.4	149.5
24/12/2021	139.3	5.9	145.2	24/12/2021	139.3	5.9	145.2

Highest incremental PM _{2.5} impact – Receptor R42				Highest cumulative PM _{2.5} impact – Receptor R42			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
14/05/2021	232.7	3.8	236.5	14/05/2021	232.7	3.8	236.5
18/07/2021	218.7	1.6	220.3	05/08/2021	217.4	4.7	222.1
05/08/2021	217.4	4.7	222.1	18/07/2021	218.7	1.6	220.3
27/05/2021	194.0	2.4	196.4	27/05/2021	194.0	2.4	196.4
25/08/2021	177.2	2.9	180.1	25/08/2021	177.2	2.9	180.1
06/08/2021	167.0	6.2	173.2	06/08/2021	167.0	6.2	173.2
05/07/2021	165.4	6.2	171.6	05/07/2021	165.4	6.2	171.6
11/04/2021	153.7	3.8	157.5	11/04/2021	153.7	3.8	157.5
16/05/2021	148.1	3.1	151.2	23/04/2021	136.8	19.5	156.3
04/06/2021	144.9	5.7	150.6	16/05/2021	148.1	3.1	151.2

Highest incremental PM _{2.5} impact – Receptor R6				Highest cumulative PM _{2.5} impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/08/2021	225.3	4.7	230.0	05/08/2021	225.3	4.7	230.0
14/05/2021	219.4	3.8	223.2	14/05/2021	219.4	3.8	223.2
27/05/2021	217.0	2.4	219.4	27/05/2021	217.0	2.4	219.4
25/08/2021	200.3	2.9	203.2	25/08/2021	200.3	2.9	203.2
18/07/2021	197.8	1.6	199.4	05/07/2021	195.4	6.2	201.6
05/07/2021	195.4	6.2	201.6	18/07/2021	197.8	1.6	199.4
06/08/2021	180.3	6.2	186.5	23/04/2021	173.1	19.5	192.6
04/06/2021	179.1	5.7	184.8	06/08/2021	180.3	6.2	186.5
23/04/2021	173.1	19.5	192.6	04/06/2021	179.1	5.7	184.8
28/05/2021	169.3	4.9	174.2	28/05/2021	169.3	4.9	174.2

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R44			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
17/03/2021	217.7	3.3	221.0	21/03/2021	216.3	4.9	221.2
18/03/2021	215.8	2.5	218.3	19/02/2021	123.3	2.9	126.2
19/03/2021	205.4	2.9	208.3	09/11/2021	94.8	4.4	99.2
11/11/2021	203.4	3.6	207.0	28/02/2021	85.8	7.8	93.6
28/01/2021	176.7	8.3	185.0	10/02/2021	82.5	6.4	88.9
20/03/2021	175.8	1.5	177.3	10/03/2021	82.1	4.9	87.0
17/02/2021	164.1	4.8	168.8	06/04/2021	78.8	7.1	85.9
18/02/2021	163.6	3.9	167.4	29/01/2021	80.8	4.3	85.1
09/02/2021	155.8	8.3	164.1	17/01/2021	77.7	7.2	84.9
22/12/2021	153.8	4.4	158.2	24/12/2021	75.4	5.9	81.3

Highest incremental PM _{2.5} impact – Receptor R44				Highest cumulative PM _{2.5} impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	216.3	4.9	221.2	17/03/2021	217.7	3.3	221.0
19/02/2021	123.3	2.9	126.2	18/03/2021	215.8	2.5	218.3
09/11/2021	94.8	4.4	99.2	19/03/2021	205.4	2.9	208.3
28/02/2021	85.8	7.8	93.6	11/11/2021	203.4	3.6	207.0
10/02/2021	82.5	6.4	88.9	28/01/2021	176.7	8.3	185.0
10/03/2021	82.1	4.9	87.0	20/03/2021	175.8	1.5	177.3
29/01/2021	80.8	4.3	85.1	17/02/2021	164.1	4.8	168.8
06/04/2021	78.8	7.1	85.9	18/02/2021	163.6	3.9	167.4
17/01/2021	77.7	7.2	84.9	09/02/2021	155.8	8.3	164.1
24/12/2021	75.4	5.9	81.3	22/12/2021	153.8	4.4	158.2

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
18/03/2021	214.3	2.5	216.8	17/02/2021	212.1	4.8	216.9
19/03/2021	212.6	2.9	215.5	18/03/2021	214.3	2.5	216.8
17/02/2021	212.1	4.8	216.9	19/03/2021	212.6	2.9	215.5
17/03/2021	207.6	3.3	210.9	17/03/2021	207.6	3.3	210.9
28/01/2021	201.1	8.3	209.4	28/01/2021	201.1	8.3	209.4
27/01/2021	198.8	7.0	205.8	27/01/2021	198.8	7.0	205.8
26/12/2021	190.2	5.8	196.0	06/03/2021	189.6	6.9	196.5
06/03/2021	189.6	6.9	196.5	26/12/2021	190.2	5.8	196.0
26/11/2021	189.3	1.9	191.2	09/02/2021	186.6	8.3	194.9
28/12/2021	188.2	1.2	189.4	26/11/2021	189.3	1.9	191.2

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	210.0	4.9	214.9	21/03/2021	210.0	4.9	214.9
11/11/2021	192.3	3.6	195.9	11/11/2021	192.3	3.6	195.9
20/03/2021	178.6	1.5	180.1	17/03/2021	177.7	3.3	181.0
17/03/2021	177.7	3.3	181.0	20/03/2021	178.6	1.5	180.1
12/10/2021	170.1	3.5	173.5	12/10/2021	170.1	3.5	173.5
18/02/2021	158.1	3.9	161.9	18/02/2021	158.1	3.9	161.9
18/03/2021	155.5	2.5	158.0	21/10/2021	154.6	4.7	159.3
21/10/2021	154.6	4.7	159.3	18/03/2021	155.5	2.5	158.0
21/12/2021	154.0	3.7	157.7	21/12/2021	154.0	3.7	157.7
21/02/2021	145.7	1.2	146.9	14/12/2021	142.9	4.5	147.4

Highest incremental PM _{2.5} impact – Receptor R13				Highest cumulative PM _{2.5} impact – Receptor R13			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/03/2021	193.6	2.4	196.0	22/03/2021	193.6	2.4	196.0
20/02/2021	148.9	2.0	150.9	20/02/2021	148.9	2.0	150.9
02/11/2021	132.7	3.5	136.2	02/11/2021	132.7	3.5	136.2
02/12/2021	131.1	3.9	135.0	02/12/2021	131.1	3.9	135.0
03/11/2021	129.3	2.7	132.0	17/12/2021	127.5	5.1	132.6
17/12/2021	127.5	5.1	132.6	03/11/2021	129.3	2.7	132.0
29/01/2021	124.2	4.3	128.5	30/04/2021	116.1	13.7	129.8
17/11/2021	122.7	4.5	127.2	29/01/2021	124.2	4.3	128.5
13/01/2021	122.4	3.3	125.7	17/11/2021	122.7	4.5	127.2
05/11/2021	119.7	3.7	123.4	13/01/2021	122.4	3.3	125.7

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	192.0	2.9	194.9	17/08/2021	191.0	4.5	195.5
17/02/2021	189.2	4.8	193.9	27/01/2021	186.8	7.0	193.8
17/08/2021	187.8	4.5	192.3	17/02/2021	183.3	4.8	188.0
27/01/2021	183.2	7.0	190.2	16/12/2021	178.5	6.6	185.1
18/03/2021	181.2	2.5	183.7	26/11/2021	182.4	1.9	184.3
06/03/2021	180.1	6.9	187.0	08/02/2021	177.4	6.6	184.0
28/01/2021	179.4	8.3	187.7	25/09/2021	177.3	6.2	183.5
08/02/2021	177.3	6.6	183.9	06/03/2021	174.5	6.9	181.4
16/12/2021	176.0	6.6	182.6	08/01/2021	178.6	2.8	181.4
08/01/2021	176.0	2.8	178.8	05/08/2021	174.4	4.7	179.1

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	214.3	214.3
R2	192.0	192.0
R3	179.6	179.6
R4	191.0	191.0
R5	158.6	158.6
R6	225.3	225.3
R7	155.4	155.4
R8	144.8	144.8
R9	180.0	180.0
R10	217.7	217.7
R11	210.0	210.0
R12	247.7	247.7
R13	193.6	193.6
R14	166.5	166.5
R15	123.5	123.5
R16	48.5	48.5
R17	45.0	45.0
R18	43.5	43.5
R19	60.0	60.0
R20	84.3	84.3
R21	74.2	74.2
R22	50.5	50.5
R23	48.4	48.4
R24	45.7	45.7
R25	35.9	35.9
R26	29.3	29.3
R27	19.5	19.5
R28	61.2	61.2
R29	64.9	64.9
R30	60.6	60.6
R31	61.9	61.9

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	39.5	39.5
R33	31.5	31.5
R34	33.1	33.1
R35	41.0	41.0
R36	44.9	44.9
R37	45.2	45.2
R38	153.6	153.6
R39	57.0	57.0
R40	116.1	116.1
R41	278.4	278.4
R42	232.7	232.7
R43	163.0	163.0
R44	216.3	216.3
R45	182.6	182.6
R46	135.1	135.1
R47	119.9	119.9
R48	128.0	128.0
R49	123.8	123.8
R50	104.2	104.2
R51	72.6	72.6
R52	92.7	92.7
R53	77.1	77.1
R54	48.3	48.3
R55	77.0	77.0
R56	78.6	78.6
R57	52.7	52.7
R58	71.6	71.6
R59	66.3	66.3
R60	54.5	54.5
R61	69.5	69.5
R62	43.7	43.7
R63	67.9	67.9
R64	32.6	32.6
R65	73.1	73.1
R66	57.9	57.9
R67	46.9	46.9

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	29.4	29.4
R69	39.9	39.9
R70	54.7	54.7
R71	85.1	85.1
R72	96.1	96.1
R73	103.3	103.3
R74	122.6	122.6
R75	69.0	69.0
R76	78.4	78.4
R77	62.5	62.5
R78	91.5	91.5
R79	60.5	60.5
R80	23.7	23.7
R81	66.1	66.1
R82	80.0	80.0
R83	52.1	52.1
R84	40.5	40.5
R85	72.8	72.8
R86	75.4	75.4
R87	42.8	42.8
R88	36.5	36.5
R89	33.0	33.0
R90	27.5	27.5
R91	36.9	36.9
R92	30.5	30.5
R93	48.8	48.8
R94	56.2	56.2
R95	48.7	48.7
R96	86.6	86.6
R97	71.3	71.3
R98	81.4	81.4
R99	61.8	61.8
R100	44.7	44.7
R101	70.8	70.8
R102	55.6	55.6
R103	44.6	44.6

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R104	29.4	29.4
R105	23.6	23.6
R106	27.1	27.1
R107	33.9	33.9
R108	48.1	48.1
R109	58.0	58.0
R110	47.3	47.3
R111	21.9	21.9
R112	56.4	56.4
R113	51.3	51.3
R114	17.5	17.5
R115	28.7	28.7
R116	16.6	16.6
R117	24.0	24.0
R118	37.5	37.5
R119	28.6	28.6
R120	45.4	45.4
R121	48.7	48.7
R122	89.1	89.1
R123	80.8	80.8
R124	50.6	50.6
R125	85.9	85.9
R126	40.0	40.0
R127	98.8	98.8
R128	109.6	109.6

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	18.2	0.2	18.3	13.8	0.1	13.9	3.1	< 0.1	3.1
R2	20.0	0.2	20.1	15.1	0.1	15.3	3.0	0.3	3.3
R3	17.4	0.2	17.6	13.2	0.1	13.3	3.0	0.3	3.3
R4	20.2	0.2	20.4	15.3	0.1	15.5	3.1	0.3	3.3
R5	13.3	0.5	13.8	10.1	0.4	10.4	2.6	0.4	3.0
R6	20.0	0.2	20.2	15.2	0.1	15.3	2.8	0.3	3.1
R7	10.1	0.2	10.3	7.6	0.1	7.8	2.2	< 0.1	2.3
R8	9.2	0.2	9.4	7.0	0.1	7.1	2.1	< 0.1	2.2
R9	9.3	0.2	9.5	7.1	0.1	7.2	2.4	< 0.1	2.4
R10	12.4	0.2	12.5	9.4	0.1	9.5	3.7	0.1	3.8
R11	9.7	0.2	9.9	7.3	0.1	7.5	4.0	< 0.1	4.0
R12	17.5	0.5	18.0	13.3	0.4	13.6	4.6	< 0.1	4.6
R13	18.5	0.5	19.0	14.0	0.4	14.4	3.2	< 0.1	3.2
R14	21.5	0.5	22.0	16.3	0.4	16.7	4.7	0.2	4.9
R15	11.5	0.3	11.9	8.7	0.2	9.0	2.6	0.1	2.7
R16	3.2	0.2	3.4	2.4	0.1	2.5	1.4	< 0.1	1.4
R17	3.1	< 0.1	3.1	2.3	< 0.1	2.3	1.4	< 0.1	1.4
R18	3.0	< 0.1	3.0	2.3	< 0.1	2.3	1.4	< 0.1	1.4
R19	3.2	< 0.1	3.2	2.4	< 0.1	2.4	1.2	< 0.1	1.2
R20	3.2	< 0.1	3.2	2.4	< 0.1	2.4	1.6	< 0.1	1.6
R21	3.0	< 0.1	3.0	2.3	< 0.1	2.3	1.5	< 0.1	1.5
R22	2.5	< 0.1	2.5	1.9	< 0.1	1.9	1.3	0.2	1.5
R23	2.4	< 0.1	2.4	1.8	< 0.1	1.8	1.1	< 0.1	1.1
R24	2.2	< 0.1	2.2	1.7	< 0.1	1.7	1.1	< 0.1	1.2
R25	2.3	< 0.1	2.3	1.8	< 0.1	1.8	1.0	< 0.1	1.0
R26	2.1	< 0.1	2.1	1.6	< 0.1	1.6	0.9	< 0.1	1.0
R27	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.5	< 0.1	0.6
R28	2.9	< 0.1	2.9	2.2	< 0.1	2.2	1.4	0.2	1.6
R29	2.6	< 0.1	2.6	2.0	< 0.1	2.0	1.5	0.1	1.6
R30	2.7	< 0.1	2.7	2.0	< 0.1	2.0	1.5	0.1	1.6

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	3.4	< 0.1	3.4	2.6	< 0.1	2.6	1.4	< 0.1	1.4
R32	2.7	< 0.1	2.7	2.0	< 0.1	2.0	1.1	< 0.1	1.1
R33	2.2	< 0.1	2.2	1.7	< 0.1	1.7	1.0	< 0.1	1.0
R34	2.3	< 0.1	2.3	1.7	< 0.1	1.7	1.0	< 0.1	1.0
R35	2.3	0.2	2.5	1.8	0.1	1.9	1.2	< 0.1	1.2
R36	3.0	< 0.1	3.0	2.2	< 0.1	2.2	1.3	< 0.1	1.3
R37	3.0	< 0.1	3.0	2.2	< 0.1	2.2	1.3	< 0.1	1.3
R38	8.3	< 0.1	8.3	6.3	< 0.1	6.3	3.3	< 0.1	3.3
R39	5.3	0.2	5.4	4.0	0.1	4.1	1.7	< 0.1	1.7
R40	11.6	0.2	11.8	8.8	0.1	9.0	2.5	0.2	2.7
R41	24.5	0.2	24.6	18.6	0.1	18.7	3.8	< 0.1	3.9
R42	10.8	0.2	10.9	8.2	0.1	8.3	3.1	< 0.1	3.2
R43	5.8	0.2	5.9	4.4	0.1	4.5	2.2	0.1	2.4
R44	7.3	< 0.1	7.3	5.5	< 0.1	5.5	3.3	< 0.1	3.3
R45	6.9	< 0.1	6.9	5.2	< 0.1	5.2	2.8	< 0.1	2.8
R46	4.2	0.2	4.3	3.1	0.1	3.3	1.9	< 0.1	1.9
R47	6.2	0.7	6.9	4.7	0.5	5.2	1.8	< 0.1	1.8
R48	7.4	0.5	7.9	5.6	0.4	6.0	1.7	< 0.1	1.7
R49	8.0	0.2	8.2	6.1	0.1	6.2	1.7	< 0.1	1.7
R50	5.3	0.2	5.4	4.0	0.1	4.1	1.4	< 0.1	1.4
R51	4.2	0.2	4.3	3.2	0.1	3.3	1.3	< 0.1	1.3
R52	4.6	0.2	4.8	3.5	0.1	3.6	1.6	< 0.1	1.6
R53	3.8	< 0.1	3.8	2.9	< 0.1	2.9	1.3	< 0.1	1.3
R54	3.1	< 0.1	3.1	2.4	< 0.1	2.4	1.2	< 0.1	1.2
R55	3.4	< 0.1	3.4	2.6	< 0.1	2.6	1.4	< 0.1	1.4
R56	3.6	0.2	3.7	2.7	0.1	2.8	1.6	0.1	1.7
R57	3.0	< 0.1	3.0	2.3	< 0.1	2.3	1.2	< 0.1	1.2
R58	3.2	< 0.1	3.2	2.4	< 0.1	2.4	1.3	< 0.1	1.3
R59	4.7	< 0.1	4.7	3.5	< 0.1	3.5	1.6	< 0.1	1.6
R60	3.7	< 0.1	3.7	2.8	< 0.1	2.8	1.4	< 0.1	1.4
R61	3.8	< 0.1	3.8	2.9	< 0.1	2.9	1.5	< 0.1	1.5
R62	4.6	0.5	5.1	3.5	0.4	3.9	1.2	< 0.1	1.2
R63	3.8	< 0.1	3.8	2.8	< 0.1	2.8	1.1	< 0.1	1.1
R64	3.8	0.8	4.6	2.9	0.6	3.5	1.0	< 0.1	1.0
R65	3.5	< 0.1	3.5	2.7	< 0.1	2.7	1.8	< 0.1	1.8

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	4.3	< 0.1	4.3	3.2	< 0.1	3.2	1.6	< 0.1	1.6
R67	2.9	< 0.1	2.9	2.2	< 0.1	2.2	1.8	< 0.1	1.8
R68	2.8	0.3	3.1	2.1	0.2	2.4	0.8	< 0.1	0.8
R69	2.4	0.2	2.6	1.8	0.1	1.9	0.7	< 0.1	0.7
R70	3.1	0.3	3.4	2.3	0.2	2.6	0.9	< 0.1	0.9
R71	6.2	0.3	6.6	4.7	0.2	5.0	1.8	0.2	2.0
R72	7.2	0.3	7.6	5.5	0.2	5.7	2.0	0.2	2.2
R73	8.2	0.3	8.5	6.2	0.2	6.4	2.1	0.2	2.3
R74	5.7	0.7	6.4	4.3	0.5	4.8	2.4	< 0.1	2.4
R75	3.3	< 0.1	3.3	2.5	< 0.1	2.5	1.9	< 0.1	1.9
R76	3.5	< 0.1	3.5	2.6	< 0.1	2.6	1.5	< 0.1	1.5
R77	5.5	0.5	6.0	4.2	0.4	4.5	1.5	< 0.1	1.5
R78	5.1	0.2	5.3	3.9	0.1	4.0	1.4	< 0.1	1.5
R79	3.7	< 0.1	3.7	2.8	< 0.1	2.8	1.4	< 0.1	1.4
R80	2.4	0.8	3.3	1.8	0.6	2.5	0.8	< 0.1	0.8
R81	4.6	< 0.1	4.6	3.5	< 0.1	3.5	1.4	< 0.1	1.4
R82	4.3	< 0.1	4.3	3.2	< 0.1	3.2	2.1	< 0.1	2.1
R83	4.7	0.2	4.8	3.5	0.1	3.7	1.4	0.2	1.6
R84	4.0	< 0.1	4.0	3.0	< 0.1	3.0	1.2	< 0.1	1.2
R85	5.2	0.2	5.4	4.0	0.1	4.1	1.2	< 0.1	1.2
R86	5.5	0.2	5.6	4.1	0.1	4.3	1.5	< 0.1	1.5
R87	4.2	0.5	4.7	3.2	0.4	3.5	1.4	< 0.1	1.4
R88	3.8	0.8	4.6	2.8	0.6	3.5	1.0	< 0.1	1.1
R89	3.4	0.8	4.2	2.5	0.6	3.2	1.0	< 0.1	1.0
R90	2.5	< 0.1	2.5	1.9	< 0.1	1.9	0.9	< 0.1	0.9
R91	3.4	0.5	3.9	2.6	0.4	3.0	1.3	< 0.1	1.3
R92	3.0	0.8	3.8	2.3	0.6	2.9	0.9	< 0.1	1.0
R93	3.6	< 0.1	3.6	2.7	< 0.1	2.7	1.2	< 0.1	1.2
R94	3.9	0.2	4.0	2.9	0.1	3.0	1.1	< 0.1	1.1
R95	3.1	< 0.1	3.1	2.4	< 0.1	2.4	1.0	< 0.1	1.0
R96	3.4	0.3	3.7	2.6	0.2	2.8	1.5	< 0.1	1.5
R97	3.9	0.2	4.1	3.0	0.1	3.1	1.4	< 0.1	1.4
R98	2.5	< 0.1	2.5	1.9	< 0.1	1.9	1.4	< 0.1	1.4
R99	3.8	< 0.1	3.8	2.9	< 0.1	2.9	1.6	< 0.1	1.6
R100	3.0	< 0.1	3.0	2.3	< 0.1	2.3	1.2	< 0.1	1.2

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	2.7	0.3	3.0	2.0	0.2	2.3	1.3	< 0.1	1.3
R102	2.7	0.2	2.9	2.1	0.1	2.2	1.2	< 0.1	1.2
R103	2.6	< 0.1	2.6	1.9	< 0.1	1.9	1.0	< 0.1	1.0
R104	2.2	< 0.1	2.2	1.6	< 0.1	1.6	0.9	< 0.1	1.0
R105	1.7	0.3	2.0	1.3	0.2	1.5	0.6	< 0.1	0.6
R106	2.1	< 0.1	2.1	1.6	< 0.1	1.6	0.8	< 0.1	0.8
R107	2.4	< 0.1	2.4	1.8	< 0.1	1.8	1.1	< 0.1	1.1
R108	3.7	< 0.1	3.7	2.8	< 0.1	2.8	1.3	< 0.1	1.3
R109	3.2	< 0.1	3.2	2.4	< 0.1	2.4	2.0	< 0.1	2.0
R110	2.9	< 0.1	2.9	2.2	< 0.1	2.2	1.3	< 0.1	1.3
R111	2.5	< 0.1	2.5	1.9	< 0.1	1.9	1.2	< 0.1	1.2
R112	3.3	< 0.1	3.3	2.5	< 0.1	2.5	1.6	< 0.1	1.6
R113	3.2	< 0.1	3.2	2.4	< 0.1	2.4	1.6	< 0.1	1.6
R114	1.8	< 0.1	1.8	1.4	< 0.1	1.4	0.5	< 0.1	0.6
R115	2.2	< 0.1	2.2	1.7	< 0.1	1.7	0.9	< 0.1	0.9
R116	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.5	< 0.1	0.5
R117	1.9	< 0.1	1.9	1.5	< 0.1	1.5	0.7	< 0.1	0.7
R118	2.5	< 0.1	2.5	1.9	< 0.1	1.9	1.0	< 0.1	1.0
R119	2.7	< 0.1	2.7	2.0	< 0.1	2.0	1.5	< 0.1	1.5
R120	3.0	< 0.1	3.0	2.3	< 0.1	2.3	1.4	< 0.1	1.4
R121	2.6	< 0.1	2.6	1.9	< 0.1	1.9	1.2	< 0.1	1.2
R122	2.8	0.3	3.1	2.1	0.2	2.4	1.6	0.1	1.7
R123	2.6	0.3	2.9	1.9	0.2	2.2	1.6	< 0.1	1.7
R124	2.2	< 0.1	2.3	1.6	< 0.1	1.7	1.4	< 0.1	1.5
R125	2.4	< 0.1	2.4	1.8	< 0.1	1.8	1.3	< 0.1	1.4
R126	1.9	< 0.1	1.9	1.4	< 0.1	1.4	0.9	< 0.1	0.9
R127	3.8	0.2	3.9	2.9	0.1	3.0	1.6	< 0.1	1.6
R128	4.8	0.2	5.0	3.6	0.1	3.8	1.6	< 0.1	1.6

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	17.2	< 0.1	17.2	3.0	0.6	3.6
R2	19.0	< 0.1	19.0	2.6	0.2	2.8
R3	16.6	< 0.1	16.6	2.4	0.2	2.6
R4	19.2	< 0.1	19.2	2.6	0.8	3.4
R5	12.6	2.9	15.5	2.1	0.1	2.2
R6	19.0	< 0.1	19.0	3.0	< 0.1	3.0
R7	9.6	< 0.1	9.6	2.1	1.3	3.4
R8	8.8	< 0.1	8.8	1.9	0.7	2.6
R9	8.9	< 0.1	8.9	2.5	0.2	2.7
R10	11.7	< 0.1	11.7	3.0	0.6	3.6
R11	9.2	< 0.1	9.2	3.0	< 0.1	3.0
R12	16.6	2.9	19.5	3.4	0.4	3.7
R13	17.5	2.9	20.4	2.7	0.4	3.1
R14	20.4	2.9	23.3	2.2	4.6	6.8
R15	11.0	< 0.1	11.0	1.6	8.2	9.8
R16	3.0	< 0.1	3.0	0.7	0.1	0.8
R17	2.9	< 0.1	2.9	0.6	1.1	1.6
R18	2.8	< 0.1	2.8	0.6	1.1	1.6
R19	3.1	< 0.1	3.1	0.9	0.2	1.1
R20	3.0	< 0.1	3.0	1.1	< 0.1	1.1
R21	2.9	< 0.1	2.9	0.9	0.1	1.1
R22	2.3	< 0.1	2.3	0.7	0.8	1.6
R23	2.3	< 0.1	2.3	0.8	0.2	1.0
R24	2.1	< 0.1	2.1	0.7	0.2	1.0
R25	2.2	< 0.1	2.2	0.6	0.2	0.8
R26	2.0	< 0.1	2.0	0.4	2.5	2.9
R27	1.4	< 0.1	1.4	0.2	1.8	2.0
R28	2.7	2.9	5.6	0.9	0.8	1.7
R29	2.5	< 0.1	2.5	0.9	< 0.1	0.9
R30	2.6	< 0.1	2.6	0.9	< 0.1	0.9

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	3.2	< 0.1	3.2	0.9	0.2	1.1
R32	2.5	< 0.1	2.5	0.5	< 0.1	0.5
R33	2.1	< 0.1	2.1	0.5	0.2	0.7
R34	2.1	< 0.1	2.1	0.5	0.2	0.8
R35	2.2	2.9	5.1	0.7	0.2	0.9
R36	2.8	< 0.1	2.8	0.6	1.1	1.6
R37	2.8	< 0.1	2.8	0.6	1.1	1.6
R38	7.8	< 0.1	7.8	1.9	0.2	2.2
R39	5.0	< 0.1	5.0	0.7	1.0	1.7
R40	11.1	< 0.1	11.1	1.6	9.8	11.3
R41	23.2	< 0.1	23.2	3.7	0.5	4.2
R42	10.2	< 0.1	10.2	3.1	0.5	3.6
R43	5.5	< 0.1	5.5	2.1	1.5	3.7
R44	6.9	< 0.1	6.9	3.1	< 0.1	3.1
R45	6.5	< 0.1	6.5	2.6	< 0.1	2.6
R46	3.9	< 0.1	3.9	1.9	0.2	2.2
R47	5.9	2.9	8.8	1.7	< 0.1	1.7
R48	7.0	2.9	9.9	1.7	0.2	2.0
R49	7.6	< 0.1	7.6	1.6	0.7	2.4
R50	5.0	2.9	7.9	1.4	0.1	1.5
R51	4.0	2.9	6.8	1.0	0.2	1.2
R52	4.4	< 0.1	4.4	1.2	0.7	1.9
R53	3.6	< 0.1	3.6	1.1	0.2	1.3
R54	3.0	< 0.1	3.0	0.7	< 0.1	0.7
R55	3.2	< 0.1	3.2	1.1	0.2	1.4
R56	3.4	2.9	6.2	1.1	0.8	1.9
R57	2.8	< 0.1	2.8	0.7	0.5	1.2
R58	3.0	< 0.1	3.0	1.1	0.2	1.4
R59	4.4	< 0.1	4.4	0.9	< 0.1	0.9
R60	3.5	< 0.1	3.5	0.7	< 0.1	0.7
R61	3.7	1.4	5.1	1.1	0.4	1.5
R62	4.4	2.9	7.2	0.6	0.2	0.8
R63	3.6	< 0.1	3.6	0.9	0.6	1.5
R64	3.6	2.9	6.5	0.5	1.3	1.8
R65	3.4	< 0.1	3.4	1.0	< 0.1	1.0

Rec.	1-hour (µg/m³)			24-hour (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	4.1	< 0.1	4.1	0.8	0.1	0.9
R67	2.7	< 0.1	2.7	0.7	0.4	1.1
R68	2.7	1.4	4.1	0.4	1.8	2.2
R69	2.3	< 0.1	2.3	0.6	0.6	1.2
R70	2.9	< 0.1	2.9	0.7	0.6	1.3
R71	5.9	< 0.1	5.9	1.1	8.2	9.3
R72	6.9	< 0.1	6.9	1.3	8.2	9.5
R73	7.8	< 0.1	7.8	1.4	8.2	9.6
R74	5.4	2.9	8.3	1.6	< 0.1	1.6
R75	3.2	< 0.1	3.2	0.9	< 0.1	0.9
R76	3.3	< 0.1	3.3	1.0	< 0.1	1.0
R77	5.2	2.9	8.1	1.0	0.4	1.3
R78	4.9	< 0.1	4.9	1.4	0.4	1.8
R79	3.6	1.4	5.0	1.0	0.4	1.4
R80	2.3	2.9	5.2	0.4	1.3	1.7
R81	4.4	< 0.1	4.4	1.0	< 0.1	1.0
R82	4.1	< 0.1	4.1	1.4	< 0.1	1.4
R83	4.4	2.9	7.3	0.7	< 0.1	0.7
R84	3.8	< 0.1	3.8	0.5	0.6	1.1
R85	5.0	< 0.1	5.0	1.2	0.4	1.5
R86	5.2	< 0.1	5.2	1.2	0.4	1.5
R87	4.0	2.9	6.8	0.7	0.4	1.1
R88	3.6	2.9	6.4	0.5	2.3	2.8
R89	3.2	2.9	6.1	0.4	2.3	2.7
R90	2.4	< 0.1	2.4	0.4	1.3	1.7
R91	3.3	2.9	6.1	0.6	0.4	1.0
R92	2.8	2.9	5.7	0.4	2.3	2.7
R93	3.4	1.4	4.8	0.8	0.4	1.2
R94	3.7	< 0.1	3.7	0.9	0.4	1.3
R95	3.0	< 0.1	3.0	0.8	0.4	1.2
R96	3.2	2.9	6.1	1.2	< 0.1	1.2
R97	3.7	< 0.1	3.7	0.9	0.7	1.7
R98	2.4	< 0.1	2.4	1.1	< 0.1	1.1
R99	3.6	2.9	6.5	1.0	< 0.1	1.0
R100	2.9	1.4	4.3	0.6	< 0.1	0.6

Rec.	1-hour (µg/m³)			24-hour (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	2.5	2.9	5.4	1.0	< 0.1	1.0
R102	2.6	2.9	5.5	0.9	0.2	1.1
R103	2.4	< 0.1	2.4	0.7	0.2	0.9
R104	2.0	< 0.1	2.0	0.4	2.5	2.9
R105	1.6	2.9	4.5	0.3	0.7	1.0
R106	2.0	< 0.1	2.0	0.3	1.8	2.1
R107	2.2	< 0.1	2.2	0.4	1.0	1.4
R108	3.5	< 0.1	3.5	0.6	0.2	0.9
R109	3.0	< 0.1	3.0	0.7	< 0.1	0.7
R110	2.7	< 0.1	2.7	0.6	0.4	1.0
R111	2.4	< 0.1	2.4	0.4	< 0.1	0.4
R112	3.2	< 0.1	3.2	0.7	1.1	1.8
R113	3.1	< 0.1	3.1	0.6	< 0.1	0.6
R114	1.7	< 0.1	1.7	0.2	1.4	1.6
R115	2.1	< 0.1	2.1	0.4	0.6	1.0
R116	1.4	< 0.1	1.4	0.2	< 0.1	0.2
R117	1.8	2.9	4.7	0.3	0.6	0.9
R118	2.3	< 0.1	2.3	0.5	0.1	0.6
R119	2.6	< 0.1	2.6	0.5	< 0.1	0.5
R120	2.9	< 0.1	2.9	0.6	1.1	1.6
R121	2.4	2.9	5.3	0.6	0.8	1.4
R122	2.7	< 0.1	2.7	1.1	< 0.1	1.1
R123	2.4	< 0.1	2.4	1.1	0.5	1.6
R124	2.1	< 0.1	2.1	0.7	0.5	1.2
R125	2.3	< 0.1	2.3	1.1	1.5	2.7
R126	1.8	< 0.1	1.8	0.5	< 0.1	0.5
R127	3.6	2.9	6.4	1.3	0.1	1.4
R128	4.5	< 0.1	4.5	1.5	< 0.1	1.5

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	6.23E-08	4.21E-03	1.52E-03	1.06E-03	4.28E-04
R2	7.68E-08	5.19E-03	1.87E-03	1.30E-03	5.27E-04
R3	7.65E-08	5.17E-03	1.86E-03	1.30E-03	5.25E-04
R4	7.94E-08	5.37E-03	1.93E-03	1.35E-03	5.45E-04
R5	7.11E-08	4.81E-03	1.73E-03	1.21E-03	4.89E-04
R6	6.91E-08	4.67E-03	1.68E-03	1.17E-03	4.75E-04
R7	6.36E-08	4.30E-03	1.55E-03	1.08E-03	4.37E-04
R8	6.08E-08	4.11E-03	1.48E-03	1.03E-03	4.18E-04
R9	4.41E-08	2.98E-03	1.07E-03	7.49E-04	3.03E-04
R10	5.68E-08	3.84E-03	1.38E-03	9.64E-04	3.90E-04
R11	6.32E-08	4.28E-03	1.54E-03	1.07E-03	4.34E-04
R12	6.54E-08	4.42E-03	1.59E-03	1.11E-03	4.49E-04
R13	5.42E-08	3.66E-03	1.32E-03	9.19E-04	3.72E-04
R14	6.00E-08	4.06E-03	1.46E-03	1.02E-03	4.12E-04
R15	5.47E-08	3.70E-03	1.33E-03	9.29E-04	3.76E-04
R16	2.61E-08	1.77E-03	6.36E-04	4.43E-04	1.79E-04
R17	1.93E-08	1.30E-03	4.69E-04	3.27E-04	1.32E-04
R18	1.97E-08	1.33E-03	4.79E-04	3.34E-04	1.35E-04
R19	2.23E-08	1.51E-03	5.43E-04	3.78E-04	1.53E-04
R20	2.12E-08	1.43E-03	5.16E-04	3.60E-04	1.45E-04
R21	2.02E-08	1.37E-03	4.93E-04	3.44E-04	1.39E-04
R22	1.96E-08	1.32E-03	4.77E-04	3.32E-04	1.34E-04
R23	1.95E-08	1.32E-03	4.76E-04	3.32E-04	1.34E-04
R24	1.89E-08	1.28E-03	4.59E-04	3.20E-04	1.30E-04
R25	1.75E-08	1.18E-03	4.26E-04	2.97E-04	1.20E-04
R26	1.55E-08	1.05E-03	3.78E-04	2.64E-04	1.07E-04
R27	1.15E-08	7.79E-04	2.80E-04	1.95E-04	7.91E-05
R28	2.14E-08	1.45E-03	5.22E-04	3.64E-04	1.47E-04
R29	2.11E-08	1.43E-03	5.13E-04	3.58E-04	1.45E-04
R30	1.97E-08	1.33E-03	4.79E-04	3.34E-04	1.35E-04
R31	2.56E-08	1.73E-03	6.24E-04	4.35E-04	1.76E-04
R32	1.82E-08	1.23E-03	4.43E-04	3.09E-04	1.25E-04

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	1.59E-08	1.08E-03	3.87E-04	2.70E-04	1.09E-04
R34	1.60E-08	1.08E-03	3.91E-04	2.72E-04	1.10E-04
R35	1.80E-08	1.22E-03	4.38E-04	3.05E-04	1.24E-04
R36	1.86E-08	1.26E-03	4.52E-04	3.16E-04	1.28E-04
R37	1.92E-08	1.30E-03	4.68E-04	3.27E-04	1.32E-04
R38	5.72E-08	3.87E-03	1.39E-03	9.71E-04	3.93E-04
R39	3.15E-08	2.13E-03	7.66E-04	5.34E-04	2.16E-04
R40	6.53E-08	4.41E-03	1.59E-03	1.11E-03	4.48E-04
R41	6.32E-08	4.27E-03	1.54E-03	1.07E-03	4.34E-04
R42	4.73E-08	3.20E-03	1.15E-03	8.04E-04	3.25E-04
R43	3.98E-08	2.69E-03	9.70E-04	6.76E-04	2.74E-04
R44	5.56E-08	3.76E-03	1.35E-03	9.43E-04	3.82E-04
R45	4.76E-08	3.22E-03	1.16E-03	8.09E-04	3.27E-04
R46	3.62E-08	2.45E-03	8.81E-04	6.14E-04	2.48E-04
R47	3.73E-08	2.52E-03	9.09E-04	6.34E-04	2.56E-04
R48	4.01E-08	2.71E-03	9.76E-04	6.81E-04	2.75E-04
R49	4.06E-08	2.74E-03	9.87E-04	6.88E-04	2.79E-04
R50	3.69E-08	2.49E-03	8.98E-04	6.26E-04	2.53E-04
R51	2.63E-08	1.78E-03	6.39E-04	4.46E-04	1.80E-04
R52	2.45E-08	1.66E-03	5.97E-04	4.16E-04	1.69E-04
R53	2.45E-08	1.66E-03	5.96E-04	4.16E-04	1.68E-04
R54	1.96E-08	1.33E-03	4.78E-04	3.33E-04	1.35E-04
R55	2.41E-08	1.63E-03	5.86E-04	4.08E-04	1.65E-04
R56	2.37E-08	1.60E-03	5.76E-04	4.02E-04	1.63E-04
R57	2.30E-08	1.55E-03	5.60E-04	3.90E-04	1.58E-04
R58	2.55E-08	1.72E-03	6.21E-04	4.33E-04	1.75E-04
R59	2.81E-08	1.90E-03	6.84E-04	4.77E-04	1.93E-04
R60	2.81E-08	1.90E-03	6.84E-04	4.77E-04	1.93E-04
R61	2.88E-08	1.95E-03	7.00E-04	4.88E-04	1.98E-04
R62	2.65E-08	1.79E-03	6.46E-04	4.50E-04	1.82E-04
R63	2.70E-08	1.83E-03	6.58E-04	4.59E-04	1.86E-04
R64	2.35E-08	1.59E-03	5.71E-04	3.98E-04	1.61E-04
R65	3.03E-08	2.05E-03	7.39E-04	5.15E-04	2.08E-04
R66	2.99E-08	2.02E-03	7.28E-04	5.08E-04	2.05E-04
R67	2.58E-08	1.74E-03	6.27E-04	4.37E-04	1.77E-04
R68	1.86E-08	1.26E-03	4.54E-04	3.16E-04	1.28E-04
R69	1.71E-08	1.15E-03	4.16E-04	2.90E-04	1.17E-04

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	2.43E-08	1.64E-03	5.91E-04	4.12E-04	1.67E-04
R71	3.20E-08	2.16E-03	7.79E-04	5.43E-04	2.20E-04
R72	3.53E-08	2.39E-03	8.60E-04	5.99E-04	2.43E-04
R73	4.07E-08	2.75E-03	9.92E-04	6.91E-04	2.80E-04
R74	3.75E-08	2.53E-03	9.12E-04	6.36E-04	2.57E-04
R75	2.69E-08	1.82E-03	6.54E-04	4.56E-04	1.84E-04
R76	2.41E-08	1.63E-03	5.87E-04	4.09E-04	1.66E-04
R77	2.78E-08	1.88E-03	6.76E-04	4.71E-04	1.91E-04
R78	3.04E-08	2.05E-03	7.40E-04	5.16E-04	2.09E-04
R79	2.69E-08	1.82E-03	6.55E-04	4.57E-04	1.85E-04
R80	1.72E-08	1.16E-03	4.18E-04	2.91E-04	1.18E-04
R81	2.68E-08	1.81E-03	6.53E-04	4.55E-04	1.84E-04
R82	2.95E-08	1.99E-03	7.17E-04	5.00E-04	2.02E-04
R83	2.87E-08	1.94E-03	6.99E-04	4.87E-04	1.97E-04
R84	3.17E-08	2.14E-03	7.71E-04	5.38E-04	2.17E-04
R85	2.39E-08	1.62E-03	5.83E-04	4.06E-04	1.64E-04
R86	2.61E-08	1.76E-03	6.34E-04	4.42E-04	1.79E-04
R87	2.54E-08	1.71E-03	6.17E-04	4.30E-04	1.74E-04
R88	2.45E-08	1.66E-03	5.97E-04	4.16E-04	1.68E-04
R89	2.28E-08	1.54E-03	5.54E-04	3.86E-04	1.56E-04
R90	2.00E-08	1.36E-03	4.88E-04	3.40E-04	1.38E-04
R91	2.34E-08	1.58E-03	5.70E-04	3.98E-04	1.61E-04
R92	2.13E-08	1.44E-03	5.19E-04	3.62E-04	1.47E-04
R93	2.51E-08	1.69E-03	6.10E-04	4.25E-04	1.72E-04
R94	2.47E-08	1.67E-03	6.02E-04	4.20E-04	1.70E-04
R95	2.31E-08	1.56E-03	5.62E-04	3.92E-04	1.59E-04
R96	2.00E-08	1.35E-03	4.87E-04	3.40E-04	1.38E-04
R97	2.20E-08	1.48E-03	5.34E-04	3.73E-04	1.51E-04
R98	1.85E-08	1.25E-03	4.51E-04	3.14E-04	1.27E-04
R99	2.12E-08	1.43E-03	5.15E-04	3.59E-04	1.45E-04
R100	2.02E-08	1.37E-03	4.93E-04	3.44E-04	1.39E-04
R101	1.67E-08	1.13E-03	4.07E-04	2.84E-04	1.15E-04
R102	2.06E-08	1.39E-03	5.00E-04	3.49E-04	1.41E-04
R103	1.75E-08	1.19E-03	4.27E-04	2.98E-04	1.20E-04
R104	1.56E-08	1.05E-03	3.80E-04	2.65E-04	1.07E-04
R105	1.17E-08	7.92E-04	2.85E-04	1.99E-04	8.05E-05
R106	1.59E-08	1.07E-03	3.87E-04	2.70E-04	1.09E-04

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	1.88E-08	1.27E-03	4.57E-04	3.19E-04	1.29E-04
R108	2.55E-08	1.72E-03	6.21E-04	4.33E-04	1.75E-04
R109	2.53E-08	1.71E-03	6.16E-04	4.29E-04	1.74E-04
R110	2.10E-08	1.42E-03	5.11E-04	3.56E-04	1.44E-04
R111	2.02E-08	1.37E-03	4.92E-04	3.43E-04	1.39E-04
R112	2.32E-08	1.57E-03	5.65E-04	3.94E-04	1.60E-04
R113	2.33E-08	1.57E-03	5.67E-04	3.95E-04	1.60E-04
R114	1.53E-08	1.04E-03	3.73E-04	2.60E-04	1.05E-04
R115	1.55E-08	1.05E-03	3.77E-04	2.63E-04	1.06E-04
R116	1.02E-08	6.91E-04	2.49E-04	1.73E-04	7.02E-05
R117	1.30E-08	8.82E-04	3.18E-04	2.21E-04	8.96E-05
R118	1.98E-08	1.34E-03	4.81E-04	3.35E-04	1.36E-04
R119	2.26E-08	1.53E-03	5.50E-04	3.83E-04	1.55E-04
R120	2.02E-08	1.37E-03	4.92E-04	3.43E-04	1.39E-04
R121	1.81E-08	1.22E-03	4.40E-04	3.07E-04	1.24E-04
R122	2.21E-08	1.49E-03	5.37E-04	3.75E-04	1.52E-04
R123	2.35E-08	1.59E-03	5.72E-04	3.99E-04	1.61E-04
R124	1.81E-08	1.22E-03	4.40E-04	3.07E-04	1.24E-04
R125	2.05E-08	1.39E-03	5.00E-04	3.49E-04	1.41E-04
R126	1.39E-08	9.41E-04	3.39E-04	2.36E-04	9.56E-05
R127	2.72E-08	1.84E-03	6.63E-04	4.62E-04	1.87E-04
R128	2.87E-08	1.94E-03	6.99E-04	4.87E-04	1.97E-04
Max. at boundary	9.66E-08	6.54E-03	—	—	6.64E-04

Nitrogen dioxide (NO₂)

Maximum 1-hour concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour (max incr.) ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.
Criterion			164
R1	6 658.3	10.2	6 668.5
R2	6 708.4	12.3	6 720.7
R3	6 002.0	12.3	6 014.3
R4	6 776.1	12.3	6 788.4
R5	4 933.8	8.2	4 942.0
R6	7 269.6	12.3	7 281.9
R7	4 151.4	12.3	4 163.7
R8	3 996.9	12.3	4 009.2
R9	3 891.8	10.2	3 902.1
R10	4 884.0	10.2	4 894.2
R11	3 780.1	10.2	3 790.3
R12	5 610.7	8.2	5 618.9
R13	5 926.5	8.2	5 934.7
R14	6 533.6	4.1	6 537.7
R15	3 720.5	10.2	3 730.7
R16	2 965.2	2.0	2 967.3
R17	3 522.2	2.0	3 524.2
R18	3 398.9	2.0	3 401.0
R19	2 384.6	< 0.1	2 384.6
R20	2 589.8	2.0	2 591.8
R21	2 579.2	2.0	2 581.3
R22	2 180.6	8.2	2 188.8
R23	2 360.7	2.0	2 362.7
R24	2 265.7	2.0	2 267.7
R25	2 124.1	10.2	2 134.3
R26	2 062.2	10.2	2 072.5
R27	1 404.8	10.2	1 415.1
R28	2 382.9	10.2	2 393.1
R29	2 340.5	8.2	2 348.7
R30	2 211.5	2.0	2 213.5

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R31	2 256.2	8.2	2 264.4
R32	2 239.5	10.2	2 249.7
R33	2 027.4	10.2	2 037.7
R34	2 059.9	10.2	2 070.1
R35	2 058.6	2.0	2 060.7
R36	3 255.7	2.0	3 257.7
R37	3 316.6	2.0	3 318.7
R38	4 133.6	2.0	4 135.7
R39	2 011.7	34.9	2 046.6
R40	3 703.2	34.9	3 738.1
R41	9 469.0	12.3	9 481.3
R42	4 931.5	6.1	4 937.6
R43	2 993.7	12.3	3 006.0
R44	3 398.3	12.3	3 410.6
R45	3 418.3	12.3	3 430.6
R46	2 077.2	10.2	2 087.4
R47	2 787.9	8.2	2 796.1
R48	3 256.3	8.2	3 264.5
R49	3 950.9	12.3	3 963.2
R50	2 860.9	10.2	2 871.2
R51	2 443.5	8.2	2 451.7
R52	3 066.8	12.3	3 079.1
R53	2 473.8	< 0.1	2 473.8
R54	2 300.1	10.2	2 310.3
R55	2 364.3	2.0	2 366.3
R56	2 700.6	10.2	2 710.8
R57	2 049.1	10.2	2 059.3
R58	2 218.7	6.1	2 224.9
R59	3 139.4	6.1	3 145.6
R60	2 490.6	6.1	2 496.8
R61	2 397.8	12.3	2 410.1
R62	2 753.8	4.1	2 757.9
R63	1 951.9	6.1	1 958.1
R64	2 130.5	8.2	2 138.7
R65	2 766.0	2.0	2 768.0

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R66	3 139.5	< 0.1	3 139.5
R67	2 143.1	6.1	2 149.3
R68	1 789.6	4.1	1 793.7
R69	1 487.1	4.1	1 491.2
R70	1 580.8	4.1	1 584.9
R71	2 753.3	10.2	2 763.6
R72	3 435.8	10.2	3 446.0
R73	3 723.1	10.2	3 733.4
R74	2 803.3	12.3	2 815.6
R75	2 330.6	< 0.1	2 330.6
R76	2 458.4	< 0.1	2 458.4
R77	3 200.5	4.1	3 204.6
R78	3 109.9	4.1	3 114.0
R79	2 445.4	12.3	2 457.7
R80	1 788.7	10.2	1 799.0
R81	3 118.2	6.1	3 124.4
R82	2 896.1	16.4	2 912.5
R83	3 675.5	22.6	3 698.1
R84	2 831.5	4.1	2 835.6
R85	3 469.7	4.1	3 473.8
R86	3 487.9	4.1	3 492.0
R87	2 850.0	10.2	2 860.2
R88	2 146.2	12.3	2 158.5
R89	2 080.9	14.3	2 095.2
R90	2 192.7	8.2	2 200.9
R91	2 741.4	10.2	2 751.6
R92	2 152.0	8.2	2 160.2
R93	2 519.0	12.3	2 531.3
R94	2 785.0	4.1	2 789.1
R95	2 398.4	12.3	2 410.7
R96	2 471.7	8.2	2 479.9
R97	2 939.5	12.3	2 951.8
R98	2 169.9	2.0	2 172.0
R99	2 884.7	2.0	2 886.7
R100	2 261.1	6.1	2 267.3

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R101	2 176.8	8.2	2 185.0
R102	2 344.9	2.0	2 347.0
R103	2 157.2	< 0.1	2 157.2
R104	2 086.4	10.2	2 096.7
R105	1 247.7	4.1	1 251.8
R106	1 753.6	10.2	1 763.9
R107	1 990.0	6.1	1 996.1
R108	2 959.7	< 0.1	2 959.7
R109	2 880.7	2.0	2 882.8
R110	2 658.7	< 0.1	2 658.7
R111	2 164.0	4.1	2 168.1
R112	2 982.3	2.0	2 984.4
R113	3 177.8	2.0	3 179.9
R114	1 823.3	6.1	1 829.4
R115	1 895.9	6.1	1 902.0
R116	1 400.3	10.2	1 410.5
R117	1 828.9	4.1	1 833.0
R118	2 539.6	2.0	2 541.7
R119	2 011.4	2.0	2 013.4
R120	3 261.1	2.0	3 263.2
R121	2 059.5	20.5	2 080.0
R122	2 318.3	10.2	2 328.6
R123	2 437.4	< 0.1	2 437.4
R124	2 045.5	< 0.1	2 045.5
R125	2 389.9	< 0.1	2 389.9
R126	2 177.5	< 0.1	2 177.5
R127	2 409.8	10.2	2 420.1
R128	2 791.1	12.3	2 803.4

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	51 552.7	27/09/2021 06:00	5 155.3	0.16	1.09	0.635	0.1	0.03	6 658.3	10.2	6 668.5
R2	56 667.6	02/10/2021 06:00	5 666.8	0.62	< 0.1	0.635	0.1	0.02	6 708.4	12.3	6 720.7
R3	49 479.0	02/10/2021 06:00	4 947.9	0.62	< 0.1	0.635	0.1	0.02	6 002.0	12.3	6 014.3
R4	57 371.9	02/10/2021 06:00	5 737.2	0.62	< 0.1	0.635	0.1	0.02	6 776.1	12.3	6 788.4
R5	37 638.9	29/04/2021 07:00	3 763.9	0.34	< 0.1	0.635	0.1	0.03	4 933.8	8.2	4 942.0
R6	56 871.1	02/10/2021 06:00	5 687.1	0.62	< 0.1	0.635	0.1	0.03	7 269.6	12.3	7 281.9
R7	28 619.4	02/10/2021 06:00	2 861.9	0.62	< 0.1	0.635	0.1	0.05	4 151.4	12.3	4 163.7
R8	26 168.1	25/09/2021 06:00	2 616.8	0.53	4.36	0.635	0.1	0.06	3 996.9	12.3	4 009.2
R9	26 496.2	27/09/2021 06:00	2 649.6	0.16	1.09	0.635	0.1	0.05	3 891.8	10.2	3 902.1
R10	35 093.6	27/09/2021 06:00	3 509.4	0.16	1.09	0.635	0.1	0.04	4 884.0	10.2	4 894.2
R11	27 480.3	27/09/2021 06:00	2 748.0	0.16	1.09	0.635	0.1	0.04	3 780.1	10.2	3 790.3
R12	49 652.4	19/08/2021 07:00	4 965.2	0.16	4.36	0.49	0.05	0.01	5 610.7	8.2	5 618.9
R13	52 381.7	19/08/2021 07:00	5 238.2	0.16	4.36	0.49	0.05	0.01	5 926.5	8.2	5 934.7
R14	61 076.4	20/08/2021 07:00	6 107.6	< 0.1	1.09	0.49	0.05	0.01	6 533.6	4.1	6 537.7
R15	32 746.1	16/06/2021 08:00	3 274.6	0.19	< 0.1	0.49	0.05	0.02	3 720.5	10.2	3 730.7
R16	8 386.2	12/09/2021 17:00	838.6	3.62	45.78	0.85	0.1	0.28	2 965.2	2.0	2 967.3
R17	8 722.2	15/11/2021 04:00	872.2	2.57	22.89	0.74	0.1	0.34	3 522.2	2.0	3 524.2
R18	8 488.3	15/11/2021 04:00	848.8	2.57	22.89	0.74	0.1	0.33	3 398.9	2.0	3 401.0
R19	9 141.0	02/01/2021 05:00	914.1	1.04	6.54	0.67	0.1	0.18	2 384.6	< 0.1	2 384.6
R20	8 955.5	14/09/2021 06:00	895.6	2.12	25.07	0.74	0.1	0.21	2 589.8	2.0	2 591.8
R21	8 606.7	14/09/2021 06:00	860.7	2.12	25.07	0.74	0.1	0.22	2 579.2	2.0	2 581.3
R22	6 506.6	20/05/2021 17:00	650.7	1.16	22.89	0.74	0.1	0.26	2 180.6	8.2	2 188.8
R23	6 748.9	21/09/2021 17:00	674.9	2.19	32.70	0.8	0.1	0.28	2 360.7	2.0	2 362.7
R24	6 346.5	21/09/2021 17:00	634.7	2.19	32.70	0.8	0.1	0.29	2 265.7	2.0	2 267.7
R25	6 235.1	22/12/2021 01:00	623.5	1.13	37.61	0.74	0.1	0.27	2 124.1	10.2	2 134.3
R26	5 907.9	22/12/2021 00:00	590.8	1.77	37.61	0.74	0.1	0.28	2 062.2	10.2	2 072.5
R27	4 291.3	19/12/2021 20:00	429.1	2.07	37.61	0.74	0.1	0.25	1 404.8	10.2	1 415.1
R28	7 768.5	16/12/2021 05:00	776.8	1.29	37.61	0.74	0.1	0.23	2 382.9	10.2	2 393.1
R29	7 507.0	20/05/2021 17:00	750.7	1.16	22.89	0.74	0.1	0.24	2 340.5	8.2	2 348.7
R30	7 060.6	14/09/2021 06:00	706.1	2.12	25.07	0.74	0.1	0.24	2 211.5	2.0	2 213.5
R31	9 562.9	06/09/2021 17:00	956.3	1.76	30.52	0.8	0.1	0.15	2 256.2	8.2	2 264.4
R32	7 596.7	22/12/2021 00:00	759.7	1.77	37.61	0.74	0.1	0.22	2 239.5	10.2	2 249.7

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	5 758.5	22/12/2021 01:00	575.9	1.13	37.61	0.74	0.1	0.28	2 027.4	10.2	2 037.7
R34	5 876.9	22/12/2021 01:00	587.7	1.13	37.61	0.74	0.1	0.28	2 059.9	10.2	2 070.1
R35	6 081.9	21/11/2021 05:00	608.2	1.53	20.71	0.74	0.1	0.26	2 058.6	2.0	2 060.7
R36	8 375.3	15/11/2021 04:00	837.5	2.57	22.89	0.74	0.1	0.32	3 255.7	2.0	3 257.7
R37	8 407.9	15/11/2021 04:00	840.8	2.57	22.89	0.74	0.1	0.33	3 316.6	2.0	3 318.7
R38	23 445.7	14/04/2021 17:00	2 344.6	2.57	28.34	0.74	0.1	0.08	4 133.6	2.0	4 135.7
R39	14 988.1	16/08/2021 07:00	1 498.8	0.22	1.09	0.49	0.05	0.04	2 011.7	34.9	2 046.6
R40	33 043.4	16/08/2021 07:00	3 304.3	0.22	1.09	0.49	0.05	0.01	3 703.2	34.9	3 738.1
R41	69 433.8	02/10/2021 06:00	6 943.4	0.62	< 0.1	0.635	0.1	0.04	9 469.0	12.3	9 481.3
R42	30 557.7	03/10/2021 06:00	3 055.8	0.13	< 0.1	0.635	0.1	0.07	4 931.5	6.1	4 937.6
R43	16 387.6	25/09/2021 06:00	1 638.8	0.53	4.36	0.635	0.1	0.09	2 993.7	12.3	3 006.0
R44	20 634.9	10/02/2021 18:00	2 063.5	2.15	15.26	0.67	0.1	0.07	3 398.3	12.3	3 410.6
R45	19 502.5	10/02/2021 18:00	1 950.3	2.15	15.26	0.67	0.1	0.08	3 418.3	12.3	3 430.6
R46	11 396.7	21/12/2021 23:00	1 139.7	2.45	37.61	0.74	0.1	0.09	2 077.2	10.2	2 087.4
R47	17 670.6	30/04/2021 07:00	1 767.1	0.29	< 0.1	0.635	0.1	0.06	2 787.9	8.2	2 796.1
R48	21 014.0	29/04/2021 07:00	2 101.4	0.34	< 0.1	0.635	0.1	0.06	3 256.3	8.2	3 264.5
R49	22 656.7	25/09/2021 06:00	2 265.7	0.53	4.36	0.635	0.1	0.08	3 950.9	12.3	3 963.2
R50	14 931.2	20/12/2021 05:00	1 493.1	0.77	37.61	0.74	0.1	0.10	2 860.9	10.2	2 871.2
R51	11 870.4	10/02/2021 06:00	1 187.0	1.29	1.09	0.67	0.1	0.12	2 443.5	8.2	2 451.7
R52	13 064.9	25/09/2021 06:00	1 306.5	0.53	4.36	0.635	0.1	0.15	3 066.8	12.3	3 079.1
R53	10 848.2	02/01/2021 05:00	1 084.8	1.04	6.54	0.67	0.1	0.14	2 473.8	< 0.1	2 473.8
R54	8 858.8	22/12/2021 00:00	885.9	1.77	37.61	0.74	0.1	0.18	2 300.1	10.2	2 310.3
R55	8 763.3	21/09/2021 17:00	876.3	2.19	32.70	0.8	0.1	0.19	2 364.3	2.0	2 366.3
R56	10 086.3	16/12/2021 05:00	1 008.6	1.29	37.61	0.74	0.1	0.19	2 700.6	10.2	2 710.8
R57	8 511.1	21/12/2021 23:00	851.1	2.45	37.61	0.74	0.1	0.16	2 049.1	10.2	2 059.3
R58	8 962.8	22/11/2021 18:00	896.3	2.59	20.71	0.74	0.1	0.16	2 218.7	6.1	2 224.9
R59	13 243.7	16/11/2021 18:00	1 324.4	2.27	27.25	0.74	0.1	0.15	3 139.4	6.1	3 145.6
R60	7 918.8	18/01/2021 18:00	791.9	2.27	49.05	0.81	0.15	0.24	2 490.6	6.1	2 496.8
R61	10 917.5	03/02/2021 18:00	1 091.8	2.28	19.62	0.67	0.1	0.13	2 397.8	12.3	2 410.1
R62	13 096.5	01/05/2021 07:00	1 309.7	0.18	< 0.1	0.635	0.1	0.12	2 753.8	4.1	2 757.9
R63	10 654.8	09/04/2021 07:00	1 065.5	0.45	< 0.1	0.635	0.1	0.09	1 951.9	6.1	1 958.1
R64	7 731.6	08/10/2021 17:00	773.2	2.19	38.15	0.8	0.1	0.20	2 130.5	8.2	2 138.7
R65	9 407.6	15/11/2021 04:00	940.8	2.57	22.89	0.74	0.1	0.22	2 766.0	2.0	2 768.0
R66	12 121.6	25/07/2021 06:00	1 212.2	3.83	32.70	0.87	0.07	0.18	3 139.5	< 0.1	3 139.5
R67	7 959.3	14/04/2021 19:00	795.9	1.07	23.98	0.74	0.1	0.19	2 143.1	6.1	2 149.3
R68	7 989.2	20/04/2021 07:00	798.9	< 0.1	< 0.1	0.635	0.1	0.14	1 789.6	4.1	1 793.7

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	6 682.7	14/04/2021 07:00	668.3	< 0.1	< 0.1	0.635	0.1	0.14	1 487.1	4.1	1 491.2
R70	7 926.2	14/04/2021 07:00	792.6	< 0.1	< 0.1	0.635	0.1	0.11	1 580.8	4.1	1 584.9
R71	16 441.4	12/02/2021 06:00	1 644.1	0.23	< 0.1	0.67	0.1	0.07	2 753.3	10.2	2 763.6
R72	19 571.6	12/02/2021 06:00	1 957.2	0.23	< 0.1	0.67	0.1	0.08	3 435.8	10.2	3 446.0
R73	22 504.0	19/12/2021 05:00	2 250.4	0.64	37.61	0.74	0.1	0.07	3 723.1	10.2	3 733.4
R74	14 599.2	04/08/2021 07:00	1 459.9	1.88	25.07	0.83	0.07	0.10	2 803.3	12.3	2 815.6
R75	9 429.6	26/06/2021 16:00	943.0	1.73	29.43	0.83	0.07	0.16	2 330.6	< 0.1	2 330.6
R76	8 168.7	05/10/2021 20:00	816.9	2.56	31.61	0.8	0.1	0.22	2 458.4	< 0.1	2 458.4
R77	15 543.6	01/05/2021 07:00	1 554.4	0.18	< 0.1	0.635	0.1	0.12	3 200.5	4.1	3 204.6
R78	14 546.0	03/01/2021 06:00	1 454.6	< 0.1	2.18	0.67	0.1	0.13	3 109.9	4.1	3 114.0
R79	10 614.0	03/02/2021 18:00	1 061.4	2.28	19.62	0.67	0.1	0.14	2 445.4	12.3	2 457.7
R80	6 177.7	19/12/2021 05:00	617.8	0.64	37.61	0.74	0.1	0.21	1 788.7	10.2	1 799.0
R81	13 040.7	19/02/2021 18:00	1 304.1	2.10	14.17	0.67	0.1	0.15	3 118.2	6.1	3 124.4
R82	12 134.8	14/12/2021 18:00	1 213.5	1.85	22.35	0.67	0.1	0.15	2 896.1	16.4	2 912.5
R83	13 252.6	01/09/2021 17:00	1 325.3	1.60	33.79	0.8	0.1	0.20	3 675.5	22.6	3 698.1
R84	10 530.4	28/03/2021 17:00	1 053.0	2.05	32.70	0.8	0.1	0.19	2 831.5	4.1	2 835.6
R85	14 876.2	03/01/2021 06:00	1 487.6	< 0.1	2.18	0.67	0.1	0.15	3 469.7	4.1	3 473.8
R86	15 503.7	03/01/2021 06:00	1 550.4	< 0.1	2.18	0.67	0.1	0.14	3 487.9	4.1	3 492.0
R87	8 413.0	02/12/2021 18:00	841.3	1.73	42.51	0.81	0.15	0.27	2 850.0	10.2	2 860.2
R88	5 040.7	12/01/2021 18:00	504.1	2.08	65.40	0.88	0.2	0.36	2 146.2	12.3	2 158.5
R89	5 865.1	12/01/2021 19:00	586.5	1.80	53.41	0.81	0.15	0.28	2 080.9	14.3	2 095.2
R90	7 063.4	08/10/2021 17:00	706.3	2.19	38.15	0.8	0.1	0.23	2 192.7	8.2	2 200.9
R91	7 576.7	02/12/2021 18:00	757.7	1.73	42.51	0.81	0.15	0.29	2 741.4	10.2	2 751.6
R92	7 319.4	08/10/2021 17:00	731.9	2.19	38.15	0.8	0.1	0.22	2 152.0	8.2	2 160.2
R93	10 162.8	03/02/2021 18:00	1 016.3	2.28	19.62	0.67	0.1	0.16	2 519.0	12.3	2 531.3
R94	10 931.4	03/01/2021 06:00	1 093.1	< 0.1	2.18	0.67	0.1	0.17	2 785.0	4.1	2 789.1
R95	8 907.5	10/02/2021 20:00	890.7	1.42	10.90	0.67	0.1	0.19	2 398.4	12.3	2 410.7
R96	9 629.0	02/03/2021 06:00	962.9	0.83	2.18	0.635	0.1	0.17	2 471.7	8.2	2 479.9
R97	11 078.3	25/09/2021 06:00	1 107.8	0.53	4.36	0.635	0.1	0.18	2 939.5	12.3	2 951.8
R98	7 135.1	14/09/2021 06:00	713.5	2.12	25.07	0.74	0.1	0.23	2 169.9	2.0	2 172.0
R99	10 867.0	29/12/2021 05:00	1 086.7	1.11	4.36	0.67	0.1	0.18	2 884.7	2.0	2 886.7
R100	8 622.8	02/02/2021 18:00	862.3	2.02	18.53	0.67	0.1	0.18	2 261.1	6.1	2 267.3
R101	7 613.4	02/03/2021 06:00	761.3	0.83	2.18	0.635	0.1	0.21	2 176.8	8.2	2 185.0
R102	7 482.0	21/09/2021 17:00	748.2	2.19	32.70	0.8	0.1	0.24	2 344.9	2.0	2 347.0
R103	7 243.1	02/01/2021 05:00	724.3	1.04	6.54	0.67	0.1	0.22	2 157.2	< 0.1	2 157.2
R104	6 118.5	22/12/2021 00:00	611.9	1.77	37.61	0.74	0.1	0.27	2 086.4	10.2	2 096.7

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	4 633.8	18/10/2021 06:00	463.4	0.40	1.09	0.635	0.1	0.19	1 247.7	4.1	1 251.8
R106	5 962.9	19/12/2021 20:00	596.3	2.07	37.61	0.74	0.1	0.22	1 753.6	10.2	1 763.9
R107	6 717.8	09/09/2021 21:00	671.8	1.64	35.97	0.8	0.1	0.22	1 990.0	6.1	1 996.1
R108	10 473.5	25/07/2021 04:00	1 047.3	2.94	30.52	0.87	0.07	0.20	2 959.7	< 0.1	2 959.7
R109	9 080.7	13/11/2021 22:00	908.1	2.01	20.71	0.74	0.1	0.24	2 880.7	2.0	2 882.8
R110	8 154.6	25/07/2021 17:00	815.5	3.06	32.70	0.87	0.07	0.25	2 658.7	< 0.1	2 658.7
R111	7 092.3	13/11/2021 00:00	709.2	3.36	21.80	0.74	0.1	0.23	2 164.0	4.1	2 168.1
R112	8 943.1	15/11/2021 03:00	894.3	2.50	22.89	0.74	0.1	0.26	2 982.3	2.0	2 984.4
R113	8 691.2	19/09/2021 18:00	869.1	2.00	32.70	0.8	0.1	0.30	3 177.8	2.0	3 179.9
R114	4 912.3	09/09/2021 20:00	491.2	2.59	38.15	0.8	0.1	0.30	1 823.3	6.1	1 829.4
R115	5 536.3	09/09/2021 22:00	553.6	0.59	34.88	0.8	0.1	0.27	1 895.9	6.1	1 902.0
R116	4 152.5	19/12/2021 20:00	415.2	2.07	37.61	0.74	0.1	0.26	1 400.3	10.2	1 410.5
R117	5 524.3	28/07/2021 18:00	552.4	3.14	29.43	0.83	0.07	0.26	1 828.9	4.1	1 833.0
R118	6 047.7	12/09/2021 17:00	604.8	3.62	45.78	0.85	0.1	0.36	2 539.6	2.0	2 541.7
R119	7 632.0	13/11/2021 01:00	763.2	3.42	21.80	0.74	0.1	0.18	2 011.4	2.0	2 013.4
R120	8 566.2	15/11/2021 04:00	856.6	2.57	22.89	0.74	0.1	0.31	3 261.1	2.0	3 263.2
R121	7 237.4	29/05/2021 07:00	723.7	1.88	10.90	0.635	0.1	0.21	2 059.5	20.5	2 080.0
R122	7 977.1	14/05/2021 07:00	797.7	0.61	< 0.1	0.635	0.1	0.21	2 318.3	10.2	2 328.6
R123	7 030.3	15/05/2021 19:00	703.0	2.02	27.25	0.74	0.1	0.27	2 437.4	< 0.1	2 437.4
R124	5 363.4	05/10/2021 18:00	536.3	3.80	32.70	0.8	0.1	0.31	2 045.5	< 0.1	2 045.5
R125	6 772.2	26/05/2021 17:00	677.2	1.51	29.43	0.74	0.1	0.28	2 389.9	< 0.1	2 389.9
R126	5 256.8	05/10/2021 20:00	525.7	2.56	31.61	0.8	0.1	0.35	2 177.5	< 0.1	2 177.5
R127	10 725.5	16/12/2021 05:00	1 072.6	1.29	37.61	0.74	0.1	0.14	2 409.8	10.2	2 420.1
R128	13 586.3	25/09/2021 06:00	1 358.6	0.53	4.36	0.635	0.1	0.12	2 791.1	12.3	2 803.4

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R41				Highest cumulative PM ₁₀ impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
14/05/2021	278.4	9.5	287.9	14/05/2021	278.4	9.5	287.9
18/07/2021	268.8	5.7	274.5	05/10/2021	267.4	14.0	281.4
05/10/2021	267.4	14.0	281.4	18/07/2021	268.8	5.7	274.5
05/08/2021	255.2	7.8	263.0	05/08/2021	255.2	7.8	263.0
27/05/2021	231.1	9.3	240.4	06/08/2021	226.0	15.4	241.4
16/05/2021	229.3	7.9	237.2	27/05/2021	231.1	9.3	240.4
02/10/2021	227.4	8.0	235.4	16/05/2021	229.3	7.9	237.2
25/08/2021	226.9	5.4	232.3	02/10/2021	227.4	8.0	235.4
06/08/2021	226.0	15.4	241.4	25/08/2021	226.9	5.4	232.3
04/08/2021	225.9	5.6	231.5	04/08/2021	225.9	5.6	231.5

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	247.7	12.3	260.0	21/03/2021	247.7	12.3	260.0
22/03/2021	238.2	5.9	244.1	22/03/2021	238.2	5.9	244.1
19/02/2021	221.4	13.4	234.8	19/02/2021	221.4	13.4	234.8
29/01/2021	187.0	8.2	195.2	29/01/2021	187.0	8.2	195.2
10/03/2021	170.6	21.1	191.7	10/03/2021	170.6	21.1	191.7
02/11/2021	157.2	19.1	176.3	02/11/2021	157.2	19.1	176.3
20/02/2021	152.1	11.4	163.5	10/02/2021	151.2	23.8	175.0
10/02/2021	151.2	23.8	175.0	20/02/2021	152.1	11.4	163.5
09/11/2021	145.1	13.4	158.5	09/11/2021	145.1	13.4	158.5
24/12/2021	139.3	13.5	152.8	02/12/2021	137.8	15.0	152.8

Highest incremental PM ₁₀ impact – Receptor R42				Highest cumulative PM ₁₀ impact – Receptor R42			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
14/05/2021	232.7	9.5	242.2	14/05/2021	232.7	9.5	242.2
18/07/2021	218.7	5.7	224.4	05/08/2021	217.4	7.8	225.2
05/08/2021	217.4	7.8	225.2	18/07/2021	218.7	5.7	224.4
27/05/2021	194.0	9.3	203.3	27/05/2021	194.0	9.3	203.3
25/08/2021	177.2	5.4	182.6	25/08/2021	177.2	5.4	182.6
06/08/2021	167.0	15.4	182.4	06/08/2021	167.0	15.4	182.4
05/07/2021	165.4	10.9	176.3	05/07/2021	165.4	10.9	176.3
11/04/2021	153.7	9.5	163.2	23/04/2021	136.8	29.9	166.7
16/05/2021	148.1	7.9	156.0	11/04/2021	153.7	9.5	163.2
04/06/2021	144.9	8.8	153.7	13/05/2021	143.1	13.2	156.3

Highest incremental PM ₁₀ impact – Receptor R6				Highest cumulative PM ₁₀ impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/08/2021	225.3	7.8	233.1	05/08/2021	225.3	7.8	233.1
14/05/2021	219.4	9.5	228.9	14/05/2021	219.4	9.5	228.9
27/05/2021	217.0	9.3	226.3	27/05/2021	217.0	9.3	226.3
25/08/2021	200.3	5.4	205.7	05/07/2021	195.4	10.9	206.3
18/07/2021	197.8	5.7	203.5	25/08/2021	200.3	5.4	205.7
05/07/2021	195.4	10.9	206.3	18/07/2021	197.8	5.7	203.5
06/08/2021	180.3	15.4	195.7	23/04/2021	173.1	29.9	203.0
04/06/2021	179.1	8.8	187.9	06/08/2021	180.3	15.4	195.7
23/04/2021	173.1	29.9	203.0	04/06/2021	179.1	8.8	187.9
28/05/2021	169.3	14.3	183.6	16/01/2021	160.4	25.0	185.4

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
17/03/2021	217.7	13.5	231.2	17/03/2021	217.7	13.5	231.2
18/03/2021	215.8	9.1	224.9	18/03/2021	215.8	9.1	224.9
19/03/2021	205.4	13.8	219.2	19/03/2021	205.4	13.8	219.2
11/11/2021	203.4	14.5	217.9	11/11/2021	203.4	14.5	217.9
28/01/2021	176.7	16.0	192.7	28/01/2021	176.7	16.0	192.7
20/03/2021	175.8	9.9	185.7	20/03/2021	175.8	9.9	185.7
17/02/2021	164.1	14.1	178.2	17/02/2021	164.1	14.1	178.2
18/02/2021	163.6	13.9	177.5	18/02/2021	163.6	13.9	177.5
09/02/2021	155.8	19.8	175.6	09/02/2021	155.8	19.8	175.6
22/12/2021	153.8	15.1	168.9	22/12/2021	153.8	15.1	168.9

Highest incremental PM ₁₀ impact – Receptor R44				Highest cumulative PM ₁₀ impact – Receptor R44			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	216.3	12.3	228.6	21/03/2021	216.3	12.3	228.6
19/02/2021	123.3	13.4	136.7	19/02/2021	123.3	13.4	136.7
09/11/2021	94.8	13.4	108.2	09/11/2021	94.8	13.4	108.2
28/02/2021	85.8	21.6	107.4	28/02/2021	85.8	21.6	107.4
10/02/2021	82.5	23.8	106.3	10/02/2021	82.5	23.8	106.3
10/03/2021	82.1	21.1	103.2	17/01/2021	77.7	25.5	103.2
29/01/2021	80.8	8.2	89.0	10/03/2021	82.1	21.1	103.2
06/04/2021	78.8	22.4	101.2	06/04/2021	78.8	22.4	101.2
17/01/2021	77.7	25.5	103.2	29/01/2021	80.8	8.2	89.0
24/12/2021	75.4	13.5	88.9	24/12/2021	75.4	13.5	88.9

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
18/03/2021	214.3	9.1	223.4	19/03/2021	212.6	13.8	226.4
19/03/2021	212.6	13.8	226.4	17/02/2021	212.1	14.1	226.2
17/02/2021	212.1	14.1	226.2	18/03/2021	214.3	9.1	223.4
17/03/2021	207.6	13.5	221.1	17/03/2021	207.6	13.5	221.1
28/01/2021	201.1	16.0	217.1	28/01/2021	201.1	16.0	217.1
27/01/2021	198.8	11.1	209.9	06/03/2021	189.6	25.7	215.3
26/12/2021	190.2	14.9	205.1	27/01/2021	198.8	11.1	209.9
06/03/2021	189.6	25.7	215.3	09/02/2021	186.6	19.8	206.4
26/11/2021	189.3	6.4	195.7	26/12/2021	190.2	14.9	205.1
28/12/2021	188.2	10.1	198.3	22/11/2021	185.5	18.0	203.5

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	210.0	12.3	222.3	21/03/2021	210.0	12.3	222.3
11/11/2021	192.3	14.5	206.8	11/11/2021	192.3	14.5	206.8
20/03/2021	178.6	9.9	188.5	17/03/2021	177.7	13.5	191.2
17/03/2021	177.7	13.5	191.2	20/03/2021	178.6	9.9	188.5
12/10/2021	170.1	8.9	178.9	12/10/2021	170.1	8.9	178.9
18/02/2021	158.1	13.9	172.0	18/02/2021	158.1	13.9	172.0
18/03/2021	155.5	9.1	164.6	21/10/2021	154.6	16.5	171.1
21/10/2021	154.6	16.5	171.1	21/12/2021	154.0	15.9	170.0
21/12/2021	154.0	15.9	170.0	18/03/2021	155.5	9.1	164.6
21/02/2021	145.7	9.1	154.8	14/12/2021	142.9	21.6	164.5

Highest incremental PM ₁₀ impact – Receptor R13				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/03/2021	193.6	5.9	199.5	17/08/2021	191.0	19.9	210.9
20/02/2021	148.9	11.4	160.3	25/09/2021	177.3	27.9	205.2
02/11/2021	132.7	19.1	151.8	05/03/2021	169.4	32.7	202.1
02/12/2021	131.1	15.0	146.1	02/03/2021	168.2	33.8	202.0
03/11/2021	129.3	17.8	147.1	06/03/2021	174.5	25.7	200.2
17/12/2021	127.5	19.2	146.6	16/12/2021	178.5	20.0	198.5
29/01/2021	124.2	8.2	132.4	27/01/2021	186.8	11.1	197.9
17/11/2021	122.7	21.5	144.2	17/02/2021	183.3	14.1	197.4
13/01/2021	122.4	19.0	141.4	08/02/2021	177.4	18.8	196.2
05/11/2021	119.7	9.8	129.5	08/01/2021	178.6	13.7	192.3

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	192.0	13.8	205.8	17/08/2021	187.8	19.9	207.7
17/02/2021	189.2	14.1	203.3	02/03/2021	173.4	33.8	207.2
17/08/2021	187.8	19.9	207.7	19/03/2021	192.0	13.8	205.8
27/01/2021	183.2	11.1	194.3	06/03/2021	180.1	25.7	205.8
18/03/2021	181.2	9.1	190.3	25/09/2021	175.8	27.9	203.7
06/03/2021	180.1	25.7	205.8	17/02/2021	189.2	14.1	203.3
28/01/2021	179.4	16.0	195.4	05/03/2021	170.3	32.7	203.0
08/02/2021	177.3	18.8	196.1	08/02/2021	177.3	18.8	196.1
16/12/2021	176.0	20.0	196.0	16/12/2021	176.0	20.0	196.0
08/01/2021	176.0	13.7	189.7	28/01/2021	179.4	16.0	195.4

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R41				Highest cumulative PM _{2.5} impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
14/05/2021	278.4	3.8	282.2	14/05/2021	278.4	3.8	282.2
18/07/2021	268.8	1.6	270.4	05/10/2021	267.4	3.8	271.2
05/10/2021	267.4	3.8	271.2	18/07/2021	268.8	1.6	270.4
05/08/2021	255.2	4.7	259.9	05/08/2021	255.2	4.7	259.9
27/05/2021	231.1	2.4	233.5	27/05/2021	231.1	2.4	233.5
16/05/2021	229.3	3.1	232.4	16/05/2021	229.3	3.1	232.4
02/10/2021	227.4	2.9	230.3	06/08/2021	226.0	6.2	232.2
25/08/2021	226.9	2.9	229.8	02/10/2021	227.4	2.9	230.3
06/08/2021	226.0	6.2	232.2	25/08/2021	226.9	2.9	229.8
04/08/2021	225.9	1.8	227.7	04/08/2021	225.9	1.8	227.7

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	247.7	4.9	252.6	21/03/2021	247.7	4.9	252.6
22/03/2021	238.2	2.4	240.6	22/03/2021	238.2	2.4	240.6
19/02/2021	221.4	2.9	224.4	19/02/2021	221.4	2.9	224.4
29/01/2021	187.0	4.3	191.3	29/01/2021	187.0	4.3	191.3
10/03/2021	170.6	4.9	175.5	10/03/2021	170.6	4.9	175.5
02/11/2021	157.2	3.5	160.7	02/11/2021	157.2	3.5	160.7
20/02/2021	152.1	2.0	154.1	10/02/2021	151.2	6.4	157.6
10/02/2021	151.2	6.4	157.6	20/02/2021	152.1	2.0	154.1
09/11/2021	145.1	4.4	149.5	09/11/2021	145.1	4.4	149.5
24/12/2021	139.3	5.9	145.2	24/12/2021	139.3	5.9	145.2

Highest incremental PM _{2.5} impact – Receptor R42				Highest cumulative PM _{2.5} impact – Receptor R42			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
14/05/2021	232.7	3.8	236.5	14/05/2021	232.7	3.8	236.5
18/07/2021	218.7	1.6	220.3	05/08/2021	217.4	4.7	222.1
05/08/2021	217.4	4.7	222.1	18/07/2021	218.7	1.6	220.3
27/05/2021	194.0	2.4	196.4	27/05/2021	194.0	2.4	196.4
25/08/2021	177.2	2.9	180.1	25/08/2021	177.2	2.9	180.1
06/08/2021	167.0	6.2	173.2	06/08/2021	167.0	6.2	173.2
05/07/2021	165.4	6.2	171.6	05/07/2021	165.4	6.2	171.6
11/04/2021	153.7	3.8	157.5	11/04/2021	153.7	3.8	157.5
16/05/2021	148.1	3.1	151.2	23/04/2021	136.8	19.5	156.3
04/06/2021	144.9	5.7	150.6	16/05/2021	148.1	3.1	151.2

Highest incremental PM _{2.5} impact – Receptor R6				Highest cumulative PM _{2.5} impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/08/2021	225.3	4.7	230.0	05/08/2021	225.3	4.7	230.0
14/05/2021	219.4	3.8	223.2	14/05/2021	219.4	3.8	223.2
27/05/2021	217.0	2.4	219.4	27/05/2021	217.0	2.4	219.4
25/08/2021	200.3	2.9	203.2	25/08/2021	200.3	2.9	203.2
18/07/2021	197.8	1.6	199.4	05/07/2021	195.4	6.2	201.6
05/07/2021	195.4	6.2	201.6	18/07/2021	197.8	1.6	199.4
06/08/2021	180.3	6.2	186.5	23/04/2021	173.1	19.5	192.6
04/06/2021	179.1	5.7	184.8	06/08/2021	180.3	6.2	186.5
23/04/2021	173.1	19.5	192.6	04/06/2021	179.1	5.7	184.8
28/05/2021	169.3	4.9	174.2	28/05/2021	169.3	4.9	174.2

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R44			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
17/03/2021	217.7	3.3	221.0	21/03/2021	216.3	4.9	221.2
18/03/2021	215.8	2.5	218.3	19/02/2021	123.3	2.9	126.2
19/03/2021	205.4	2.9	208.3	09/11/2021	94.8	4.4	99.2
11/11/2021	203.4	3.6	207.0	28/02/2021	85.8	7.8	93.6
28/01/2021	176.7	8.3	185.0	10/02/2021	82.5	6.4	88.9
20/03/2021	175.8	1.5	177.3	10/03/2021	82.1	4.9	87.0
17/02/2021	164.1	4.8	168.8	06/04/2021	78.8	7.1	85.9
18/02/2021	163.6	3.9	167.4	29/01/2021	80.8	4.3	85.1
09/02/2021	155.8	8.3	164.1	17/01/2021	77.7	7.2	84.9
22/12/2021	153.8	4.4	158.2	24/12/2021	75.4	5.9	81.3

Highest incremental PM _{2.5} impact – Receptor R44				Highest cumulative PM _{2.5} impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	216.3	4.9	221.2	17/03/2021	217.7	3.3	221.0
19/02/2021	123.3	2.9	126.2	18/03/2021	215.8	2.5	218.3
09/11/2021	94.8	4.4	99.2	19/03/2021	205.4	2.9	208.3
28/02/2021	85.8	7.8	93.6	11/11/2021	203.4	3.6	207.0
10/02/2021	82.5	6.4	88.9	28/01/2021	176.7	8.3	185.0
10/03/2021	82.1	4.9	87.0	20/03/2021	175.8	1.5	177.3
29/01/2021	80.8	4.3	85.1	17/02/2021	164.1	4.8	168.8
06/04/2021	78.8	7.1	85.9	18/02/2021	163.6	3.9	167.4
17/01/2021	77.7	7.2	84.9	09/02/2021	155.8	8.3	164.1
24/12/2021	75.4	5.9	81.3	22/12/2021	153.8	4.4	158.2

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
18/03/2021	214.3	2.5	216.8	17/02/2021	212.1	4.8	216.9
19/03/2021	212.6	2.9	215.5	18/03/2021	214.3	2.5	216.8
17/02/2021	212.1	4.8	216.9	19/03/2021	212.6	2.9	215.5
17/03/2021	207.6	3.3	210.9	17/03/2021	207.6	3.3	210.9
28/01/2021	201.1	8.3	209.4	28/01/2021	201.1	8.3	209.4
27/01/2021	198.8	7.0	205.8	27/01/2021	198.8	7.0	205.8
26/12/2021	190.2	5.8	196.0	06/03/2021	189.6	6.9	196.5
06/03/2021	189.6	6.9	196.5	26/12/2021	190.2	5.8	196.0
26/11/2021	189.3	1.9	191.2	09/02/2021	186.6	8.3	194.9
28/12/2021	188.2	1.2	189.4	26/11/2021	189.3	1.9	191.2

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	210.0	4.9	214.9	21/03/2021	210.0	4.9	214.9
11/11/2021	192.3	3.6	195.9	11/11/2021	192.3	3.6	195.9
20/03/2021	178.6	1.5	180.1	17/03/2021	177.7	3.3	181.0
17/03/2021	177.7	3.3	181.0	20/03/2021	178.6	1.5	180.1
12/10/2021	170.1	3.5	173.5	12/10/2021	170.1	3.5	173.5
18/02/2021	158.1	3.9	161.9	18/02/2021	158.1	3.9	161.9
18/03/2021	155.5	2.5	158.0	21/10/2021	154.6	4.7	159.3
21/10/2021	154.6	4.7	159.3	18/03/2021	155.5	2.5	158.0
21/12/2021	154.0	3.7	157.7	21/12/2021	154.0	3.7	157.7
21/02/2021	145.7	1.2	146.9	14/12/2021	142.9	4.5	147.4

Highest incremental PM _{2.5} impact – Receptor R13				Highest cumulative PM _{2.5} impact – Receptor R13			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/03/2021	193.6	2.4	196.0	22/03/2021	193.6	2.4	196.0
20/02/2021	148.9	2.0	150.9	20/02/2021	148.9	2.0	150.9
02/11/2021	132.7	3.5	136.2	02/11/2021	132.7	3.5	136.2
02/12/2021	131.1	3.9	135.0	02/12/2021	131.1	3.9	135.0
03/11/2021	129.3	2.7	132.0	17/12/2021	127.5	5.1	132.6
17/12/2021	127.5	5.1	132.6	03/11/2021	129.3	2.7	132.0
29/01/2021	124.2	4.3	128.5	30/04/2021	116.1	13.7	129.8
17/11/2021	122.7	4.5	127.2	29/01/2021	124.2	4.3	128.5
13/01/2021	122.4	3.3	125.7	17/11/2021	122.7	4.5	127.2
05/11/2021	119.7	3.7	123.4	13/01/2021	122.4	3.3	125.7

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	192.0	2.9	194.9	17/08/2021	191.0	4.5	195.5
17/02/2021	189.2	4.8	193.9	27/01/2021	186.8	7.0	193.8
17/08/2021	187.8	4.5	192.3	17/02/2021	183.3	4.8	188.0
27/01/2021	183.2	7.0	190.2	16/12/2021	178.5	6.6	185.1
18/03/2021	181.2	2.5	183.7	26/11/2021	182.4	1.9	184.3
06/03/2021	180.1	6.9	187.0	08/02/2021	177.4	6.6	184.0
28/01/2021	179.4	8.3	187.7	25/09/2021	177.3	6.2	183.5
08/02/2021	177.3	6.6	183.9	06/03/2021	174.5	6.9	181.4
16/12/2021	176.0	6.6	182.6	08/01/2021	178.6	2.8	181.4
08/01/2021	176.0	2.8	178.8	05/08/2021	174.4	4.7	179.1

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	214.3	214.3
R2	192.0	192.0
R3	179.6	179.6
R4	191.0	191.0
R5	158.6	158.6
R6	225.3	225.3
R7	155.4	155.4
R8	144.8	144.8
R9	180.0	180.0
R10	217.7	217.7
R11	210.0	210.0
R12	247.7	247.7
R13	193.6	193.6
R14	166.5	166.5
R15	123.5	123.5
R16	48.5	48.5
R17	45.0	45.0
R18	43.5	43.5
R19	60.0	60.0
R20	84.3	84.3
R21	74.2	74.2
R22	50.5	50.5
R23	48.4	48.4
R24	45.7	45.7
R25	35.9	35.9
R26	29.3	29.3
R27	19.5	19.5
R28	61.2	61.2
R29	64.9	64.9
R30	60.6	60.6
R31	61.9	61.9

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	39.5	39.5
R33	31.5	31.5
R34	33.1	33.1
R35	41.0	41.0
R36	44.9	44.9
R37	45.2	45.2
R38	153.6	153.6
R39	57.0	57.0
R40	116.1	116.1
R41	278.4	278.4
R42	232.7	232.7
R43	163.0	163.0
R44	216.3	216.3
R45	182.6	182.6
R46	135.1	135.1
R47	119.9	119.9
R48	128.0	128.0
R49	123.8	123.8
R50	104.2	104.2
R51	72.6	72.6
R52	92.7	92.7
R53	77.1	77.1
R54	48.3	48.3
R55	77.0	77.0
R56	78.6	78.6
R57	52.7	52.7
R58	71.6	71.6
R59	66.3	66.3
R60	54.5	54.5
R61	69.5	69.5
R62	43.7	43.7
R63	67.9	67.9
R64	32.6	32.6
R65	73.1	73.1
R66	57.9	57.9
R67	46.9	46.9

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	29.4	29.4
R69	39.9	39.9
R70	54.7	54.7
R71	85.1	85.1
R72	96.1	96.1
R73	103.3	103.3
R74	122.6	122.6
R75	69.0	69.0
R76	78.4	78.4
R77	62.5	62.5
R78	91.5	91.5
R79	60.5	60.5
R80	23.7	23.7
R81	66.1	66.1
R82	80.0	80.0
R83	52.1	52.1
R84	40.5	40.5
R85	72.8	72.8
R86	75.4	75.4
R87	42.8	42.8
R88	36.5	36.5
R89	33.0	33.0
R90	27.5	27.5
R91	36.9	36.9
R92	30.5	30.5
R93	48.8	48.8
R94	56.2	56.2
R95	48.7	48.7
R96	86.6	86.6
R97	71.3	71.3
R98	81.4	81.4
R99	61.8	61.8
R100	44.7	44.7
R101	70.8	70.8
R102	55.6	55.6
R103	44.6	44.6

Rec.	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)
R104	29.4	29.4
R105	23.6	23.6
R106	27.1	27.1
R107	33.9	33.9
R108	48.1	48.1
R109	58.0	58.0
R110	47.3	47.3
R111	21.9	21.9
R112	56.4	56.4
R113	51.3	51.3
R114	17.5	17.5
R115	28.7	28.7
R116	16.6	16.6
R117	24.0	24.0
R118	37.5	37.5
R119	28.6	28.6
R120	45.4	45.4
R121	48.7	48.7
R122	89.1	89.1
R123	80.8	80.8
R124	50.6	50.6
R125	85.9	85.9
R126	40.0	40.0
R127	98.8	98.8
R128	109.6	109.6

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	18.2	0.2	18.3	13.8	0.1	13.9	3.1	< 0.1	3.1
R2	20.0	0.2	20.1	15.1	0.1	15.3	3.0	0.3	3.3
R3	17.4	0.2	17.6	13.2	0.1	13.3	3.0	0.3	3.3
R4	20.2	0.2	20.4	15.3	0.1	15.5	3.1	0.3	3.3
R5	13.3	0.5	13.8	10.1	0.4	10.4	2.6	0.4	3.0
R6	20.0	0.2	20.2	15.2	0.1	15.3	2.8	0.3	3.1
R7	10.1	0.2	10.3	7.6	0.1	7.8	2.2	< 0.1	2.3
R8	9.2	0.2	9.4	7.0	0.1	7.1	2.1	< 0.1	2.2
R9	9.3	0.2	9.5	7.1	0.1	7.2	2.4	< 0.1	2.4
R10	12.4	0.2	12.5	9.4	0.1	9.5	3.7	0.1	3.8
R11	9.7	0.2	9.9	7.3	0.1	7.5	4.0	< 0.1	4.0
R12	17.5	0.5	18.0	13.3	0.4	13.6	4.6	< 0.1	4.6
R13	18.5	0.5	19.0	14.0	0.4	14.4	3.2	< 0.1	3.2
R14	21.5	0.5	22.0	16.3	0.4	16.7	4.7	0.2	4.9
R15	11.5	0.3	11.9	8.7	0.2	9.0	2.6	0.1	2.7
R16	3.2	0.2	3.4	2.4	0.1	2.5	1.4	< 0.1	1.4
R17	3.1	< 0.1	3.1	2.3	< 0.1	2.3	1.4	< 0.1	1.4
R18	3.0	< 0.1	3.0	2.3	< 0.1	2.3	1.4	< 0.1	1.4
R19	3.2	< 0.1	3.2	2.4	< 0.1	2.4	1.2	< 0.1	1.2
R20	3.2	< 0.1	3.2	2.4	< 0.1	2.4	1.6	< 0.1	1.6
R21	3.0	< 0.1	3.0	2.3	< 0.1	2.3	1.5	< 0.1	1.5
R22	2.5	< 0.1	2.5	1.9	< 0.1	1.9	1.3	0.2	1.5
R23	2.4	< 0.1	2.4	1.8	< 0.1	1.8	1.1	< 0.1	1.1
R24	2.2	< 0.1	2.2	1.7	< 0.1	1.7	1.1	< 0.1	1.2
R25	2.3	< 0.1	2.3	1.8	< 0.1	1.8	1.0	< 0.1	1.0
R26	2.1	< 0.1	2.1	1.6	< 0.1	1.6	0.9	< 0.1	1.0
R27	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.5	< 0.1	0.6
R28	2.9	< 0.1	2.9	2.2	< 0.1	2.2	1.4	0.2	1.6
R29	2.6	< 0.1	2.6	2.0	< 0.1	2.0	1.5	0.1	1.6
R30	2.7	< 0.1	2.7	2.0	< 0.1	2.0	1.5	0.1	1.6

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	3.4	< 0.1	3.4	2.6	< 0.1	2.6	1.4	< 0.1	1.4
R32	2.7	< 0.1	2.7	2.0	< 0.1	2.0	1.1	< 0.1	1.1
R33	2.2	< 0.1	2.2	1.7	< 0.1	1.7	1.0	< 0.1	1.0
R34	2.3	< 0.1	2.3	1.7	< 0.1	1.7	1.0	< 0.1	1.0
R35	2.3	0.2	2.5	1.8	0.1	1.9	1.2	< 0.1	1.2
R36	3.0	< 0.1	3.0	2.2	< 0.1	2.2	1.3	< 0.1	1.3
R37	3.0	< 0.1	3.0	2.2	< 0.1	2.2	1.3	< 0.1	1.3
R38	8.3	< 0.1	8.3	6.3	< 0.1	6.3	3.3	< 0.1	3.3
R39	5.3	0.2	5.4	4.0	0.1	4.1	1.7	< 0.1	1.7
R40	11.6	0.2	11.8	8.8	0.1	9.0	2.5	0.2	2.7
R41	24.5	0.2	24.6	18.6	0.1	18.7	3.8	< 0.1	3.9
R42	10.8	0.2	10.9	8.2	0.1	8.3	3.1	< 0.1	3.2
R43	5.8	0.2	5.9	4.4	0.1	4.5	2.2	0.1	2.4
R44	7.3	< 0.1	7.3	5.5	< 0.1	5.5	3.3	< 0.1	3.3
R45	6.9	< 0.1	6.9	5.2	< 0.1	5.2	2.8	< 0.1	2.8
R46	4.2	0.2	4.3	3.1	0.1	3.3	1.9	< 0.1	1.9
R47	6.2	0.7	6.9	4.7	0.5	5.2	1.8	< 0.1	1.8
R48	7.4	0.5	7.9	5.6	0.4	6.0	1.7	< 0.1	1.7
R49	8.0	0.2	8.2	6.1	0.1	6.2	1.7	< 0.1	1.7
R50	5.3	0.2	5.4	4.0	0.1	4.1	1.4	< 0.1	1.4
R51	4.2	0.2	4.3	3.2	0.1	3.3	1.3	< 0.1	1.3
R52	4.6	0.2	4.8	3.5	0.1	3.6	1.6	< 0.1	1.6
R53	3.8	< 0.1	3.8	2.9	< 0.1	2.9	1.3	< 0.1	1.3
R54	3.1	< 0.1	3.1	2.4	< 0.1	2.4	1.2	< 0.1	1.2
R55	3.4	< 0.1	3.4	2.6	< 0.1	2.6	1.4	< 0.1	1.4
R56	3.6	0.2	3.7	2.7	0.1	2.8	1.6	0.1	1.7
R57	3.0	< 0.1	3.0	2.3	< 0.1	2.3	1.2	< 0.1	1.2
R58	3.2	< 0.1	3.2	2.4	< 0.1	2.4	1.3	< 0.1	1.3
R59	4.7	< 0.1	4.7	3.5	< 0.1	3.5	1.6	< 0.1	1.6
R60	3.7	< 0.1	3.7	2.8	< 0.1	2.8	1.4	< 0.1	1.4
R61	3.8	< 0.1	3.8	2.9	< 0.1	2.9	1.5	< 0.1	1.5
R62	4.6	0.5	5.1	3.5	0.4	3.9	1.2	< 0.1	1.2
R63	3.8	< 0.1	3.8	2.8	< 0.1	2.8	1.1	< 0.1	1.1
R64	3.8	0.8	4.6	2.9	0.6	3.5	1.0	< 0.1	1.0
R65	3.5	< 0.1	3.5	2.7	< 0.1	2.7	1.8	< 0.1	1.8

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	4.3	< 0.1	4.3	3.2	< 0.1	3.2	1.6	< 0.1	1.6
R67	2.9	< 0.1	2.9	2.2	< 0.1	2.2	1.8	< 0.1	1.8
R68	2.8	0.3	3.1	2.1	0.2	2.4	0.8	< 0.1	0.8
R69	2.4	0.2	2.6	1.8	0.1	1.9	0.7	< 0.1	0.7
R70	3.1	0.3	3.4	2.3	0.2	2.6	0.9	< 0.1	0.9
R71	6.2	0.3	6.6	4.7	0.2	5.0	1.8	0.2	2.0
R72	7.2	0.3	7.6	5.5	0.2	5.7	2.0	0.2	2.2
R73	8.2	0.3	8.5	6.2	0.2	6.4	2.1	0.2	2.3
R74	5.7	0.7	6.4	4.3	0.5	4.8	2.4	< 0.1	2.4
R75	3.3	< 0.1	3.3	2.5	< 0.1	2.5	1.9	< 0.1	1.9
R76	3.5	< 0.1	3.5	2.6	< 0.1	2.6	1.5	< 0.1	1.5
R77	5.5	0.5	6.0	4.2	0.4	4.5	1.5	< 0.1	1.5
R78	5.1	0.2	5.3	3.9	0.1	4.0	1.4	< 0.1	1.5
R79	3.7	< 0.1	3.7	2.8	< 0.1	2.8	1.4	< 0.1	1.4
R80	2.4	0.8	3.3	1.8	0.6	2.5	0.8	< 0.1	0.8
R81	4.6	< 0.1	4.6	3.5	< 0.1	3.5	1.4	< 0.1	1.4
R82	4.3	< 0.1	4.3	3.2	< 0.1	3.2	2.1	< 0.1	2.1
R83	4.7	0.2	4.8	3.5	0.1	3.7	1.4	0.2	1.6
R84	4.0	< 0.1	4.0	3.0	< 0.1	3.0	1.2	< 0.1	1.2
R85	5.2	0.2	5.4	4.0	0.1	4.1	1.2	< 0.1	1.2
R86	5.5	0.2	5.6	4.1	0.1	4.3	1.5	< 0.1	1.5
R87	4.2	0.5	4.7	3.2	0.4	3.5	1.4	< 0.1	1.4
R88	3.8	0.8	4.6	2.8	0.6	3.5	1.0	< 0.1	1.1
R89	3.4	0.8	4.2	2.5	0.6	3.2	1.0	< 0.1	1.0
R90	2.5	< 0.1	2.5	1.9	< 0.1	1.9	0.9	< 0.1	0.9
R91	3.4	0.5	3.9	2.6	0.4	3.0	1.3	< 0.1	1.3
R92	3.0	0.8	3.8	2.3	0.6	2.9	0.9	< 0.1	1.0
R93	3.6	< 0.1	3.6	2.7	< 0.1	2.7	1.2	< 0.1	1.2
R94	3.9	0.2	4.0	2.9	0.1	3.0	1.1	< 0.1	1.1
R95	3.1	< 0.1	3.1	2.4	< 0.1	2.4	1.0	< 0.1	1.0
R96	3.4	0.3	3.7	2.6	0.2	2.8	1.5	< 0.1	1.5
R97	3.9	0.2	4.1	3.0	0.1	3.1	1.4	< 0.1	1.4
R98	2.5	< 0.1	2.5	1.9	< 0.1	1.9	1.4	< 0.1	1.4
R99	3.8	< 0.1	3.8	2.9	< 0.1	2.9	1.6	< 0.1	1.6
R100	3.0	< 0.1	3.0	2.3	< 0.1	2.3	1.2	< 0.1	1.2

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	2.7	0.3	3.0	2.0	0.2	2.3	1.3	< 0.1	1.3
R102	2.7	0.2	2.9	2.1	0.1	2.2	1.2	< 0.1	1.2
R103	2.6	< 0.1	2.6	1.9	< 0.1	1.9	1.0	< 0.1	1.0
R104	2.2	< 0.1	2.2	1.6	< 0.1	1.6	0.9	< 0.1	1.0
R105	1.7	0.3	2.0	1.3	0.2	1.5	0.6	< 0.1	0.6
R106	2.1	< 0.1	2.1	1.6	< 0.1	1.6	0.8	< 0.1	0.8
R107	2.4	< 0.1	2.4	1.8	< 0.1	1.8	1.1	< 0.1	1.1
R108	3.7	< 0.1	3.7	2.8	< 0.1	2.8	1.3	< 0.1	1.3
R109	3.2	< 0.1	3.2	2.4	< 0.1	2.4	2.0	< 0.1	2.0
R110	2.9	< 0.1	2.9	2.2	< 0.1	2.2	1.3	< 0.1	1.3
R111	2.5	< 0.1	2.5	1.9	< 0.1	1.9	1.2	< 0.1	1.2
R112	3.3	< 0.1	3.3	2.5	< 0.1	2.5	1.6	< 0.1	1.6
R113	3.2	< 0.1	3.2	2.4	< 0.1	2.4	1.6	< 0.1	1.6
R114	1.8	< 0.1	1.8	1.4	< 0.1	1.4	0.5	< 0.1	0.6
R115	2.2	< 0.1	2.2	1.7	< 0.1	1.7	0.9	< 0.1	0.9
R116	1.5	< 0.1	1.5	1.1	< 0.1	1.1	0.5	< 0.1	0.5
R117	1.9	< 0.1	1.9	1.5	< 0.1	1.5	0.7	< 0.1	0.7
R118	2.5	< 0.1	2.5	1.9	< 0.1	1.9	1.0	< 0.1	1.0
R119	2.7	< 0.1	2.7	2.0	< 0.1	2.0	1.5	< 0.1	1.5
R120	3.0	< 0.1	3.0	2.3	< 0.1	2.3	1.4	< 0.1	1.4
R121	2.6	< 0.1	2.6	1.9	< 0.1	1.9	1.2	< 0.1	1.2
R122	2.8	0.3	3.1	2.1	0.2	2.4	1.6	0.1	1.7
R123	2.6	0.3	2.9	1.9	0.2	2.2	1.6	< 0.1	1.7
R124	2.2	< 0.1	2.3	1.6	< 0.1	1.7	1.4	< 0.1	1.5
R125	2.4	< 0.1	2.4	1.8	< 0.1	1.8	1.3	< 0.1	1.4
R126	1.9	< 0.1	1.9	1.4	< 0.1	1.4	0.9	< 0.1	0.9
R127	3.8	0.2	3.9	2.9	0.1	3.0	1.6	< 0.1	1.6
R128	4.8	0.2	5.0	3.6	0.1	3.8	1.6	< 0.1	1.6

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	17.2	< 0.1	17.2	3.0	0.6	3.6
R2	19.0	< 0.1	19.0	2.6	0.2	2.8
R3	16.6	< 0.1	16.6	2.4	0.2	2.6
R4	19.2	< 0.1	19.2	2.6	0.8	3.4
R5	12.6	2.9	15.5	2.1	0.1	2.2
R6	19.0	< 0.1	19.0	3.0	< 0.1	3.0
R7	9.6	< 0.1	9.6	2.1	1.3	3.4
R8	8.8	< 0.1	8.8	1.9	0.7	2.6
R9	8.9	< 0.1	8.9	2.5	0.2	2.7
R10	11.7	< 0.1	11.7	3.0	0.6	3.6
R11	9.2	< 0.1	9.2	3.0	< 0.1	3.0
R12	16.6	2.9	19.5	3.4	0.4	3.7
R13	17.5	2.9	20.4	2.7	0.4	3.1
R14	20.4	2.9	23.3	2.2	4.6	6.8
R15	11.0	< 0.1	11.0	1.6	8.2	9.8
R16	3.0	< 0.1	3.0	0.7	0.1	0.8
R17	2.9	< 0.1	2.9	0.6	1.1	1.6
R18	2.8	< 0.1	2.8	0.6	1.1	1.6
R19	3.1	< 0.1	3.1	0.9	0.2	1.1
R20	3.0	< 0.1	3.0	1.1	< 0.1	1.1
R21	2.9	< 0.1	2.9	0.9	0.1	1.1
R22	2.3	< 0.1	2.3	0.7	0.8	1.6
R23	2.3	< 0.1	2.3	0.8	0.2	1.0
R24	2.1	< 0.1	2.1	0.7	0.2	1.0
R25	2.2	< 0.1	2.2	0.6	0.2	0.8
R26	2.0	< 0.1	2.0	0.4	2.5	2.9
R27	1.4	< 0.1	1.4	0.2	1.8	2.0
R28	2.7	2.9	5.6	0.9	0.8	1.7
R29	2.5	< 0.1	2.5	0.9	< 0.1	0.9
R30	2.6	< 0.1	2.6	0.9	< 0.1	0.9

Rec.	1-hour (µg/m³)			24-hour (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	3.2	< 0.1	3.2	0.9	0.2	1.1
R32	2.5	< 0.1	2.5	0.5	< 0.1	0.5
R33	2.1	< 0.1	2.1	0.5	0.2	0.7
R34	2.1	< 0.1	2.1	0.5	0.2	0.8
R35	2.2	2.9	5.1	0.7	0.2	0.9
R36	2.8	< 0.1	2.8	0.6	1.1	1.6
R37	2.8	< 0.1	2.8	0.6	1.1	1.6
R38	7.8	< 0.1	7.8	1.9	0.2	2.2
R39	5.0	< 0.1	5.0	0.7	1.0	1.7
R40	11.1	< 0.1	11.1	1.6	9.8	11.3
R41	23.2	< 0.1	23.2	3.7	0.5	4.2
R42	10.2	< 0.1	10.2	3.1	0.5	3.6
R43	5.5	< 0.1	5.5	2.1	1.5	3.7
R44	6.9	< 0.1	6.9	3.1	< 0.1	3.1
R45	6.5	< 0.1	6.5	2.6	< 0.1	2.6
R46	3.9	< 0.1	3.9	1.9	0.2	2.2
R47	5.9	2.9	8.8	1.7	< 0.1	1.7
R48	7.0	2.9	9.9	1.7	0.2	2.0
R49	7.6	< 0.1	7.6	1.6	0.7	2.4
R50	5.0	2.9	7.9	1.4	0.1	1.5
R51	4.0	2.9	6.8	1.0	0.2	1.2
R52	4.4	< 0.1	4.4	1.2	0.7	1.9
R53	3.6	< 0.1	3.6	1.1	0.2	1.3
R54	3.0	< 0.1	3.0	0.7	< 0.1	0.7
R55	3.2	< 0.1	3.2	1.1	0.2	1.4
R56	3.4	2.9	6.2	1.1	0.8	1.9
R57	2.8	< 0.1	2.8	0.7	0.5	1.2
R58	3.0	< 0.1	3.0	1.1	0.2	1.4
R59	4.4	< 0.1	4.4	0.9	< 0.1	0.9
R60	3.5	< 0.1	3.5	0.7	< 0.1	0.7
R61	3.7	1.4	5.1	1.1	0.4	1.5
R62	4.4	2.9	7.2	0.6	0.2	0.8
R63	3.6	< 0.1	3.6	0.9	0.6	1.5
R64	3.6	2.9	6.5	0.5	1.3	1.8
R65	3.4	< 0.1	3.4	1.0	< 0.1	1.0

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	4.1	< 0.1	4.1	0.8	0.1	0.9
R67	2.7	< 0.1	2.7	0.7	0.4	1.1
R68	2.7	1.4	4.1	0.4	1.8	2.2
R69	2.3	< 0.1	2.3	0.6	0.6	1.2
R70	2.9	< 0.1	2.9	0.7	0.6	1.3
R71	5.9	< 0.1	5.9	1.1	8.2	9.3
R72	6.9	< 0.1	6.9	1.3	8.2	9.5
R73	7.8	< 0.1	7.8	1.4	8.2	9.6
R74	5.4	2.9	8.3	1.6	< 0.1	1.6
R75	3.2	< 0.1	3.2	0.9	< 0.1	0.9
R76	3.3	< 0.1	3.3	1.0	< 0.1	1.0
R77	5.2	2.9	8.1	1.0	0.4	1.3
R78	4.9	< 0.1	4.9	1.4	0.4	1.8
R79	3.6	1.4	5.0	1.0	0.4	1.4
R80	2.3	2.9	5.2	0.4	1.3	1.7
R81	4.4	< 0.1	4.4	1.0	< 0.1	1.0
R82	4.1	< 0.1	4.1	1.4	< 0.1	1.4
R83	4.4	2.9	7.3	0.7	< 0.1	0.7
R84	3.8	< 0.1	3.8	0.5	0.6	1.1
R85	5.0	< 0.1	5.0	1.2	0.4	1.5
R86	5.2	< 0.1	5.2	1.2	0.4	1.5
R87	4.0	2.9	6.8	0.7	0.4	1.1
R88	3.6	2.9	6.4	0.5	2.3	2.8
R89	3.2	2.9	6.1	0.4	2.3	2.7
R90	2.4	< 0.1	2.4	0.4	1.3	1.7
R91	3.3	2.9	6.1	0.6	0.4	1.0
R92	2.8	2.9	5.7	0.4	2.3	2.7
R93	3.4	1.4	4.8	0.8	0.4	1.2
R94	3.7	< 0.1	3.7	0.9	0.4	1.3
R95	3.0	< 0.1	3.0	0.8	0.4	1.2
R96	3.2	2.9	6.1	1.2	< 0.1	1.2
R97	3.7	< 0.1	3.7	0.9	0.7	1.7
R98	2.4	< 0.1	2.4	1.1	< 0.1	1.1
R99	3.6	2.9	6.5	1.0	< 0.1	1.0
R100	2.9	1.4	4.3	0.6	< 0.1	0.6

Rec.	1-hour (µg/m³)			24-hour (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	2.5	2.9	5.4	1.0	< 0.1	1.0
R102	2.6	2.9	5.5	0.9	0.2	1.1
R103	2.4	< 0.1	2.4	0.7	0.2	0.9
R104	2.0	< 0.1	2.0	0.4	2.5	2.9
R105	1.6	2.9	4.5	0.3	0.7	1.0
R106	2.0	< 0.1	2.0	0.3	1.8	2.1
R107	2.2	< 0.1	2.2	0.4	1.0	1.4
R108	3.5	< 0.1	3.5	0.6	0.2	0.9
R109	3.0	< 0.1	3.0	0.7	< 0.1	0.7
R110	2.7	< 0.1	2.7	0.6	0.4	1.0
R111	2.4	< 0.1	2.4	0.4	< 0.1	0.4
R112	3.2	< 0.1	3.2	0.7	1.1	1.8
R113	3.1	< 0.1	3.1	0.6	< 0.1	0.6
R114	1.7	< 0.1	1.7	0.2	1.4	1.6
R115	2.1	< 0.1	2.1	0.4	0.6	1.0
R116	1.4	< 0.1	1.4	0.2	< 0.1	0.2
R117	1.8	2.9	4.7	0.3	0.6	0.9
R118	2.3	< 0.1	2.3	0.5	0.1	0.6
R119	2.6	< 0.1	2.6	0.5	< 0.1	0.5
R120	2.9	< 0.1	2.9	0.6	1.1	1.6
R121	2.4	2.9	5.3	0.6	0.8	1.4
R122	2.7	< 0.1	2.7	1.1	< 0.1	1.1
R123	2.4	< 0.1	2.4	1.1	0.5	1.6
R124	2.1	< 0.1	2.1	0.7	0.5	1.2
R125	2.3	< 0.1	2.3	1.1	1.5	2.7
R126	1.8	< 0.1	1.8	0.5	< 0.1	0.5
R127	3.6	2.9	6.4	1.3	0.1	1.4
R128	4.5	< 0.1	4.5	1.5	< 0.1	1.5

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	6.23E-08	4.21E-03	1.52E-03	1.06E-03	4.28E-04
R2	7.68E-08	5.19E-03	1.87E-03	1.30E-03	5.27E-04
R3	7.65E-08	5.17E-03	1.86E-03	1.30E-03	5.25E-04
R4	7.94E-08	5.37E-03	1.93E-03	1.35E-03	5.45E-04
R5	7.11E-08	4.81E-03	1.73E-03	1.21E-03	4.89E-04
R6	6.91E-08	4.67E-03	1.68E-03	1.17E-03	4.75E-04
R7	6.36E-08	4.30E-03	1.55E-03	1.08E-03	4.37E-04
R8	6.08E-08	4.11E-03	1.48E-03	1.03E-03	4.18E-04
R9	4.41E-08	2.98E-03	1.07E-03	7.49E-04	3.03E-04
R10	5.68E-08	3.84E-03	1.38E-03	9.64E-04	3.90E-04
R11	6.32E-08	4.28E-03	1.54E-03	1.07E-03	4.34E-04
R12	6.54E-08	4.42E-03	1.59E-03	1.11E-03	4.49E-04
R13	5.42E-08	3.66E-03	1.32E-03	9.19E-04	3.72E-04
R14	6.00E-08	4.06E-03	1.46E-03	1.02E-03	4.12E-04
R15	5.47E-08	3.70E-03	1.33E-03	9.29E-04	3.76E-04
R16	2.61E-08	1.77E-03	6.36E-04	4.43E-04	1.79E-04
R17	1.93E-08	1.30E-03	4.69E-04	3.27E-04	1.32E-04
R18	1.97E-08	1.33E-03	4.79E-04	3.34E-04	1.35E-04
R19	2.23E-08	1.51E-03	5.43E-04	3.78E-04	1.53E-04
R20	2.12E-08	1.43E-03	5.16E-04	3.60E-04	1.45E-04
R21	2.02E-08	1.37E-03	4.93E-04	3.44E-04	1.39E-04
R22	1.96E-08	1.32E-03	4.77E-04	3.32E-04	1.34E-04
R23	1.95E-08	1.32E-03	4.76E-04	3.32E-04	1.34E-04
R24	1.89E-08	1.28E-03	4.59E-04	3.20E-04	1.30E-04
R25	1.75E-08	1.18E-03	4.26E-04	2.97E-04	1.20E-04
R26	1.55E-08	1.05E-03	3.78E-04	2.64E-04	1.07E-04
R27	1.15E-08	7.79E-04	2.80E-04	1.95E-04	7.91E-05
R28	2.14E-08	1.45E-03	5.22E-04	3.64E-04	1.47E-04
R29	2.11E-08	1.43E-03	5.13E-04	3.58E-04	1.45E-04
R30	1.97E-08	1.33E-03	4.79E-04	3.34E-04	1.35E-04
R31	2.56E-08	1.73E-03	6.24E-04	4.35E-04	1.76E-04
R32	1.82E-08	1.23E-03	4.43E-04	3.09E-04	1.25E-04

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	1.59E-08	1.08E-03	3.87E-04	2.70E-04	1.09E-04
R34	1.60E-08	1.08E-03	3.91E-04	2.72E-04	1.10E-04
R35	1.80E-08	1.22E-03	4.38E-04	3.05E-04	1.24E-04
R36	1.86E-08	1.26E-03	4.52E-04	3.16E-04	1.28E-04
R37	1.92E-08	1.30E-03	4.68E-04	3.27E-04	1.32E-04
R38	5.72E-08	3.87E-03	1.39E-03	9.71E-04	3.93E-04
R39	3.15E-08	2.13E-03	7.66E-04	5.34E-04	2.16E-04
R40	6.53E-08	4.41E-03	1.59E-03	1.11E-03	4.48E-04
R41	6.32E-08	4.27E-03	1.54E-03	1.07E-03	4.34E-04
R42	4.73E-08	3.20E-03	1.15E-03	8.04E-04	3.25E-04
R43	3.98E-08	2.69E-03	9.70E-04	6.76E-04	2.74E-04
R44	5.56E-08	3.76E-03	1.35E-03	9.43E-04	3.82E-04
R45	4.76E-08	3.22E-03	1.16E-03	8.09E-04	3.27E-04
R46	3.62E-08	2.45E-03	8.81E-04	6.14E-04	2.48E-04
R47	3.73E-08	2.52E-03	9.09E-04	6.34E-04	2.56E-04
R48	4.01E-08	2.71E-03	9.76E-04	6.81E-04	2.75E-04
R49	4.06E-08	2.74E-03	9.87E-04	6.88E-04	2.79E-04
R50	3.69E-08	2.49E-03	8.98E-04	6.26E-04	2.53E-04
R51	2.63E-08	1.78E-03	6.39E-04	4.46E-04	1.80E-04
R52	2.45E-08	1.66E-03	5.97E-04	4.16E-04	1.69E-04
R53	2.45E-08	1.66E-03	5.96E-04	4.16E-04	1.68E-04
R54	1.96E-08	1.33E-03	4.78E-04	3.33E-04	1.35E-04
R55	2.41E-08	1.63E-03	5.86E-04	4.08E-04	1.65E-04
R56	2.37E-08	1.60E-03	5.76E-04	4.02E-04	1.63E-04
R57	2.30E-08	1.55E-03	5.60E-04	3.90E-04	1.58E-04
R58	2.55E-08	1.72E-03	6.21E-04	4.33E-04	1.75E-04
R59	2.81E-08	1.90E-03	6.84E-04	4.77E-04	1.93E-04
R60	2.81E-08	1.90E-03	6.84E-04	4.77E-04	1.93E-04
R61	2.88E-08	1.95E-03	7.00E-04	4.88E-04	1.98E-04
R62	2.65E-08	1.79E-03	6.46E-04	4.50E-04	1.82E-04
R63	2.70E-08	1.83E-03	6.58E-04	4.59E-04	1.86E-04
R64	2.35E-08	1.59E-03	5.71E-04	3.98E-04	1.61E-04
R65	3.03E-08	2.05E-03	7.39E-04	5.15E-04	2.08E-04
R66	2.99E-08	2.02E-03	7.28E-04	5.08E-04	2.05E-04
R67	2.58E-08	1.74E-03	6.27E-04	4.37E-04	1.77E-04
R68	1.86E-08	1.26E-03	4.54E-04	3.16E-04	1.28E-04
R69	1.71E-08	1.15E-03	4.16E-04	2.90E-04	1.17E-04

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	2.43E-08	1.64E-03	5.91E-04	4.12E-04	1.67E-04
R71	3.20E-08	2.16E-03	7.79E-04	5.43E-04	2.20E-04
R72	3.53E-08	2.39E-03	8.60E-04	5.99E-04	2.43E-04
R73	4.07E-08	2.75E-03	9.92E-04	6.91E-04	2.80E-04
R74	3.75E-08	2.53E-03	9.12E-04	6.36E-04	2.57E-04
R75	2.69E-08	1.82E-03	6.54E-04	4.56E-04	1.84E-04
R76	2.41E-08	1.63E-03	5.87E-04	4.09E-04	1.66E-04
R77	2.78E-08	1.88E-03	6.76E-04	4.71E-04	1.91E-04
R78	3.04E-08	2.05E-03	7.40E-04	5.16E-04	2.09E-04
R79	2.69E-08	1.82E-03	6.55E-04	4.57E-04	1.85E-04
R80	1.72E-08	1.16E-03	4.18E-04	2.91E-04	1.18E-04
R81	2.68E-08	1.81E-03	6.53E-04	4.55E-04	1.84E-04
R82	2.95E-08	1.99E-03	7.17E-04	5.00E-04	2.02E-04
R83	2.87E-08	1.94E-03	6.99E-04	4.87E-04	1.97E-04
R84	3.17E-08	2.14E-03	7.71E-04	5.38E-04	2.17E-04
R85	2.39E-08	1.62E-03	5.83E-04	4.06E-04	1.64E-04
R86	2.61E-08	1.76E-03	6.34E-04	4.42E-04	1.79E-04
R87	2.54E-08	1.71E-03	6.17E-04	4.30E-04	1.74E-04
R88	2.45E-08	1.66E-03	5.97E-04	4.16E-04	1.68E-04
R89	2.28E-08	1.54E-03	5.54E-04	3.86E-04	1.56E-04
R90	2.00E-08	1.36E-03	4.88E-04	3.40E-04	1.38E-04
R91	2.34E-08	1.58E-03	5.70E-04	3.98E-04	1.61E-04
R92	2.13E-08	1.44E-03	5.19E-04	3.62E-04	1.47E-04
R93	2.51E-08	1.69E-03	6.10E-04	4.25E-04	1.72E-04
R94	2.47E-08	1.67E-03	6.02E-04	4.20E-04	1.70E-04
R95	2.31E-08	1.56E-03	5.62E-04	3.92E-04	1.59E-04
R96	2.00E-08	1.35E-03	4.87E-04	3.40E-04	1.38E-04
R97	2.20E-08	1.48E-03	5.34E-04	3.73E-04	1.51E-04
R98	1.85E-08	1.25E-03	4.51E-04	3.14E-04	1.27E-04
R99	2.12E-08	1.43E-03	5.15E-04	3.59E-04	1.45E-04
R100	2.02E-08	1.37E-03	4.93E-04	3.44E-04	1.39E-04
R101	1.67E-08	1.13E-03	4.07E-04	2.84E-04	1.15E-04
R102	2.06E-08	1.39E-03	5.00E-04	3.49E-04	1.41E-04
R103	1.75E-08	1.19E-03	4.27E-04	2.98E-04	1.20E-04
R104	1.56E-08	1.05E-03	3.80E-04	2.65E-04	1.07E-04
R105	1.17E-08	7.92E-04	2.85E-04	1.99E-04	8.05E-05
R106	1.59E-08	1.07E-03	3.87E-04	2.70E-04	1.09E-04

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	1.88E-08	1.27E-03	4.57E-04	3.19E-04	1.29E-04
R108	2.55E-08	1.72E-03	6.21E-04	4.33E-04	1.75E-04
R109	2.53E-08	1.71E-03	6.16E-04	4.29E-04	1.74E-04
R110	2.10E-08	1.42E-03	5.11E-04	3.56E-04	1.44E-04
R111	2.02E-08	1.37E-03	4.92E-04	3.43E-04	1.39E-04
R112	2.32E-08	1.57E-03	5.65E-04	3.94E-04	1.60E-04
R113	2.33E-08	1.57E-03	5.67E-04	3.95E-04	1.60E-04
R114	1.53E-08	1.04E-03	3.73E-04	2.60E-04	1.05E-04
R115	1.55E-08	1.05E-03	3.77E-04	2.63E-04	1.06E-04
R116	1.02E-08	6.91E-04	2.49E-04	1.73E-04	7.02E-05
R117	1.30E-08	8.82E-04	3.18E-04	2.21E-04	8.96E-05
R118	1.98E-08	1.34E-03	4.81E-04	3.35E-04	1.36E-04
R119	2.26E-08	1.53E-03	5.50E-04	3.83E-04	1.55E-04
R120	2.02E-08	1.37E-03	4.92E-04	3.43E-04	1.39E-04
R121	1.81E-08	1.22E-03	4.40E-04	3.07E-04	1.24E-04
R122	2.21E-08	1.49E-03	5.37E-04	3.75E-04	1.52E-04
R123	2.35E-08	1.59E-03	5.72E-04	3.99E-04	1.61E-04
R124	1.81E-08	1.22E-03	4.40E-04	3.07E-04	1.24E-04
R125	2.05E-08	1.39E-03	5.00E-04	3.49E-04	1.41E-04
R126	1.39E-08	9.41E-04	3.39E-04	2.36E-04	9.56E-05
R127	2.72E-08	1.84E-03	6.63E-04	4.62E-04	1.87E-04
R128	2.87E-08	1.94E-03	6.99E-04	4.87E-04	1.97E-04
Max. at boundary	9.66E-08	6.54E-03	—	—	6.64E-04

Nitrogen dioxide (NO₂)

Maximum 1-hour concentrations (µg·m⁻³).

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
Criterion			164
R1	9 937.7	10.2	9 948.0
R2	10 012.5	12.3	10 024.8
R3	8 958.2	12.3	8 970.5
R4	10 113.5	12.3	10 125.8
R5	7 363.8	8.2	7 372.0
R6	10 850.2	12.3	10 862.5
R7	6 196.1	12.3	6 208.4
R8	5 965.6	12.3	5 977.9
R9	5 808.7	10.2	5 819.0
R10	7 289.5	10.2	7 299.7
R11	5 641.9	10.2	5 652.1
R12	8 374.2	8.2	8 382.4
R13	8 845.6	8.2	8 853.8
R14	9 751.6	4.1	9 755.7
R15	5 553.0	10.2	5 563.2
R16	4 425.7	2.0	4 427.7
R17	5 256.9	2.0	5 259.0
R18	5 073.0	2.0	5 075.0
R19	3 559.1	< 0.1	3 559.1
R20	3 865.3	2.0	3 867.4
R21	3 849.6	2.0	3 851.7
R22	3 254.6	8.2	3 262.8
R23	3 523.4	2.0	3 525.5
R24	3 381.6	2.0	3 383.6
R25	3 170.3	10.2	3 180.5
R26	3 078.0	10.2	3 088.2
R27	2 096.8	10.2	2 107.0
R28	3 556.5	10.2	3 566.8
R29	3 493.3	8.2	3 501.5
R30	3 300.7	2.0	3 302.7

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R31	3 367.5	8.2	3 375.7
R32	3 342.5	10.2	3 352.8
R33	3 026.0	10.2	3 036.3
R34	3 074.4	10.2	3 084.7
R35	3 072.6	2.0	3 074.7
R36	4 859.2	2.0	4 861.3
R37	4 950.2	2.0	4 952.3
R38	6 169.6	2.0	6 171.6
R39	3 002.5	34.9	3 037.4
R40	5 527.2	34.9	5 562.0
R41	14 132.9	12.3	14 145.2
R42	7 360.4	6.1	7 366.6
R43	4 468.2	12.3	4 480.5
R44	5 072.0	12.3	5 084.3
R45	5 101.9	12.3	5 114.2
R46	3 100.3	10.2	3 110.5
R47	4 161.0	8.2	4 169.2
R48	4 860.2	8.2	4 868.4
R49	5 896.9	12.3	5 909.2
R50	4 270.1	10.2	4 280.3
R51	3 647.1	8.2	3 655.3
R52	4 577.3	12.3	4 589.6
R53	3 692.3	< 0.1	3 692.3
R54	3 432.9	10.2	3 443.2
R55	3 528.8	2.0	3 530.9
R56	4 030.7	10.2	4 041.0
R57	3 058.3	10.2	3 068.6
R58	3 311.5	6.1	3 317.7
R59	4 685.7	6.1	4 691.9
R60	3 717.4	6.1	3 723.5
R61	3 578.8	12.3	3 591.1
R62	4 110.2	4.1	4 114.3
R63	2 913.3	6.1	2 919.5
R64	3 179.8	8.2	3 188.0
R65	4 128.3	2.0	4 130.4

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R66	4 685.9	< 0.1	4 685.9
R67	3 198.7	6.1	3 204.8
R68	2 671.0	4.1	2 675.1
R69	2 219.5	4.1	2 223.6
R70	2 359.3	4.1	2 363.4
R71	4 109.5	10.2	4 119.7
R72	5 128.0	10.2	5 138.2
R73	5 556.9	10.2	5 567.1
R74	4 184.1	12.3	4 196.4
R75	3 478.5	< 0.1	3 478.5
R76	3 669.2	< 0.1	3 669.2
R77	4 776.9	4.1	4 781.0
R78	4 641.7	4.1	4 645.8
R79	3 649.8	12.3	3 662.1
R80	2 669.8	10.2	2 680.0
R81	4 654.0	6.1	4 660.2
R82	4 322.6	16.4	4 339.0
R83	5 485.8	22.6	5 508.4
R84	4 226.1	4.1	4 230.2
R85	5 178.7	4.1	5 182.8
R86	5 205.8	4.1	5 209.9
R87	4 253.7	10.2	4 263.9
R88	3 203.3	12.3	3 215.6
R89	3 105.8	14.3	3 120.1
R90	3 272.6	8.2	3 280.8
R91	4 091.6	10.2	4 101.9
R92	3 212.0	8.2	3 220.2
R93	3 759.8	12.3	3 772.1
R94	4 156.7	4.1	4 160.8
R95	3 579.7	12.3	3 592.0
R96	3 689.1	8.2	3 697.3
R97	4 387.3	12.3	4 399.6
R98	3 238.7	2.0	3 240.8
R99	4 305.5	2.0	4 307.5
R100	3 374.8	6.1	3 380.9

Rec.	1-hour (max incr.) (µg/m³)		
	Incr.	Bkg.	Cumul.
R101	3 248.9	8.2	3 257.1
R102	3 499.9	2.0	3 501.9
R103	3 219.7	< 0.1	3 219.7
R104	3 114.1	10.2	3 124.3
R105	1 862.2	4.1	1 866.3
R106	2 617.4	10.2	2 627.6
R107	2 970.1	6.1	2 976.3
R108	4 417.5	< 0.1	4 417.5
R109	4 299.6	2.0	4 301.7
R110	3 968.2	< 0.1	3 968.2
R111	3 229.8	4.1	3 233.9
R112	4 451.2	2.0	4 453.3
R113	4 743.0	2.0	4 745.1
R114	2 721.3	6.1	2 727.5
R115	2 829.7	6.1	2 835.8
R116	2 090.0	10.2	2 100.2
R117	2 729.8	4.1	2 733.9
R118	3 790.5	2.0	3 792.5
R119	3 002.0	2.0	3 004.1
R120	4 867.3	2.0	4 869.4
R121	3 073.9	20.5	3 094.4
R122	3 460.2	10.2	3 470.4
R123	3 638.0	< 0.1	3 638.0
R124	3 053.0	< 0.1	3 053.0
R125	3 567.1	< 0.1	3 567.1
R126	3 250.1	< 0.1	3 250.1
R127	3 596.8	10.2	3 607.0
R128	4 165.8	12.3	4 178.1

NO₂ conversion – validation summary

Per-receptor parameters used in the Janssen (with ISR) NO₂ conversion at the point of maximum prediction.

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R1	76 944.3	27/09/2021 06:00	7 694.4	0.16	1.09	0.635	0.1	0.03	9 937.7	10.2	9 948.0
R2	84 578.6	02/10/2021 06:00	8 457.9	0.62	< 0.1	0.635	0.1	0.02	10 012.5	12.3	10 024.8
R3	73 849.3	02/10/2021 06:00	7 384.9	0.62	< 0.1	0.635	0.1	0.02	8 958.2	12.3	8 970.5
R4	85 629.8	02/10/2021 06:00	8 563.0	0.62	< 0.1	0.635	0.1	0.02	10 113.5	12.3	10 125.8
R5	56 177.4	29/04/2021 07:00	5 617.7	0.34	< 0.1	0.635	0.1	0.03	7 363.8	8.2	7 372.0
R6	84 882.3	02/10/2021 06:00	8 488.2	0.62	< 0.1	0.635	0.1	0.03	10 850.2	12.3	10 862.5
R7	42 715.5	02/10/2021 06:00	4 271.6	0.62	< 0.1	0.635	0.1	0.05	6 196.1	12.3	6 208.4
R8	39 056.9	25/09/2021 06:00	3 905.7	0.53	4.36	0.635	0.1	0.06	5 965.6	12.3	5 977.9
R9	39 546.6	27/09/2021 06:00	3 954.7	0.16	1.09	0.635	0.1	0.05	5 808.7	10.2	5 819.0
R10	52 378.5	27/09/2021 06:00	5 237.8	0.16	1.09	0.635	0.1	0.04	7 289.5	10.2	7 299.7
R11	41 015.4	27/09/2021 06:00	4 101.5	0.16	1.09	0.635	0.1	0.04	5 641.9	10.2	5 652.1
R12	74 108.1	19/08/2021 07:00	7 410.8	0.16	4.36	0.49	0.05	0.01	8 374.2	8.2	8 382.4
R13	78 181.7	19/08/2021 07:00	7 818.2	0.16	4.36	0.49	0.05	0.01	8 845.6	8.2	8 853.8
R14	91 158.8	20/08/2021 07:00	9 115.9	< 0.1	1.09	0.49	0.05	0.01	9 751.6	4.1	9 755.7
R15	48 874.8	16/06/2021 08:00	4 887.5	0.19	< 0.1	0.49	0.05	0.02	5 553.0	10.2	5 563.2
R16	12 516.7	12/09/2021 17:00	1 251.7	3.62	45.78	0.85	0.1	0.28	4 425.7	2.0	4 427.7
R17	13 018.2	15/11/2021 04:00	1 301.8	2.57	22.89	0.74	0.1	0.34	5 256.9	2.0	5 259.0
R18	12 669.1	15/11/2021 04:00	1 266.9	2.57	22.89	0.74	0.1	0.33	5 073.0	2.0	5 075.0
R19	13 643.2	02/01/2021 05:00	1 364.3	1.04	6.54	0.67	0.1	0.18	3 559.1	< 0.1	3 559.1
R20	13 366.5	14/09/2021 06:00	1 336.6	2.12	25.07	0.74	0.1	0.21	3 865.3	2.0	3 867.4
R21	12 845.8	14/09/2021 06:00	1 284.6	2.12	25.07	0.74	0.1	0.22	3 849.6	2.0	3 851.7
R22	9 711.4	20/05/2021 17:00	971.1	1.16	22.89	0.74	0.1	0.26	3 254.6	8.2	3 262.8
R23	10 073.0	21/09/2021 17:00	1 007.3	2.19	32.70	0.8	0.1	0.28	3 523.4	2.0	3 525.5
R24	9 472.4	21/09/2021 17:00	947.2	2.19	32.70	0.8	0.1	0.29	3 381.6	2.0	3 383.6
R25	9 306.1	22/12/2021 01:00	930.6	1.13	37.61	0.74	0.1	0.27	3 170.3	10.2	3 180.5
R26	8 817.8	22/12/2021 00:00	881.8	1.77	37.61	0.74	0.1	0.28	3 078.0	10.2	3 088.2
R27	6 405.0	19/12/2021 20:00	640.5	2.07	37.61	0.74	0.1	0.25	2 096.8	10.2	2 107.0
R28	11 594.8	16/12/2021 05:00	1 159.5	1.29	37.61	0.74	0.1	0.23	3 556.5	10.2	3 566.8
R29	11 204.4	20/05/2021 17:00	1 120.4	1.16	22.89	0.74	0.1	0.24	3 493.3	8.2	3 501.5
R30	10 538.1	14/09/2021 06:00	1 053.8	2.12	25.07	0.74	0.1	0.24	3 300.7	2.0	3 302.7
R31	14 273.0	06/09/2021 17:00	1 427.3	1.76	30.52	0.8	0.1	0.15	3 367.5	8.2	3 375.7
R32	11 338.3	22/12/2021 00:00	1 133.8	1.77	37.61	0.74	0.1	0.22	3 342.5	10.2	3 352.8

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R33	8 594.8	22/12/2021 01:00	859.5	1.13	37.61	0.74	0.1	0.28	3 026.0	10.2	3 036.3
R34	8 771.4	22/12/2021 01:00	877.1	1.13	37.61	0.74	0.1	0.28	3 074.4	10.2	3 084.7
R35	9 077.4	21/11/2021 05:00	907.7	1.53	20.71	0.74	0.1	0.26	3 072.6	2.0	3 074.7
R36	12 500.4	15/11/2021 04:00	1 250.0	2.57	22.89	0.74	0.1	0.32	4 859.2	2.0	4 861.3
R37	12 549.1	15/11/2021 04:00	1 254.9	2.57	22.89	0.74	0.1	0.33	4 950.2	2.0	4 952.3
R38	34 993.6	14/04/2021 17:00	3 499.4	2.57	28.34	0.74	0.1	0.08	6 169.6	2.0	6 171.6
R39	22 370.4	16/08/2021 07:00	2 237.0	0.22	1.09	0.49	0.05	0.04	3 002.5	34.9	3 037.4
R40	49 318.5	16/08/2021 07:00	4 931.8	0.22	1.09	0.49	0.05	0.01	5 527.2	34.9	5 562.0
R41	103 632.6	02/10/2021 06:00	10 363.3	0.62	< 0.1	0.635	0.1	0.04	14 132.9	12.3	14 145.2
R42	45 608.5	03/10/2021 06:00	4 560.8	0.13	< 0.1	0.635	0.1	0.07	7 360.4	6.1	7 366.6
R43	24 459.1	25/09/2021 06:00	2 445.9	0.53	4.36	0.635	0.1	0.09	4 468.2	12.3	4 480.5
R44	30 798.4	10/02/2021 18:00	3 079.8	2.15	15.26	0.67	0.1	0.07	5 072.0	12.3	5 084.3
R45	29 108.3	10/02/2021 18:00	2 910.8	2.15	15.26	0.67	0.1	0.08	5 101.9	12.3	5 114.2
R46	17 010.0	21/12/2021 23:00	1 701.0	2.45	37.61	0.74	0.1	0.09	3 100.3	10.2	3 110.5
R47	26 374.0	30/04/2021 07:00	2 637.4	0.29	< 0.1	0.635	0.1	0.06	4 161.0	8.2	4 169.2
R48	31 364.2	29/04/2021 07:00	3 136.4	0.34	< 0.1	0.635	0.1	0.06	4 860.2	8.2	4 868.4
R49	33 815.9	25/09/2021 06:00	3 381.6	0.53	4.36	0.635	0.1	0.08	5 896.9	12.3	5 909.2
R50	22 285.3	20/12/2021 05:00	2 228.5	0.77	37.61	0.74	0.1	0.10	4 270.1	10.2	4 280.3
R51	17 717.0	10/02/2021 06:00	1 771.7	1.29	1.09	0.67	0.1	0.12	3 647.1	8.2	3 655.3
R52	19 499.9	25/09/2021 06:00	1 950.0	0.53	4.36	0.635	0.1	0.15	4 577.3	12.3	4 589.6
R53	16 191.4	02/01/2021 05:00	1 619.1	1.04	6.54	0.67	0.1	0.14	3 692.3	< 0.1	3 692.3
R54	13 222.1	22/12/2021 00:00	1 322.2	1.77	37.61	0.74	0.1	0.18	3 432.9	10.2	3 443.2
R55	13 079.5	21/09/2021 17:00	1 308.0	2.19	32.70	0.8	0.1	0.19	3 528.8	2.0	3 530.9
R56	15 054.1	16/12/2021 05:00	1 505.4	1.29	37.61	0.74	0.1	0.19	4 030.7	10.2	4 041.0
R57	12 703.1	21/12/2021 23:00	1 270.3	2.45	37.61	0.74	0.1	0.16	3 058.3	10.2	3 068.6
R58	13 377.4	22/11/2021 18:00	1 337.7	2.59	20.71	0.74	0.1	0.16	3 311.5	6.1	3 317.7
R59	19 766.7	16/11/2021 18:00	1 976.7	2.27	27.25	0.74	0.1	0.15	4 685.7	6.1	4 691.9
R60	11 819.1	18/01/2021 18:00	1 181.9	2.27	49.05	0.81	0.15	0.24	3 717.4	6.1	3 723.5
R61	16 294.8	03/02/2021 18:00	1 629.5	2.28	19.62	0.67	0.1	0.13	3 578.8	12.3	3 591.1
R62	19 547.0	01/05/2021 07:00	1 954.7	0.18	< 0.1	0.635	0.1	0.12	4 110.2	4.1	4 114.3
R63	15 902.6	09/04/2021 07:00	1 590.3	0.45	< 0.1	0.635	0.1	0.09	2 913.3	6.1	2 919.5
R64	11 539.7	08/10/2021 17:00	1 154.0	2.19	38.15	0.8	0.1	0.20	3 179.8	8.2	3 188.0
R65	14 041.2	15/11/2021 04:00	1 404.1	2.57	22.89	0.74	0.1	0.22	4 128.3	2.0	4 130.4
R66	18 091.9	25/07/2021 06:00	1 809.2	3.83	32.70	0.87	0.07	0.18	4 685.9	< 0.1	4 685.9
R67	11 879.5	14/04/2021 19:00	1 187.9	1.07	23.98	0.74	0.1	0.19	3 198.7	6.1	3 204.8
R68	11 924.2	20/04/2021 07:00	1 192.4	< 0.1	< 0.1	0.635	0.1	0.14	2 671.0	4.1	2 675.1

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R69	9 974.2	14/04/2021 07:00	997.4	< 0.1	< 0.1	0.635	0.1	0.14	2 219.5	4.1	2 223.6
R70	11 830.1	14/04/2021 07:00	1 183.0	< 0.1	< 0.1	0.635	0.1	0.11	2 359.3	4.1	2 363.4
R71	24 539.4	12/02/2021 06:00	2 453.9	0.23	< 0.1	0.67	0.1	0.07	4 109.5	10.2	4 119.7
R72	29 211.3	12/02/2021 06:00	2 921.1	0.23	< 0.1	0.67	0.1	0.08	5 128.0	10.2	5 138.2
R73	33 588.1	19/12/2021 05:00	3 358.8	0.64	37.61	0.74	0.1	0.07	5 556.9	10.2	5 567.1
R74	21 789.8	04/08/2021 07:00	2 179.0	1.88	25.07	0.83	0.07	0.10	4 184.1	12.3	4 196.4
R75	14 074.1	26/06/2021 16:00	1 407.4	1.73	29.43	0.83	0.07	0.16	3 478.5	< 0.1	3 478.5
R76	12 192.0	05/10/2021 20:00	1 219.2	2.56	31.61	0.8	0.1	0.22	3 669.2	< 0.1	3 669.2
R77	23 199.4	01/05/2021 07:00	2 319.9	0.18	< 0.1	0.635	0.1	0.12	4 776.9	4.1	4 781.0
R78	21 710.5	03/01/2021 06:00	2 171.0	< 0.1	2.18	0.67	0.1	0.13	4 641.7	4.1	4 645.8
R79	15 841.9	03/02/2021 18:00	1 584.2	2.28	19.62	0.67	0.1	0.14	3 649.8	12.3	3 662.1
R80	9 220.5	19/12/2021 05:00	922.1	0.64	37.61	0.74	0.1	0.21	2 669.8	10.2	2 680.0
R81	19 463.7	19/02/2021 18:00	1 946.4	2.10	14.17	0.67	0.1	0.15	4 654.0	6.1	4 660.2
R82	18 111.7	14/12/2021 18:00	1 811.2	1.85	22.35	0.67	0.1	0.15	4 322.6	16.4	4 339.0
R83	19 780.0	01/09/2021 17:00	1 978.0	1.60	33.79	0.8	0.1	0.20	5 485.8	22.6	5 508.4
R84	15 717.0	28/03/2021 17:00	1 571.7	2.05	32.70	0.8	0.1	0.19	4 226.1	4.1	4 230.2
R85	22 203.2	03/01/2021 06:00	2 220.3	< 0.1	2.18	0.67	0.1	0.15	5 178.7	4.1	5 182.8
R86	23 139.9	03/01/2021 06:00	2 314.0	< 0.1	2.18	0.67	0.1	0.14	5 205.8	4.1	5 209.9
R87	12 556.7	02/12/2021 18:00	1 255.7	1.73	42.51	0.81	0.15	0.27	4 253.7	10.2	4 263.9
R88	7 523.4	12/01/2021 18:00	752.3	2.08	65.40	0.88	0.2	0.36	3 203.3	12.3	3 215.6
R89	8 753.9	12/01/2021 19:00	875.4	1.80	53.41	0.81	0.15	0.28	3 105.8	14.3	3 120.1
R90	10 542.4	08/10/2021 17:00	1 054.2	2.19	38.15	0.8	0.1	0.23	3 272.6	8.2	3 280.8
R91	11 308.5	02/12/2021 18:00	1 130.9	1.73	42.51	0.81	0.15	0.29	4 091.6	10.2	4 101.9
R92	10 924.4	08/10/2021 17:00	1 092.4	2.19	38.15	0.8	0.1	0.22	3 212.0	8.2	3 220.2
R93	15 168.4	03/02/2021 18:00	1 516.8	2.28	19.62	0.67	0.1	0.16	3 759.8	12.3	3 772.1
R94	16 315.5	03/01/2021 06:00	1 631.5	< 0.1	2.18	0.67	0.1	0.17	4 156.7	4.1	4 160.8
R95	13 294.8	10/02/2021 20:00	1 329.5	1.42	10.90	0.67	0.1	0.19	3 579.7	12.3	3 592.0
R96	14 371.6	02/03/2021 06:00	1 437.2	0.83	2.18	0.635	0.1	0.17	3 689.1	8.2	3 697.3
R97	16 534.7	25/09/2021 06:00	1 653.5	0.53	4.36	0.635	0.1	0.18	4 387.3	12.3	4 399.6
R98	10 649.4	14/09/2021 06:00	1 064.9	2.12	25.07	0.74	0.1	0.23	3 238.7	2.0	3 240.8
R99	16 219.3	29/12/2021 05:00	1 621.9	1.11	4.36	0.67	0.1	0.18	4 305.5	2.0	4 307.5
R100	12 869.9	02/02/2021 18:00	1 287.0	2.02	18.53	0.67	0.1	0.18	3 374.8	6.1	3 380.9
R101	11 363.3	02/03/2021 06:00	1 136.3	0.83	2.18	0.635	0.1	0.21	3 248.9	8.2	3 257.1
R102	11 167.2	21/09/2021 17:00	1 116.7	2.19	32.70	0.8	0.1	0.24	3 499.9	2.0	3 501.9
R103	10 810.7	02/01/2021 05:00	1 081.1	1.04	6.54	0.67	0.1	0.22	3 219.7	< 0.1	3 219.7
R104	9 132.1	22/12/2021 00:00	913.2	1.77	37.61	0.74	0.1	0.27	3 114.1	10.2	3 124.3

Rec.	Max NOx	Date	Primary NO2	Wind (m/s)	O3 (ppb)	A	a	Janssen ratio	Calc. NO2	Bkg. NO2	Cumul. NO2
R105	6 916.2	18/10/2021 06:00	691.6	0.40	1.09	0.635	0.1	0.19	1 862.2	4.1	1 866.3
R106	8 899.8	19/12/2021 20:00	890.0	2.07	37.61	0.74	0.1	0.22	2 617.4	10.2	2 627.6
R107	10 026.5	09/09/2021 21:00	1 002.7	1.64	35.97	0.8	0.1	0.22	2 970.1	6.1	2 976.3
R108	15 632.0	25/07/2021 04:00	1 563.2	2.94	30.52	0.87	0.07	0.20	4 417.5	< 0.1	4 417.5
R109	13 553.2	13/11/2021 22:00	1 355.3	2.01	20.71	0.74	0.1	0.24	4 299.6	2.0	4 301.7
R110	12 171.0	25/07/2021 17:00	1 217.1	3.06	32.70	0.87	0.07	0.25	3 968.2	< 0.1	3 968.2
R111	10 585.5	13/11/2021 00:00	1 058.6	3.36	21.80	0.74	0.1	0.23	3 229.8	4.1	3 233.9
R112	13 348.0	15/11/2021 03:00	1 334.8	2.50	22.89	0.74	0.1	0.26	4 451.2	2.0	4 453.3
R113	12 972.0	19/09/2021 18:00	1 297.2	2.00	32.70	0.8	0.1	0.30	4 743.0	2.0	4 745.1
R114	7 331.8	09/09/2021 20:00	733.2	2.59	38.15	0.8	0.1	0.30	2 721.3	6.1	2 727.5
R115	8 263.1	09/09/2021 22:00	826.3	0.59	34.88	0.8	0.1	0.27	2 829.7	6.1	2 835.8
R116	6 197.7	19/12/2021 20:00	619.8	2.07	37.61	0.74	0.1	0.26	2 090.0	10.2	2 100.2
R117	8 245.2	28/07/2021 18:00	824.5	3.14	29.43	0.83	0.07	0.26	2 729.8	4.1	2 733.9
R118	9 026.4	12/09/2021 17:00	902.6	3.62	45.78	0.85	0.1	0.36	3 790.5	2.0	3 792.5
R119	11 391.0	13/11/2021 01:00	1 139.1	3.42	21.80	0.74	0.1	0.18	3 002.0	2.0	3 004.1
R120	12 785.3	15/11/2021 04:00	1 278.5	2.57	22.89	0.74	0.1	0.31	4 867.3	2.0	4 869.4
R121	10 802.0	29/05/2021 07:00	1 080.2	1.88	10.90	0.635	0.1	0.21	3 073.9	20.5	3 094.4
R122	11 906.2	14/05/2021 07:00	1 190.6	0.61	< 0.1	0.635	0.1	0.21	3 460.2	10.2	3 470.4
R123	10 493.0	15/05/2021 19:00	1 049.3	2.02	27.25	0.74	0.1	0.27	3 638.0	< 0.1	3 638.0
R124	8 005.0	05/10/2021 18:00	800.5	3.80	32.70	0.8	0.1	0.31	3 053.0	< 0.1	3 053.0
R125	10 107.8	26/05/2021 17:00	1 010.8	1.51	29.43	0.74	0.1	0.28	3 567.1	< 0.1	3 567.1
R126	7 846.0	05/10/2021 20:00	784.6	2.56	31.61	0.8	0.1	0.35	3 250.1	< 0.1	3 250.1
R127	16 008.3	16/12/2021 05:00	1 600.8	1.29	37.61	0.74	0.1	0.14	3 596.8	10.2	3 607.0
R128	20 278.1	25/09/2021 06:00	2 027.8	0.53	4.36	0.635	0.1	0.12	4 165.8	12.3	4 178.1

Particulate matter – maximum 24-hour (PM₁₀)

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM ₁₀ impact – Receptor R41				Highest cumulative PM ₁₀ impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
14/05/2021	415.5	9.5	425.0	14/05/2021	415.5	9.5	425.0
18/07/2021	401.1	5.7	406.8	05/10/2021	399.1	14.0	413.1
05/10/2021	399.1	14.0	413.1	18/07/2021	401.1	5.7	406.8
05/08/2021	380.8	7.8	388.6	05/08/2021	380.8	7.8	388.6
27/05/2021	344.9	9.3	354.2	27/05/2021	344.9	9.3	354.2
16/05/2021	342.2	7.9	350.1	06/08/2021	337.4	15.4	352.8
02/10/2021	339.5	8.0	347.5	16/05/2021	342.2	7.9	350.1
25/08/2021	338.7	5.4	344.1	02/10/2021	339.5	8.0	347.5
06/08/2021	337.4	15.4	352.8	25/08/2021	338.7	5.4	344.1
04/08/2021	337.2	5.6	342.8	04/08/2021	337.2	5.6	342.8

Highest incremental PM ₁₀ impact – Receptor R12				Highest cumulative PM ₁₀ impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	369.8	12.3	382.1	21/03/2021	369.8	12.3	382.1
22/03/2021	355.5	5.9	361.4	22/03/2021	355.5	5.9	361.4
19/02/2021	330.5	13.4	343.9	19/02/2021	330.5	13.4	343.9
29/01/2021	279.1	8.2	287.3	29/01/2021	279.1	8.2	287.3
10/03/2021	254.6	21.1	275.7	10/03/2021	254.6	21.1	275.7
02/11/2021	234.6	19.1	253.7	02/11/2021	234.6	19.1	253.7
20/02/2021	227.1	11.4	238.5	10/02/2021	225.6	23.8	249.4
10/02/2021	225.6	23.8	249.4	20/02/2021	227.1	11.4	238.5
09/11/2021	216.6	13.4	230.0	09/11/2021	216.6	13.4	230.0
24/12/2021	207.9	13.5	221.4	24/12/2021	207.9	13.5	221.4

Highest incremental PM ₁₀ impact – Receptor R42				Highest cumulative PM ₁₀ impact – Receptor R42			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
14/05/2021	347.4	9.5	356.9	14/05/2021	347.4	9.5	356.9
18/07/2021	326.3	5.7	332.0	05/08/2021	324.5	7.8	332.3
05/08/2021	324.5	7.8	332.3	18/07/2021	326.3	5.7	332.0
27/05/2021	289.5	9.3	298.8	27/05/2021	289.5	9.3	298.8
25/08/2021	264.5	5.4	269.9	25/08/2021	264.5	5.4	269.9
06/08/2021	249.3	15.4	264.7	06/08/2021	249.3	15.4	264.7
05/07/2021	246.8	10.9	257.7	05/07/2021	246.8	10.9	257.7
11/04/2021	229.4	9.5	238.9	11/04/2021	229.4	9.5	238.9
16/05/2021	221.0	7.9	228.9	23/04/2021	204.1	29.9	234.0
04/06/2021	216.3	8.8	225.1	16/05/2021	221.0	7.9	228.9

Highest incremental PM ₁₀ impact – Receptor R6				Highest cumulative PM ₁₀ impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
05/08/2021	336.3	7.8	344.1	05/08/2021	336.3	7.8	344.1
14/05/2021	327.4	9.5	336.9	14/05/2021	327.4	9.5	336.9
27/05/2021	323.9	9.3	333.2	27/05/2021	323.9	9.3	333.2
25/08/2021	298.9	5.4	304.3	25/08/2021	298.9	5.4	304.3
18/07/2021	295.2	5.7	300.9	05/07/2021	291.6	10.9	302.5
05/07/2021	291.6	10.9	302.5	18/07/2021	295.2	5.7	300.9
06/08/2021	269.1	15.4	284.5	23/04/2021	258.4	29.9	288.3
04/06/2021	267.3	8.8	276.1	06/08/2021	269.1	15.4	284.5
23/04/2021	258.4	29.9	288.3	04/06/2021	267.3	8.8	276.1
28/05/2021	252.7	14.3	267.0	28/05/2021	252.7	14.3	267.0

Highest incremental PM ₁₀ impact – Receptor R10				Highest cumulative PM ₁₀ impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
17/03/2021	325.0	13.5	338.5	17/03/2021	325.0	13.5	338.5
18/03/2021	322.1	9.1	331.2	18/03/2021	322.1	9.1	331.2
19/03/2021	306.6	13.8	320.4	19/03/2021	306.6	13.8	320.4
11/11/2021	303.5	14.5	318.0	11/11/2021	303.5	14.5	318.0
28/01/2021	263.8	16.0	279.8	28/01/2021	263.8	16.0	279.8
20/03/2021	262.4	9.9	272.3	20/03/2021	262.4	9.9	272.3
17/02/2021	244.9	14.1	259.0	17/02/2021	244.9	14.1	259.0
18/02/2021	244.2	13.9	258.1	18/02/2021	244.2	13.9	258.1
09/02/2021	232.5	19.8	252.3	09/02/2021	232.5	19.8	252.3
22/12/2021	229.6	15.1	244.7	22/12/2021	229.6	15.1	244.7

Highest incremental PM ₁₀ impact – Receptor R44				Highest cumulative PM ₁₀ impact – Receptor R44			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	322.8	12.3	335.1	21/03/2021	322.8	12.3	335.1
19/02/2021	184.0	13.4	197.4	19/02/2021	184.0	13.4	197.4
09/11/2021	141.5	13.4	154.9	09/11/2021	141.5	13.4	154.9
28/02/2021	128.1	21.6	149.7	28/02/2021	128.1	21.6	149.7
10/02/2021	123.2	23.8	147.0	10/02/2021	123.2	23.8	147.0
10/03/2021	122.5	21.1	143.6	10/03/2021	122.5	21.1	143.6
29/01/2021	120.6	8.2	128.8	17/01/2021	116.0	25.5	141.5
06/04/2021	117.6	22.4	140.0	06/04/2021	117.6	22.4	140.0
17/01/2021	116.0	25.5	141.5	29/01/2021	120.6	8.2	128.8
24/12/2021	112.6	13.5	126.1	24/12/2021	112.6	13.5	126.1

Highest incremental PM ₁₀ impact – Receptor R1				Highest cumulative PM ₁₀ impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
18/03/2021	319.9	9.1	329.0	19/03/2021	317.4	13.8	331.2
19/03/2021	317.4	13.8	331.2	17/02/2021	316.6	14.1	330.7
17/02/2021	316.6	14.1	330.7	18/03/2021	319.9	9.1	329.0
17/03/2021	309.9	13.5	323.4	17/03/2021	309.9	13.5	323.4
28/01/2021	300.2	16.0	316.2	28/01/2021	300.2	16.0	316.2
27/01/2021	296.6	11.1	307.7	06/03/2021	283.0	25.7	308.7
26/12/2021	283.9	14.9	298.8	27/01/2021	296.6	11.1	307.7
06/03/2021	283.0	25.7	308.7	26/12/2021	283.9	14.9	298.8
26/11/2021	282.5	6.4	288.9	09/02/2021	278.5	19.8	298.3
28/12/2021	280.8	10.1	290.9	22/11/2021	276.8	18.0	294.8

Highest incremental PM ₁₀ impact – Receptor R11				Highest cumulative PM ₁₀ impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
21/03/2021	313.4	12.3	325.7	21/03/2021	313.4	12.3	325.7
11/11/2021	287.0	14.5	301.5	11/11/2021	287.0	14.5	301.5
20/03/2021	266.6	9.9	276.5	17/03/2021	265.3	13.5	278.8
17/03/2021	265.3	13.5	278.8	20/03/2021	266.6	9.9	276.5
12/10/2021	253.8	8.9	262.7	12/10/2021	253.8	8.9	262.7
18/02/2021	235.9	13.9	249.8	18/02/2021	235.9	13.9	249.8
18/03/2021	232.1	9.1	241.2	21/10/2021	230.8	16.5	247.3
21/10/2021	230.8	16.5	247.3	21/12/2021	229.9	15.9	245.8
21/12/2021	229.9	15.9	245.8	18/03/2021	232.1	9.1	241.2
21/02/2021	217.5	9.1	226.6	14/12/2021	213.2	21.6	234.8

Highest incremental PM ₁₀ impact – Receptor R13				Highest cumulative PM ₁₀ impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
22/03/2021	289.0	5.9	294.9	17/08/2021	285.1	19.9	305.0
20/02/2021	222.3	11.4	233.7	25/09/2021	264.6	27.9	292.5
02/11/2021	198.0	19.1	217.1	27/01/2021	278.9	11.1	290.0
02/12/2021	195.6	15.0	210.6	17/02/2021	273.5	14.1	287.6
03/11/2021	193.0	17.8	210.8	16/12/2021	266.5	20.0	286.4
17/12/2021	190.3	19.2	209.4	06/03/2021	260.5	25.7	286.2
29/01/2021	185.4	8.2	193.6	05/03/2021	252.9	32.7	285.6
17/11/2021	183.1	21.5	204.6	02/03/2021	251.0	33.8	284.8
13/01/2021	182.7	19.0	201.7	08/02/2021	264.8	18.8	283.6
05/11/2021	178.7	9.8	188.5	08/01/2021	266.6	13.7	280.3

Highest incremental PM ₁₀ impact – Receptor R2				Highest cumulative PM ₁₀ impact – Receptor R2			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			50	Criterion			50
19/03/2021	286.6	13.8	300.4	19/03/2021	286.6	13.8	300.4
17/02/2021	282.3	14.1	296.4	17/08/2021	280.3	19.9	300.2
17/08/2021	280.3	19.9	300.2	17/02/2021	282.3	14.1	296.4
27/01/2021	273.5	11.1	284.6	06/03/2021	268.8	25.7	294.5
18/03/2021	270.5	9.1	279.6	02/03/2021	258.9	33.8	292.7
06/03/2021	268.8	25.7	294.5	25/09/2021	262.3	27.9	290.2
28/01/2021	267.7	16.0	283.7	05/03/2021	254.2	32.7	286.9
08/02/2021	264.6	18.8	283.4	27/01/2021	273.5	11.1	284.6
16/12/2021	262.7	20.0	282.7	28/01/2021	267.7	16.0	283.7
08/01/2021	262.6	13.7	276.3	08/02/2021	264.6	18.8	283.4

Particulate matter – maximum 24-hour (PM_{2.5})

Most-impacted receptors: ranked by maximum incremental impact (left) and maximum cumulative impact (right). Cumulative values are shaded green where below the criterion and yellow where the criterion is exceeded.

Highest incremental PM _{2.5} impact – Receptor R41				Highest cumulative PM _{2.5} impact – Receptor R41			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
14/05/2021	415.5	3.8	419.3	14/05/2021	415.5	3.8	419.3
18/07/2021	401.1	1.6	402.7	05/10/2021	399.1	3.8	402.9
05/10/2021	399.1	3.8	402.9	18/07/2021	401.1	1.6	402.7
05/08/2021	380.8	4.7	385.5	05/08/2021	380.8	4.7	385.5
27/05/2021	344.9	2.4	347.3	27/05/2021	344.9	2.4	347.3
16/05/2021	342.2	3.1	345.3	16/05/2021	342.2	3.1	345.3
02/10/2021	339.5	2.9	342.4	06/08/2021	337.4	6.2	343.6
25/08/2021	338.7	2.9	341.6	02/10/2021	339.5	2.9	342.4
06/08/2021	337.4	6.2	343.6	25/08/2021	338.7	2.9	341.6
04/08/2021	337.2	1.8	339.0	04/08/2021	337.2	1.8	339.0

Highest incremental PM _{2.5} impact – Receptor R12				Highest cumulative PM _{2.5} impact – Receptor R12			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	369.8	4.9	374.7	21/03/2021	369.8	4.9	374.7
22/03/2021	355.5	2.4	357.9	22/03/2021	355.5	2.4	357.9
19/02/2021	330.5	2.9	333.4	19/02/2021	330.5	2.9	333.4
29/01/2021	279.1	4.3	283.4	29/01/2021	279.1	4.3	283.4
10/03/2021	254.6	4.9	259.5	10/03/2021	254.6	4.9	259.5
02/11/2021	234.6	3.5	238.1	02/11/2021	234.6	3.5	238.1
20/02/2021	227.1	2.0	229.1	10/02/2021	225.6	6.4	232.0
10/02/2021	225.6	6.4	232.0	20/02/2021	227.1	2.0	229.1
09/11/2021	216.6	4.4	221.0	09/11/2021	216.6	4.4	221.0
24/12/2021	207.9	5.9	213.8	24/12/2021	207.9	5.9	213.8

Highest incremental PM _{2.5} impact – Receptor R42				Highest cumulative PM _{2.5} impact – Receptor R42			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
14/05/2021	347.4	3.8	351.2	14/05/2021	347.4	3.8	351.2
18/07/2021	326.3	1.6	327.9	05/08/2021	324.5	4.7	329.2
05/08/2021	324.5	4.7	329.2	18/07/2021	326.3	1.6	327.9
27/05/2021	289.5	2.4	291.9	27/05/2021	289.5	2.4	291.9
25/08/2021	264.5	2.9	267.4	25/08/2021	264.5	2.9	267.4
06/08/2021	249.3	6.2	255.5	06/08/2021	249.3	6.2	255.5
05/07/2021	246.8	6.2	253.0	05/07/2021	246.8	6.2	253.0
11/04/2021	229.4	3.8	233.2	11/04/2021	229.4	3.8	233.2
16/05/2021	221.0	3.1	224.1	16/05/2021	221.0	3.1	224.1
04/06/2021	216.3	5.7	222.0	23/04/2021	204.1	19.5	223.6

Highest incremental PM _{2.5} impact – Receptor R6				Highest cumulative PM _{2.5} impact – Receptor R6			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
05/08/2021	336.3	4.7	341.0	05/08/2021	336.3	4.7	341.0
14/05/2021	327.4	3.8	331.2	14/05/2021	327.4	3.8	331.2
27/05/2021	323.9	2.4	326.3	27/05/2021	323.9	2.4	326.3
25/08/2021	298.9	2.9	301.8	25/08/2021	298.9	2.9	301.8
18/07/2021	295.2	1.6	296.8	05/07/2021	291.6	6.2	297.8
05/07/2021	291.6	6.2	297.8	18/07/2021	295.2	1.6	296.8
06/08/2021	269.1	6.2	275.3	23/04/2021	258.4	19.5	277.9
04/06/2021	267.3	5.7	273.0	06/08/2021	269.1	6.2	275.3
23/04/2021	258.4	19.5	277.9	04/06/2021	267.3	5.7	273.0
28/05/2021	252.7	4.9	257.6	28/05/2021	252.7	4.9	257.6

Highest incremental PM _{2.5} impact – Receptor R10				Highest cumulative PM _{2.5} impact – Receptor R10			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
17/03/2021	325.0	3.3	328.3	17/03/2021	325.0	3.3	328.3
18/03/2021	322.1	2.5	324.6	18/03/2021	322.1	2.5	324.6
19/03/2021	306.6	2.9	309.5	19/03/2021	306.6	2.9	309.5
11/11/2021	303.5	3.6	307.1	11/11/2021	303.5	3.6	307.1
28/01/2021	263.8	8.3	272.1	28/01/2021	263.8	8.3	272.1
20/03/2021	262.4	1.5	263.9	20/03/2021	262.4	1.5	263.9
17/02/2021	244.9	4.8	249.6	17/02/2021	244.9	4.8	249.6
18/02/2021	244.2	3.9	248.0	18/02/2021	244.2	3.9	248.0
09/02/2021	232.5	8.3	240.8	09/02/2021	232.5	8.3	240.8
22/12/2021	229.6	4.4	234.0	22/12/2021	229.6	4.4	234.0

Highest incremental PM _{2.5} impact – Receptor R44				Highest cumulative PM _{2.5} impact – Receptor R44			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	322.8	4.9	327.7	21/03/2021	322.8	4.9	327.7
19/02/2021	184.0	2.9	187.0	19/02/2021	184.0	2.9	187.0
09/11/2021	141.5	4.4	145.9	09/11/2021	141.5	4.4	145.9
28/02/2021	128.1	7.8	135.9	28/02/2021	128.1	7.8	135.9
10/02/2021	123.2	6.4	129.6	10/02/2021	123.2	6.4	129.6
10/03/2021	122.5	4.9	127.4	10/03/2021	122.5	4.9	127.4
29/01/2021	120.6	4.3	124.9	29/01/2021	120.6	4.3	124.9
06/04/2021	117.6	7.1	124.7	06/04/2021	117.6	7.1	124.7
17/01/2021	116.0	7.2	123.2	17/01/2021	116.0	7.2	123.2
24/12/2021	112.6	5.9	118.5	24/12/2021	112.6	5.9	118.5

Highest incremental PM _{2.5} impact – Receptor R1				Highest cumulative PM _{2.5} impact – Receptor R1			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
18/03/2021	319.9	2.5	322.4	18/03/2021	319.9	2.5	322.4
19/03/2021	317.4	2.9	320.3	17/02/2021	316.6	4.8	321.3
17/02/2021	316.6	4.8	321.3	19/03/2021	317.4	2.9	320.3
17/03/2021	309.9	3.3	313.2	17/03/2021	309.9	3.3	313.2
28/01/2021	300.2	8.3	308.5	28/01/2021	300.2	8.3	308.5
27/01/2021	296.6	7.0	303.6	27/01/2021	296.6	7.0	303.6
26/12/2021	283.9	5.8	289.7	06/03/2021	283.0	6.9	289.9
06/03/2021	283.0	6.9	289.9	26/12/2021	283.9	5.8	289.7
26/11/2021	282.5	1.9	284.4	09/02/2021	278.5	8.3	286.8
28/12/2021	280.8	1.2	282.0	26/11/2021	282.5	1.9	284.4

Highest incremental PM _{2.5} impact – Receptor R11				Highest cumulative PM _{2.5} impact – Receptor R11			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
21/03/2021	313.4	4.9	318.3	21/03/2021	313.4	4.9	318.3
11/11/2021	287.0	3.6	290.6	11/11/2021	287.0	3.6	290.6
20/03/2021	266.6	1.5	268.1	17/03/2021	265.3	3.3	268.6
17/03/2021	265.3	3.3	268.6	20/03/2021	266.6	1.5	268.1
12/10/2021	253.8	3.5	257.3	12/10/2021	253.8	3.5	257.3
18/02/2021	235.9	3.9	239.8	18/02/2021	235.9	3.9	239.8
18/03/2021	232.1	2.5	234.6	21/10/2021	230.8	4.7	235.5
21/10/2021	230.8	4.7	235.5	18/03/2021	232.1	2.5	234.6
21/12/2021	229.9	3.7	233.6	21/12/2021	229.9	3.7	233.6
21/02/2021	217.5	1.2	218.7	21/02/2021	217.5	1.2	218.7

Highest incremental PM _{2.5} impact – Receptor R13				Highest cumulative PM _{2.5} impact – Receptor R13			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
22/03/2021	289.0	2.4	291.4	22/03/2021	289.0	2.4	291.4
20/02/2021	222.3	2.0	224.3	20/02/2021	222.3	2.0	224.3
02/11/2021	198.0	3.5	201.5	02/11/2021	198.0	3.5	201.5
02/12/2021	195.6	3.9	199.5	02/12/2021	195.6	3.9	199.5
03/11/2021	193.0	2.7	195.7	03/11/2021	193.0	2.7	195.7
17/12/2021	190.3	5.1	195.4	17/12/2021	190.3	5.1	195.4
29/01/2021	185.4	4.3	189.7	29/01/2021	185.4	4.3	189.7
17/11/2021	183.1	4.5	187.6	17/11/2021	183.1	4.5	187.6
13/01/2021	182.7	3.3	186.0	30/04/2021	173.3	13.7	187.0
05/11/2021	178.7	3.7	182.4	13/01/2021	182.7	3.3	186.0

Highest incremental PM _{2.5} impact – Receptor R2				Highest cumulative PM _{2.5} impact – Receptor R4			
Date	Incr.	Bkg.	Cumul.	Date	Incr.	Bkg.	Cumul.
Criterion			25	Criterion			25
19/03/2021	286.6	2.9	289.5	17/08/2021	285.1	4.5	289.6
17/02/2021	282.3	4.8	287.1	27/01/2021	278.9	7.0	285.9
17/08/2021	280.3	4.5	284.8	17/02/2021	273.5	4.8	278.3
27/01/2021	273.5	7.0	280.5	26/11/2021	272.3	1.9	274.2
18/03/2021	270.5	2.5	273.0	16/12/2021	266.5	6.6	273.1
06/03/2021	268.8	6.9	275.7	08/02/2021	264.8	6.6	271.4
28/01/2021	267.7	8.3	276.0	25/09/2021	264.6	6.2	270.8
08/02/2021	264.6	6.6	271.2	08/01/2021	266.6	2.8	269.4
16/12/2021	262.7	6.6	269.3	06/03/2021	260.5	6.9	267.4
08/01/2021	262.6	2.8	265.4	19/03/2021	262.6	2.9	265.5

Particulate matter – maximum 24-hour incremental impact (all receptors)

Maximum 24-hour incremental concentration at each receptor ($\mu\text{g}\cdot\text{m}^{-3}$). The day-by-day detail for the most-impacted receptors is shown in the preceding panels.

Rec.	PM ₁₀ ($\mu\text{g}/\text{m}^3$)	PM _{2.5} ($\mu\text{g}/\text{m}^3$)
Criterion	50	25
R1	319.9	319.9
R2	286.6	286.6
R3	268.1	268.1
R4	285.1	285.1
R5	236.8	236.8
R6	336.3	336.3
R7	232.0	232.0
R8	216.0	216.0
R9	268.6	268.6
R10	325.0	325.0
R11	313.4	313.4
R12	369.8	369.8
R13	289.0	289.0
R14	248.5	248.5
R15	184.4	184.4
R16	72.4	72.4
R17	67.2	67.2
R18	65.0	65.0
R19	89.6	89.6
R20	125.8	125.8
R21	110.8	110.8
R22	75.4	75.4
R23	72.3	72.3
R24	68.1	68.1
R25	53.5	53.5
R26	43.8	43.8
R27	29.1	29.1
R28	91.4	91.4
R29	96.8	96.8
R30	90.5	90.5
R31	92.5	92.5

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R32	58.9	58.9
R33	47.0	47.0
R34	49.3	49.3
R35	61.2	61.2
R36	66.9	66.9
R37	67.4	67.4
R38	229.3	229.3
R39	85.0	85.0
R40	173.3	173.3
R41	415.5	415.5
R42	347.4	347.4
R43	243.2	243.2
R44	322.8	322.8
R45	272.6	272.6
R46	201.7	201.7
R47	179.0	179.0
R48	191.0	191.0
R49	184.8	184.8
R50	155.6	155.6
R51	108.4	108.4
R52	138.4	138.4
R53	115.1	115.1
R54	72.1	72.1
R55	114.9	114.9
R56	117.3	117.3
R57	78.7	78.7
R58	106.8	106.8
R59	99.0	99.0
R60	81.3	81.3
R61	103.7	103.7
R62	65.2	65.2
R63	101.3	101.3
R64	48.6	48.6
R65	109.1	109.1
R66	86.4	86.4
R67	70.0	70.0

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R68	43.9	43.9
R69	59.6	59.6
R70	81.7	81.7
R71	127.0	127.0
R72	143.5	143.5
R73	154.2	154.2
R74	182.9	182.9
R75	102.9	102.9
R76	117.0	117.0
R77	93.3	93.3
R78	136.5	136.5
R79	90.3	90.3
R80	35.4	35.4
R81	98.6	98.6
R82	119.4	119.4
R83	77.7	77.7
R84	60.5	60.5
R85	108.7	108.7
R86	112.5	112.5
R87	63.9	63.9
R88	54.5	54.5
R89	49.2	49.2
R90	41.1	41.1
R91	55.1	55.1
R92	45.5	45.5
R93	72.8	72.8
R94	83.9	83.9
R95	72.6	72.6
R96	129.3	129.3
R97	106.4	106.4
R98	121.5	121.5
R99	92.2	92.2
R100	66.7	66.7
R101	105.6	105.6
R102	82.9	82.9
R103	66.6	66.6

Rec.	PM ₁₀ (µg/m³)	PM _{2.5} (µg/m³)
R104	44.0	44.0
R105	35.3	35.3
R106	40.5	40.5
R107	50.6	50.6
R108	71.8	71.8
R109	86.5	86.5
R110	70.7	70.7
R111	32.6	32.6
R112	84.1	84.1
R113	76.6	76.6
R114	26.1	26.1
R115	42.8	42.8
R116	24.8	24.8
R117	35.8	35.8
R118	56.0	56.0
R119	42.6	42.6
R120	67.7	67.7
R121	72.7	72.7
R122	132.9	132.9
R123	120.6	120.6
R124	75.5	75.5
R125	128.2	128.2
R126	59.7	59.7
R127	147.4	147.4
R128	163.5	163.5

Carbon monoxide (CO)

Maximum 15-minute, 1-hour and 8-hour average concentrations ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	15-minute (mg/m^3)			1-hour (mg/m^3)			8-hour (mg/m^3)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			100			30			10
R1	27.1	0.2	27.3	20.6	0.1	20.7	4.7	< 0.1	4.7
R2	29.8	0.2	30.0	22.6	0.1	22.7	4.5	0.3	4.8
R3	26.0	0.2	26.2	19.7	0.1	19.9	4.5	0.3	4.8
R4	30.2	0.2	30.4	22.9	0.1	23.0	4.6	0.3	4.8
R5	19.8	0.5	20.3	15.0	0.4	15.4	3.8	0.4	4.3
R6	29.9	0.2	30.1	22.7	0.1	22.8	4.1	0.3	4.4
R7	15.1	0.2	15.2	11.4	0.1	11.5	3.3	< 0.1	3.3
R8	13.8	0.2	13.9	10.4	0.1	10.6	3.1	< 0.1	3.2
R9	13.9	0.2	14.1	10.6	0.1	10.7	3.5	< 0.1	3.5
R10	18.5	0.2	18.6	14.0	0.1	14.1	5.5	0.1	5.7
R11	14.5	0.2	14.6	11.0	0.1	11.1	6.0	< 0.1	6.0
R12	26.1	0.5	26.6	19.8	0.4	20.2	6.8	< 0.1	6.8
R13	27.6	0.5	28.1	20.9	0.4	21.3	4.7	< 0.1	4.8
R14	32.1	0.5	32.6	24.4	0.4	24.7	7.0	0.2	7.2
R15	17.2	0.3	17.6	13.1	0.2	13.3	3.8	0.1	4.0
R16	4.8	0.2	4.9	3.6	0.1	3.7	2.0	< 0.1	2.0
R17	4.6	< 0.1	4.6	3.5	< 0.1	3.5	2.0	< 0.1	2.0
R18	4.5	< 0.1	4.5	3.4	< 0.1	3.4	2.0	< 0.1	2.0
R19	4.8	< 0.1	4.8	3.6	< 0.1	3.6	1.8	< 0.1	1.8
R20	4.7	< 0.1	4.7	3.6	< 0.1	3.6	2.4	< 0.1	2.4
R21	4.5	< 0.1	4.5	3.4	< 0.1	3.4	2.3	< 0.1	2.3
R22	3.7	< 0.1	3.7	2.8	< 0.1	2.8	1.9	0.2	2.1
R23	3.6	< 0.1	3.6	2.7	< 0.1	2.7	1.7	< 0.1	1.7
R24	3.3	< 0.1	3.3	2.5	< 0.1	2.5	1.7	< 0.1	1.7
R25	3.5	< 0.1	3.5	2.6	< 0.1	2.6	1.5	< 0.1	1.5
R26	3.1	< 0.1	3.1	2.4	< 0.1	2.4	1.4	< 0.1	1.4
R27	2.3	< 0.1	2.3	1.7	< 0.1	1.7	0.8	< 0.1	0.8
R28	4.3	< 0.1	4.3	3.2	< 0.1	3.2	2.1	0.2	2.3
R29	3.9	< 0.1	3.9	3.0	< 0.1	3.0	2.3	0.1	2.4
R30	4.0	< 0.1	4.0	3.0	< 0.1	3.0	2.2	0.1	2.3

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	5.0	< 0.1	5.0	3.8	< 0.1	3.8	2.0	< 0.1	2.0
R32	4.0	< 0.1	4.0	3.0	< 0.1	3.0	1.6	< 0.1	1.6
R33	3.3	< 0.1	3.3	2.5	< 0.1	2.5	1.4	< 0.1	1.4
R34	3.4	< 0.1	3.4	2.6	< 0.1	2.6	1.4	< 0.1	1.4
R35	3.5	0.2	3.7	2.7	0.1	2.8	1.7	< 0.1	1.8
R36	4.4	< 0.1	4.4	3.3	< 0.1	3.3	2.0	< 0.1	2.0
R37	4.4	< 0.1	4.4	3.4	< 0.1	3.4	2.0	< 0.1	2.0
R38	12.3	< 0.1	12.3	9.3	< 0.1	9.3	4.9	< 0.1	4.9
R39	7.9	0.2	8.1	6.0	0.1	6.1	2.5	< 0.1	2.5
R40	17.4	0.2	17.6	13.2	0.1	13.3	3.8	0.2	3.9
R41	36.5	0.2	36.7	27.7	0.1	27.8	5.7	< 0.1	5.8
R42	16.1	0.2	16.2	12.2	0.1	12.3	4.7	< 0.1	4.7
R43	8.6	0.2	8.8	6.5	0.1	6.7	3.4	0.1	3.5
R44	10.9	< 0.1	10.9	8.2	< 0.1	8.2	4.9	< 0.1	4.9
R45	10.3	< 0.1	10.3	7.8	< 0.1	7.8	4.2	< 0.1	4.2
R46	6.2	0.2	6.4	4.7	0.1	4.8	2.8	< 0.1	2.8
R47	9.3	0.7	10.0	7.0	0.5	7.5	2.7	< 0.1	2.7
R48	11.1	0.5	11.6	8.4	0.4	8.8	2.5	< 0.1	2.5
R49	11.9	0.2	12.1	9.0	0.1	9.2	2.5	< 0.1	2.5
R50	7.9	0.2	8.0	6.0	0.1	6.1	2.2	< 0.1	2.2
R51	6.2	0.2	6.4	4.7	0.1	4.9	1.9	< 0.1	1.9
R52	6.9	0.2	7.0	5.2	0.1	5.3	2.4	< 0.1	2.4
R53	5.7	< 0.1	5.7	4.3	< 0.1	4.3	1.9	< 0.1	1.9
R54	4.7	< 0.1	4.7	3.5	< 0.1	3.5	1.7	< 0.1	1.7
R55	5.1	< 0.1	5.1	3.8	< 0.1	3.8	2.0	< 0.1	2.1
R56	5.3	0.2	5.5	4.0	0.1	4.1	2.4	0.1	2.5
R57	4.5	< 0.1	4.5	3.4	< 0.1	3.4	1.8	< 0.1	1.8
R58	4.8	< 0.1	4.8	3.6	< 0.1	3.6	1.9	< 0.1	1.9
R59	7.0	< 0.1	7.0	5.3	< 0.1	5.3	2.4	< 0.1	2.4
R60	5.5	< 0.1	5.5	4.2	< 0.1	4.2	2.0	< 0.1	2.0
R61	5.7	< 0.1	5.7	4.4	< 0.1	4.4	2.2	< 0.1	2.2
R62	6.9	0.5	7.4	5.2	0.4	5.6	1.8	< 0.1	1.8
R63	5.6	< 0.1	5.6	4.2	< 0.1	4.2	1.6	< 0.1	1.6
R64	5.7	0.8	6.5	4.3	0.6	4.9	1.6	< 0.1	1.6
R65	5.3	< 0.1	5.3	4.0	< 0.1	4.0	2.7	< 0.1	2.7

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	6.4	< 0.1	6.4	4.8	< 0.1	4.8	2.4	< 0.1	2.4
R67	4.3	< 0.1	4.3	3.3	< 0.1	3.3	2.6	< 0.1	2.6
R68	4.2	0.3	4.5	3.2	0.2	3.4	1.2	< 0.1	1.2
R69	3.6	0.2	3.7	2.7	0.1	2.8	1.1	< 0.1	1.1
R70	4.6	0.3	4.9	3.5	0.2	3.7	1.3	< 0.1	1.3
R71	9.3	0.3	9.6	7.1	0.2	7.3	2.7	0.2	2.9
R72	10.8	0.3	11.1	8.2	0.2	8.4	3.0	0.2	3.2
R73	12.2	0.3	12.5	9.2	0.2	9.5	3.2	0.2	3.3
R74	8.5	0.7	9.2	6.5	0.5	7.0	3.5	< 0.1	3.5
R75	5.0	< 0.1	5.0	3.8	< 0.1	3.8	2.9	< 0.1	2.9
R76	5.2	< 0.1	5.2	3.9	< 0.1	3.9	2.3	< 0.1	2.3
R77	8.2	0.5	8.7	6.2	0.4	6.6	2.2	< 0.1	2.2
R78	7.7	0.2	7.8	5.8	0.1	5.9	2.2	< 0.1	2.2
R79	5.6	< 0.1	5.6	4.2	< 0.1	4.2	2.0	< 0.1	2.0
R80	3.6	0.8	4.5	2.8	0.6	3.4	1.1	< 0.1	1.1
R81	6.9	< 0.1	6.9	5.2	< 0.1	5.2	2.1	< 0.1	2.1
R82	6.4	< 0.1	6.4	4.8	< 0.1	4.8	3.2	< 0.1	3.2
R83	7.0	0.2	7.1	5.3	0.1	5.4	2.1	0.2	2.3
R84	5.9	< 0.1	5.9	4.5	< 0.1	4.5	1.8	< 0.1	1.8
R85	7.8	0.2	8.0	5.9	0.1	6.1	1.8	< 0.1	1.9
R86	8.2	0.2	8.3	6.2	0.1	6.3	2.2	< 0.1	2.3
R87	6.2	0.5	6.7	4.7	0.4	5.1	2.0	< 0.1	2.0
R88	5.6	0.8	6.4	4.3	0.6	4.9	1.5	< 0.1	1.6
R89	5.0	0.8	5.8	3.8	0.6	4.4	1.4	< 0.1	1.5
R90	3.7	< 0.1	3.7	2.8	< 0.1	2.8	1.3	< 0.1	1.3
R91	5.1	0.5	5.6	3.9	0.4	4.3	1.9	< 0.1	1.9
R92	4.5	0.8	5.3	3.4	0.6	4.0	1.4	< 0.1	1.4
R93	5.3	< 0.1	5.3	4.1	< 0.1	4.1	1.9	< 0.1	1.9
R94	5.8	0.2	5.9	4.4	0.1	4.5	1.6	< 0.1	1.6
R95	4.7	< 0.1	4.7	3.6	< 0.1	3.6	1.5	< 0.1	1.5
R96	5.1	0.3	5.4	3.8	0.2	4.1	2.2	< 0.1	2.2
R97	5.8	0.2	6.0	4.4	0.1	4.5	2.1	< 0.1	2.1
R98	3.8	< 0.1	3.8	2.8	< 0.1	2.8	2.0	< 0.1	2.0
R99	5.7	< 0.1	5.7	4.3	< 0.1	4.3	2.4	< 0.1	2.4
R100	4.5	< 0.1	4.5	3.4	< 0.1	3.4	1.8	< 0.1	1.8

Rec.	15-minute (mg/m³)			1-hour (mg/m³)			8-hour (mg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	4.0	0.3	4.3	3.0	0.2	3.3	2.0	< 0.1	2.0
R102	4.1	0.2	4.3	3.1	0.1	3.2	1.7	< 0.1	1.8
R103	3.8	< 0.1	3.8	2.9	< 0.1	2.9	1.4	< 0.1	1.4
R104	3.2	< 0.1	3.2	2.4	< 0.1	2.4	1.4	< 0.1	1.4
R105	2.5	0.3	2.9	1.9	0.2	2.2	1.0	< 0.1	1.0
R106	3.1	< 0.1	3.1	2.4	< 0.1	2.4	1.2	< 0.1	1.2
R107	3.5	< 0.1	3.5	2.7	< 0.1	2.7	1.6	< 0.1	1.6
R108	5.5	< 0.1	5.5	4.2	< 0.1	4.2	2.0	< 0.1	2.0
R109	4.8	< 0.1	4.8	3.6	< 0.1	3.6	2.9	< 0.1	2.9
R110	4.3	< 0.1	4.3	3.3	< 0.1	3.3	1.9	< 0.1	1.9
R111	3.8	< 0.1	3.8	2.9	< 0.1	2.9	1.9	< 0.1	1.9
R112	5.0	< 0.1	5.0	3.8	< 0.1	3.8	2.4	< 0.1	2.4
R113	4.8	< 0.1	4.8	3.6	< 0.1	3.6	2.4	< 0.1	2.4
R114	2.7	< 0.1	2.7	2.0	< 0.1	2.0	0.8	< 0.1	0.8
R115	3.3	< 0.1	3.3	2.5	< 0.1	2.5	1.3	< 0.1	1.3
R116	2.2	< 0.1	2.2	1.7	< 0.1	1.7	0.8	< 0.1	0.8
R117	2.9	< 0.1	2.9	2.2	< 0.1	2.2	1.1	< 0.1	1.1
R118	3.7	< 0.1	3.7	2.8	< 0.1	2.8	1.6	< 0.1	1.6
R119	4.0	< 0.1	4.0	3.0	< 0.1	3.0	2.3	< 0.1	2.3
R120	4.5	< 0.1	4.5	3.4	< 0.1	3.4	2.1	< 0.1	2.1
R121	3.8	< 0.1	3.8	2.9	< 0.1	2.9	1.8	< 0.1	1.8
R122	4.2	0.3	4.5	3.2	0.2	3.4	2.3	0.1	2.5
R123	3.8	0.3	4.1	2.9	0.2	3.1	2.4	< 0.1	2.5
R124	3.2	< 0.1	3.3	2.5	< 0.1	2.5	2.1	< 0.1	2.1
R125	3.6	< 0.1	3.6	2.7	< 0.1	2.7	2.0	< 0.1	2.0
R126	2.8	< 0.1	2.8	2.1	< 0.1	2.1	1.4	< 0.1	1.4
R127	5.6	0.2	5.8	4.3	0.1	4.4	2.4	< 0.1	2.4
R128	7.1	0.2	7.3	5.4	0.1	5.5	2.4	< 0.1	2.4

Sulphur dioxide (SO₂)

Maximum 1-hour and 24-hour average concentrations ($\mu\text{g}\cdot\text{m}^{-3}$).

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
Criterion			215			57
R1	25.7	< 0.1	25.7	4.5	0.6	5.1
R2	28.3	< 0.1	28.3	3.9	0.2	4.1
R3	24.7	< 0.1	24.7	3.6	0.2	3.8
R4	28.7	< 0.1	28.7	3.8	0.8	4.7
R5	18.8	2.9	21.7	3.1	0.1	3.3
R6	28.4	< 0.1	28.4	4.4	< 0.1	4.4
R7	14.3	< 0.1	14.3	3.1	1.3	4.4
R8	13.1	< 0.1	13.1	2.9	0.7	3.6
R9	13.2	< 0.1	13.2	3.7	0.2	4.0
R10	17.5	< 0.1	17.5	4.5	0.6	5.1
R11	13.7	< 0.1	13.7	4.5	< 0.1	4.5
R12	24.8	2.9	27.7	5.1	0.4	5.4
R13	26.2	2.9	29.0	4.1	0.4	4.4
R14	30.5	2.9	33.4	3.3	4.6	7.9
R15	16.4	< 0.1	16.4	2.4	8.2	10.6
R16	4.5	< 0.1	4.5	1.0	0.1	1.2
R17	4.4	< 0.1	4.4	0.8	1.1	1.9
R18	4.2	< 0.1	4.2	0.8	1.1	1.9
R19	4.6	< 0.1	4.6	1.3	0.2	1.6
R20	4.5	< 0.1	4.5	1.6	< 0.1	1.6
R21	4.3	< 0.1	4.3	1.4	0.1	1.5
R22	3.5	< 0.1	3.5	1.1	0.8	1.9
R23	3.4	< 0.1	3.4	1.1	0.2	1.4
R24	3.2	< 0.1	3.2	1.1	0.2	1.3
R25	3.3	< 0.1	3.3	0.8	0.2	1.1
R26	3.0	< 0.1	3.0	0.6	2.5	3.1
R27	2.1	< 0.1	2.1	0.4	1.8	2.1
R28	4.1	2.9	6.9	1.3	0.8	2.2
R29	3.7	< 0.1	3.7	1.4	< 0.1	1.4
R30	3.8	< 0.1	3.8	1.3	< 0.1	1.3

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R31	4.8	< 0.1	4.8	1.3	0.2	1.6
R32	3.8	< 0.1	3.8	0.8	< 0.1	0.8
R33	3.1	< 0.1	3.1	0.7	0.2	1.0
R34	3.2	< 0.1	3.2	0.8	0.2	1.0
R35	3.3	2.9	6.2	1.0	0.2	1.2
R36	4.2	< 0.1	4.2	0.8	1.1	1.9
R37	4.2	< 0.1	4.2	0.8	1.1	1.9
R38	11.7	< 0.1	11.7	2.9	0.2	3.1
R39	7.5	< 0.1	7.5	1.1	1.0	2.0
R40	16.5	< 0.1	16.5	2.4	9.8	12.1
R41	34.7	< 0.1	34.7	5.5	0.5	6.0
R42	15.3	< 0.1	15.3	4.6	0.5	5.1
R43	8.2	< 0.1	8.2	3.2	1.5	4.8
R44	10.3	< 0.1	10.3	4.6	< 0.1	4.6
R45	9.7	< 0.1	9.7	3.9	< 0.1	3.9
R46	5.9	< 0.1	5.9	2.9	0.2	3.1
R47	8.8	2.9	11.7	2.5	< 0.1	2.5
R48	10.5	2.9	13.4	2.6	0.2	2.8
R49	11.3	< 0.1	11.3	2.4	0.7	3.2
R50	7.5	2.9	10.3	2.1	0.1	2.2
R51	5.9	2.9	8.8	1.5	0.2	1.7
R52	6.5	< 0.1	6.5	1.8	0.7	2.5
R53	5.4	< 0.1	5.4	1.7	0.2	1.9
R54	4.4	< 0.1	4.4	1.0	< 0.1	1.0
R55	4.8	< 0.1	4.8	1.7	0.2	2.0
R56	5.0	2.9	7.9	1.6	0.8	2.4
R57	4.3	< 0.1	4.3	1.1	0.5	1.5
R58	4.5	< 0.1	4.5	1.7	0.2	1.9
R59	6.6	< 0.1	6.6	1.3	< 0.1	1.3
R60	5.2	< 0.1	5.2	1.1	< 0.1	1.1
R61	5.5	1.4	6.9	1.7	0.4	2.0
R62	6.5	2.9	9.4	0.9	0.2	1.1
R63	5.3	< 0.1	5.3	1.4	0.6	2.0
R64	5.4	2.9	8.2	0.7	1.3	2.0
R65	5.0	< 0.1	5.0	1.4	< 0.1	1.4

Rec.	1-hour (µg/m³)			24-hour (µg/m³)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R66	6.1	< 0.1	6.1	1.2	0.1	1.3
R67	4.1	< 0.1	4.1	1.1	0.4	1.4
R68	4.0	1.4	5.4	0.6	1.8	2.3
R69	3.4	< 0.1	3.4	0.8	0.6	1.4
R70	4.4	< 0.1	4.4	1.1	0.6	1.7
R71	8.8	< 0.1	8.8	1.7	8.2	9.9
R72	10.3	< 0.1	10.3	1.9	8.2	10.1
R73	11.6	< 0.1	11.6	2.0	8.2	10.3
R74	8.1	2.9	11.0	2.4	< 0.1	2.4
R75	4.7	< 0.1	4.7	1.4	< 0.1	1.4
R76	4.9	< 0.1	4.9	1.4	< 0.1	1.4
R77	7.8	2.9	10.6	1.5	0.4	1.8
R78	7.3	< 0.1	7.3	2.1	0.4	2.5
R79	5.3	1.4	6.7	1.5	0.4	1.9
R80	3.5	2.9	6.3	0.5	1.3	1.8
R81	6.5	< 0.1	6.5	1.5	< 0.1	1.5
R82	6.1	< 0.1	6.1	2.1	< 0.1	2.1
R83	6.6	2.9	9.5	1.0	< 0.1	1.0
R84	5.6	< 0.1	5.6	0.8	0.6	1.4
R85	7.4	< 0.1	7.4	1.7	0.4	2.1
R86	7.7	< 0.1	7.7	1.8	0.4	2.1
R87	5.9	2.9	8.8	1.1	0.4	1.4
R88	5.3	2.9	8.2	0.7	2.3	3.0
R89	4.8	2.9	7.6	0.7	2.3	2.9
R90	3.5	< 0.1	3.5	0.6	1.3	1.9
R91	4.9	2.9	7.7	0.9	0.4	1.3
R92	4.2	2.9	7.1	0.6	2.3	2.9
R93	5.1	1.4	6.5	1.3	0.4	1.6
R94	5.5	< 0.1	5.5	1.4	0.4	1.8
R95	4.4	< 0.1	4.4	1.3	0.4	1.6
R96	4.8	2.9	7.7	1.7	< 0.1	1.7
R97	5.5	< 0.1	5.5	1.4	0.7	2.1
R98	3.6	< 0.1	3.6	1.6	< 0.1	1.6
R99	5.4	2.9	8.3	1.5	< 0.1	1.5
R100	4.3	1.4	5.7	0.9	< 0.1	0.9

Rec.	1-hour ($\mu\text{g}/\text{m}^3$)			24-hour ($\mu\text{g}/\text{m}^3$)		
	Incr.	Bkg.	Cumul.	Incr.	Bkg.	Cumul.
R101	3.8	2.9	6.7	1.4	< 0.1	1.4
R102	3.9	2.9	6.7	1.3	0.2	1.5
R103	3.6	< 0.1	3.6	1.0	0.2	1.3
R104	3.1	< 0.1	3.1	0.6	2.5	3.1
R105	2.4	2.9	5.3	0.5	0.7	1.2
R106	3.0	< 0.1	3.0	0.5	1.8	2.3
R107	3.4	< 0.1	3.4	0.6	1.0	1.6
R108	5.2	< 0.1	5.2	0.9	0.2	1.2
R109	4.5	< 0.1	4.5	1.1	< 0.1	1.1
R110	4.1	< 0.1	4.1	0.9	0.4	1.3
R111	3.6	< 0.1	3.6	0.6	< 0.1	0.6
R112	4.7	< 0.1	4.7	1.0	1.1	2.1
R113	4.6	< 0.1	4.6	0.9	< 0.1	0.9
R114	2.6	< 0.1	2.6	0.3	1.4	1.8
R115	3.2	< 0.1	3.2	0.6	0.6	1.2
R116	2.1	< 0.1	2.1	0.3	< 0.1	0.3
R117	2.8	2.9	5.6	0.5	0.6	1.1
R118	3.5	< 0.1	3.5	0.7	0.1	0.9
R119	3.8	< 0.1	3.8	0.7	< 0.1	0.7
R120	4.3	< 0.1	4.3	0.9	1.1	1.9
R121	3.6	2.9	6.5	0.9	0.8	1.8
R122	4.0	< 0.1	4.0	1.7	< 0.1	1.7
R123	3.6	< 0.1	3.6	1.6	0.5	2.1
R124	3.1	< 0.1	3.1	1.0	0.5	1.5
R125	3.4	< 0.1	3.4	1.7	1.5	3.2
R126	2.6	< 0.1	2.6	0.7	< 0.1	0.7
R127	5.4	2.9	8.2	1.9	0.1	2.1
R128	6.8	< 0.1	6.8	2.2	< 0.1	2.2

Air toxics / VOCs

Maximum 1-hour (99.9th percentile) incremental concentrations by receptor ($\text{mg}\cdot\text{m}^{-3}$).

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
Criterion	0.0004	0.029	0.36	0.19	0.02
R1	9.30E-08	6.29E-03	2.26E-03	1.58E-03	6.38E-04
R2	1.15E-07	7.75E-03	2.79E-03	1.94E-03	7.87E-04
R3	1.14E-07	7.72E-03	2.78E-03	1.94E-03	7.84E-04
R4	1.18E-07	8.01E-03	2.88E-03	2.01E-03	8.14E-04
R5	1.06E-07	7.18E-03	2.58E-03	1.80E-03	7.29E-04
R6	1.03E-07	6.97E-03	2.51E-03	1.75E-03	7.08E-04
R7	9.49E-08	6.41E-03	2.31E-03	1.61E-03	6.52E-04
R8	9.08E-08	6.14E-03	2.21E-03	1.54E-03	6.24E-04
R9	6.58E-08	4.45E-03	1.60E-03	1.12E-03	4.52E-04
R10	8.48E-08	5.73E-03	2.06E-03	1.44E-03	5.82E-04
R11	9.44E-08	6.38E-03	2.30E-03	1.60E-03	6.48E-04
R12	9.76E-08	6.60E-03	2.38E-03	1.66E-03	6.70E-04
R13	8.08E-08	5.46E-03	1.97E-03	1.37E-03	5.55E-04
R14	8.96E-08	6.06E-03	2.18E-03	1.52E-03	6.15E-04
R15	8.17E-08	5.52E-03	1.99E-03	1.39E-03	5.61E-04
R16	3.90E-08	2.64E-03	9.49E-04	6.62E-04	2.68E-04
R17	2.87E-08	1.94E-03	7.00E-04	4.88E-04	1.97E-04
R18	2.94E-08	1.99E-03	7.16E-04	4.99E-04	2.02E-04
R19	3.33E-08	2.25E-03	8.10E-04	5.65E-04	2.29E-04
R20	3.16E-08	2.14E-03	7.69E-04	5.37E-04	2.17E-04
R21	3.02E-08	2.04E-03	7.35E-04	5.13E-04	2.07E-04
R22	2.92E-08	1.98E-03	7.11E-04	4.96E-04	2.01E-04
R23	2.92E-08	1.97E-03	7.10E-04	4.95E-04	2.00E-04
R24	2.82E-08	1.90E-03	6.86E-04	4.78E-04	1.93E-04
R25	2.61E-08	1.77E-03	6.36E-04	4.43E-04	1.79E-04
R26	2.32E-08	1.57E-03	5.65E-04	3.94E-04	1.59E-04
R27	1.72E-08	1.16E-03	4.18E-04	2.92E-04	1.18E-04
R28	3.20E-08	2.16E-03	7.79E-04	5.43E-04	2.20E-04
R29	3.15E-08	2.13E-03	7.66E-04	5.34E-04	2.16E-04
R30	2.94E-08	1.99E-03	7.15E-04	4.98E-04	2.02E-04
R31	3.83E-08	2.59E-03	9.32E-04	6.50E-04	2.63E-04
R32	2.72E-08	1.84E-03	6.61E-04	4.61E-04	1.86E-04

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R33	2.37E-08	1.60E-03	5.78E-04	4.03E-04	1.63E-04
R34	2.39E-08	1.62E-03	5.83E-04	4.06E-04	1.64E-04
R35	2.68E-08	1.81E-03	6.53E-04	4.56E-04	1.84E-04
R36	2.77E-08	1.88E-03	6.75E-04	4.71E-04	1.91E-04
R37	2.87E-08	1.94E-03	6.99E-04	4.88E-04	1.97E-04
R38	8.54E-08	5.77E-03	2.08E-03	1.45E-03	5.86E-04
R39	4.70E-08	3.18E-03	1.14E-03	7.97E-04	3.23E-04
R40	9.74E-08	6.59E-03	2.37E-03	1.65E-03	6.69E-04
R41	9.43E-08	6.37E-03	2.29E-03	1.60E-03	6.48E-04
R42	7.07E-08	4.78E-03	1.72E-03	1.20E-03	4.85E-04
R43	5.95E-08	4.02E-03	1.45E-03	1.01E-03	4.09E-04
R44	8.29E-08	5.61E-03	2.02E-03	1.41E-03	5.70E-04
R45	7.11E-08	4.81E-03	1.73E-03	1.21E-03	4.88E-04
R46	5.40E-08	3.65E-03	1.31E-03	9.17E-04	3.71E-04
R47	5.57E-08	3.77E-03	1.36E-03	9.46E-04	3.83E-04
R48	5.99E-08	4.05E-03	1.46E-03	1.02E-03	4.11E-04
R49	6.05E-08	4.09E-03	1.47E-03	1.03E-03	4.16E-04
R50	5.51E-08	3.72E-03	1.34E-03	9.35E-04	3.78E-04
R51	3.92E-08	2.65E-03	9.54E-04	6.65E-04	2.69E-04
R52	3.66E-08	2.48E-03	8.91E-04	6.22E-04	2.52E-04
R53	3.65E-08	2.47E-03	8.90E-04	6.20E-04	2.51E-04
R54	2.93E-08	1.98E-03	7.13E-04	4.97E-04	2.01E-04
R55	3.59E-08	2.43E-03	8.74E-04	6.09E-04	2.47E-04
R56	3.53E-08	2.39E-03	8.60E-04	6.00E-04	2.43E-04
R57	3.43E-08	2.32E-03	8.35E-04	5.82E-04	2.36E-04
R58	3.81E-08	2.57E-03	9.27E-04	6.46E-04	2.61E-04
R59	4.20E-08	2.84E-03	1.02E-03	7.12E-04	2.88E-04
R60	4.19E-08	2.83E-03	1.02E-03	7.12E-04	2.88E-04
R61	4.29E-08	2.90E-03	1.05E-03	7.29E-04	2.95E-04
R62	3.96E-08	2.68E-03	9.64E-04	6.72E-04	2.72E-04
R63	4.03E-08	2.73E-03	9.81E-04	6.84E-04	2.77E-04
R64	3.50E-08	2.37E-03	8.52E-04	5.94E-04	2.40E-04
R65	4.53E-08	3.06E-03	1.10E-03	7.69E-04	3.11E-04
R66	4.46E-08	3.02E-03	1.09E-03	7.58E-04	3.07E-04
R67	3.84E-08	2.60E-03	9.36E-04	6.52E-04	2.64E-04
R68	2.78E-08	1.88E-03	6.77E-04	4.72E-04	1.91E-04
R69	2.55E-08	1.72E-03	6.20E-04	4.33E-04	1.75E-04

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R70	3.62E-08	2.45E-03	8.82E-04	6.15E-04	2.49E-04
R71	4.77E-08	3.23E-03	1.16E-03	8.10E-04	3.28E-04
R72	5.27E-08	3.56E-03	1.28E-03	8.95E-04	3.62E-04
R73	6.08E-08	4.11E-03	1.48E-03	1.03E-03	4.18E-04
R74	5.59E-08	3.78E-03	1.36E-03	9.50E-04	3.84E-04
R75	4.01E-08	2.71E-03	9.76E-04	6.80E-04	2.75E-04
R76	3.60E-08	2.43E-03	8.76E-04	6.11E-04	2.47E-04
R77	4.14E-08	2.80E-03	1.01E-03	7.03E-04	2.85E-04
R78	4.53E-08	3.07E-03	1.10E-03	7.70E-04	3.11E-04
R79	4.02E-08	2.71E-03	9.77E-04	6.82E-04	2.76E-04
R80	2.56E-08	1.73E-03	6.24E-04	4.35E-04	1.76E-04
R81	4.00E-08	2.71E-03	9.74E-04	6.79E-04	2.75E-04
R82	4.40E-08	2.97E-03	1.07E-03	7.46E-04	3.02E-04
R83	4.28E-08	2.90E-03	1.04E-03	7.27E-04	2.94E-04
R84	4.73E-08	3.20E-03	1.15E-03	8.02E-04	3.25E-04
R85	3.57E-08	2.42E-03	8.70E-04	6.07E-04	2.45E-04
R86	3.89E-08	2.63E-03	9.47E-04	6.60E-04	2.67E-04
R87	3.78E-08	2.56E-03	9.21E-04	6.42E-04	2.60E-04
R88	3.66E-08	2.47E-03	8.90E-04	6.21E-04	2.51E-04
R89	3.40E-08	2.30E-03	8.27E-04	5.77E-04	2.33E-04
R90	2.99E-08	2.02E-03	7.28E-04	5.08E-04	2.05E-04
R91	3.50E-08	2.37E-03	8.51E-04	5.94E-04	2.40E-04
R92	3.18E-08	2.15E-03	7.75E-04	5.40E-04	2.19E-04
R93	3.74E-08	2.53E-03	9.10E-04	6.35E-04	2.57E-04
R94	3.69E-08	2.50E-03	8.99E-04	6.27E-04	2.54E-04
R95	3.45E-08	2.33E-03	8.39E-04	5.85E-04	2.37E-04
R96	2.99E-08	2.02E-03	7.27E-04	5.07E-04	2.05E-04
R97	3.28E-08	2.22E-03	7.98E-04	5.56E-04	2.25E-04
R98	2.76E-08	1.87E-03	6.73E-04	4.69E-04	1.90E-04
R99	3.16E-08	2.14E-03	7.69E-04	5.36E-04	2.17E-04
R100	3.02E-08	2.04E-03	7.35E-04	5.13E-04	2.07E-04
R101	2.50E-08	1.69E-03	6.08E-04	4.24E-04	1.72E-04
R102	3.07E-08	2.07E-03	7.47E-04	5.21E-04	2.11E-04
R103	2.62E-08	1.77E-03	6.37E-04	4.44E-04	1.80E-04
R104	2.33E-08	1.57E-03	5.67E-04	3.95E-04	1.60E-04
R105	1.75E-08	1.18E-03	4.26E-04	2.97E-04	1.20E-04
R106	2.37E-08	1.60E-03	5.77E-04	4.02E-04	1.63E-04

Rec.	PAH	Benzene	Toluene	Xylenes	Formaldehyde
R107	2.80E-08	1.89E-03	6.82E-04	4.75E-04	1.92E-04
R108	3.81E-08	2.57E-03	9.26E-04	6.46E-04	2.61E-04
R109	3.78E-08	2.55E-03	9.19E-04	6.41E-04	2.59E-04
R110	3.13E-08	2.12E-03	7.62E-04	5.32E-04	2.15E-04
R111	3.01E-08	2.04E-03	7.34E-04	5.12E-04	2.07E-04
R112	3.47E-08	2.34E-03	8.44E-04	5.89E-04	2.38E-04
R113	3.48E-08	2.35E-03	8.46E-04	5.90E-04	2.39E-04
R114	2.29E-08	1.55E-03	5.57E-04	3.89E-04	1.57E-04
R115	2.31E-08	1.56E-03	5.63E-04	3.92E-04	1.59E-04
R116	1.53E-08	1.03E-03	3.71E-04	2.59E-04	1.05E-04
R117	1.95E-08	1.32E-03	4.74E-04	3.30E-04	1.34E-04
R118	2.95E-08	1.99E-03	7.18E-04	5.00E-04	2.02E-04
R119	3.37E-08	2.28E-03	8.20E-04	5.72E-04	2.32E-04
R120	3.02E-08	2.04E-03	7.34E-04	5.12E-04	2.07E-04
R121	2.70E-08	1.82E-03	6.57E-04	4.58E-04	1.85E-04
R122	3.29E-08	2.23E-03	8.02E-04	5.59E-04	2.26E-04
R123	3.51E-08	2.37E-03	8.54E-04	5.96E-04	2.41E-04
R124	2.70E-08	1.82E-03	6.56E-04	4.58E-04	1.85E-04
R125	3.06E-08	2.07E-03	7.46E-04	5.20E-04	2.10E-04
R126	2.08E-08	1.40E-03	5.06E-04	3.53E-04	1.43E-04
R127	4.06E-08	2.75E-03	9.89E-04	6.90E-04	2.79E-04
R128	4.28E-08	2.90E-03	1.04E-03	7.27E-04	2.94E-04
Max. at boundary	1.44E-07	9.75E-03	–	–	9.91E-04

APPENDIX I

Correspondence with CASA

Martin Doyle

From: Windebank, Matthew <Matthew.Windebank@casa.gov.au>
Sent: Monday, 27 October 2025 11:19 AM
To: Martin Doyle; ANAA Corro
Cc: Adam Pavlovic
Subject: F21 26508-7 Proposed data centre, 706-752 Mamre Road, Kemps Creek NSW - CASA
REPLY [SEC=OFFICIAL]

OFFICIAL

Good morning Martin,

CASA has reviewed the data as provided for the plume at 706-752 Mamre Road Kemps Creek as requested.

The CASA assessment toll indicates that the plume will reduce to a vertical velocity of 4.3 ms at a height of 51 m AGL. Ground height at the site is approx.. 75 m AHD. Total height will be approx. 126 m AHD. The OLS at this location is 231 m AHD. Therefore, the plume from this development will not be a hazard to aircraft operations and no CASA mitigation are required. CASA has no objection to the proposal as detailed below.

Regards

Matthew Windebank
Senior Aerodrome Specialist | Geospatial Assessment
Air Navigation, Airspace & Aerodromes Branch
CASA Air Navigation, Transformation and Risk Division

CASA has also been contacted to provide comment on the revised design (see overleaf).

Martin Doyle

From: Windebank, Matthew <Matthew.Windebank@casa.gov.au>
Sent: Monday, 29 June 2026 9:59 AM
To: Martin Doyle
Cc: Adam Pavlovic
Subject: F21 26508-7 - Data centre plume assessment -706-752 Mamre Road Kemps Creek - CASA REPLY - adjusted output data [SEC=OFFICIAL]

OFFICIAL

Good morning Martin,

CASA has reviewed the adjusted data as provided for the plume at 706-752 Mamre Road Kemps Creek as requested.

The CASA plume assessment tool indicates that the plume (normal operating conditions) will reduce to a vertical velocity of 6.1 ms (new assessment criteria) at a height of 43.1 m AGL. Ground height at the site is approx. 75 m AHD. Total height will be approx. 118 m AHD. The OLS at this location is 231 m AHD. Therefore, the plume from this development under normal operating conditions will not be a hazard to aircraft operations and no CASA mitigations are required.

During an emergency event in which all stacks will be venting at the same time, the plume will exceed the calculated plume height mentioned above. Therefore, under emergency conditions (rare event), the operator of the data centre must immediately advise Western Sydney Airport Management and also Airservices Air Traffic Control of a plume impacting the airspace in the vicinity of the data centre and the expected time frame of the emergency. At 7km from the runway ends, any such plume is unlikely to be a hazard to medium to large size passenger aircraft operating to and from Sydney Airport. It may however have an impact on light aircraft transiting through Western Sydney Airspace. Reporting the event will allow both Western Sydney Airport and Airservices to advise all pilots flying through the adjacent airspace that turbulence might be encountered in the vicinity of the data centre.

CASA also recommends that once completed and prior to commissioning, that Airservices be contacted to ensure a 'plume' symbol is added to aviation maps and charts for the benefit of pilots planning operations in the area.

Matthew Windebank
Senior Aerodrome Specialist | Geospatial Assessment
Air Navigation, Airspace & Aerodromes Branch
CASA Air Navigation, Transformation and Risk Division

p: 131 757
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APPENDIX J

Review of Feasible Best Available Techniques (BAT) Measures

The following additional controls demonstrate how air quality impacts could be further reduced through the application of feasible Best Available Techniques (BAT), consistent with the operational and site-specific conditions of the Proposal. To prevent or minimise emissions during operation, BAT ensures through proper design, operation, and maintenance, that emission control techniques are utilised at their optimal capacity and availability.

Source – Pathway – Receptor Model

The source-pathway-receptor (SPR) model is useful for understanding the hypothetical relationships between contributing factors to create exposure linkages and also how controls may be applied to manage the risk of exposure from those linkages. Each component of the SPR model is defined below, as relates to the context of this AQIA:

- **Source** – the origin of air emissions, which in this case is the discharge points from the back-up generators.
- **Pathway** – the route through which pollutants disperse from source to receptor. In this case the pathway assessed is through atmospheric dispersion which can be influenced by various parameters such as meteorological conditions, terrain, and characteristics of the emission source(s).
- **Receptor** – The presence of receptors that could be adversely affected by a contaminant. In this case receptors are assessed as the receptor locations identified in Section 4.

For air emissions to have an impact on the receiving environment, there needs to be a connection through the SPR model. This means that the source of pollution, the way it travels (pathway), and the affected area (receptor) must all be linked for there to be a potential risk.

Identification of the SPR model allows for targeted management interventions to manage the environmental risks and prevent pollution from reaching sensitive areas.

Hierarchy of Controls

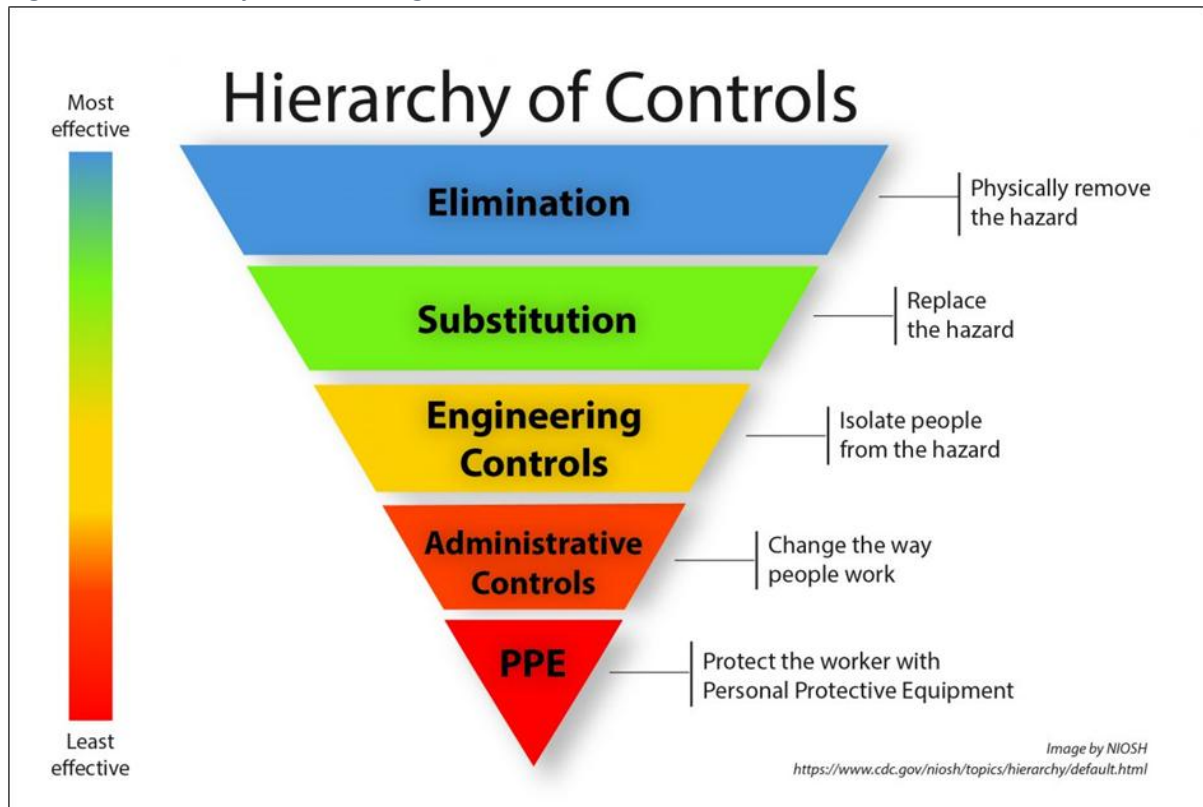
The hierarchy of controls are a well-documented and utilised tool for evaluating the efficacy and reliability for the control of hazards. An example of the hierarchy is presented in Figure J1.

The hierarchy of controls shows 'elimination' of the hazard as the most desirable control, through 'substitution', 'engineering' and 'administrative controls' to 'PPE' (i.e. protection from the hazard at the point of exposure) being the least effective.

For each identified potential control that is subsequently evaluated below, each control has been given a unique identifier that is [S x], [P x] or [R x] relating to how they fit into the SPR model and x being a sequential number (e.g. [S1], [S2], [S3]... for identified controls at source).

It is noted that these references may occur in multiple places in the following sections.

Figure J1 Hierarchy of controlling hazards and risks



Source: Centres for Disease Control and Prevention (CDC) / National Institute for Occupational Safety & Health (NIOSH)

Controls at Source

Air pollution controls at the source may involve the installation of emission control devices and adoption of efficient power generation techniques to minimise pollutant releases from the Proposal site.

Selection of Generators

The capacity, number and configuration of the back-up generators at the Proposal site will have been dependant on the requirements sought by the Applicant during the detailed design phase of the development.

Key factors which may have influenced the selection of generators at the Proposal site include (in no order) fuel efficiency, reliability, capabilities to retrofit air pollution control (APC) techniques, start-up times and compliance with appropriate emissions limit values as specified in legislative and regulatory requirements.

The UK Environment Agency's working draft guide on the approach to the permitting and regulatory aspects for Data Centres (UK Environment Agency, 2018) notes that:

"It is generally accepted that the BAT for data centre back-up generation is presently a set of diesel generators – this allows for an on-site store of fuel for reliability and a scalable provision of MWelec."

Other technologies identified for standby power generation purposes include the Diesel Rotary Uninterruptible Power Supply engine (DRUPS) and natural gas-fuelled back-up generators utilising either combined-cycle or open-cycle gas turbine technologies or employing spark ignition.

In terms of generator selection for the Proposal site:

- Diesel engines can offer a faster response speed relative to the demanded load; making them a crucial component for data centre operations which require fast response times. Rapid start-up of back-up generators is essential where a near instantaneous supply of electricity is imperative in the event of a power outage.
- Diesel engines typically have lower maintenance cost compared to gas-fired generators; and,
- Ensuring a reliable fuel supply, particularly diesel, is essential for maintaining dependability. Use of a natural gas generator for example would necessitate reliance on an off-site supply network.

In terms of pollutants, NO_x is a predominant byproduct obtained from the combustion process. The adoption of low NO_x engine technology would aide in reducing emissions at source. It is acknowledged that gas engines are known to emit lower amounts of NO_x, SO_x, and PM in comparison to diesel fired engines.

As each generator has a unique specification for operating conditions (such as fuel consumption rate, operating temperature, and resultant emission specifications), the selection of generators to account for the different emission specification is a consideration for control [S1].

In Chapter 3 of the BAT Reference Document (BREF) for Large Combustion Plants (LCP BREF) (Lecomte, et al., 2017) low NO_x burners are described as employing a combination of air staging, fuel staging and internal flue-gas recirculation techniques to achieve low NO_x emission from combustion. The control efficiency can vary depending on the specific design of the burner, the combustion technology applied and fuel type, with low NO_x burners generally achieving between 20 % and 70 % of a reduction of NO_x emissions (Lecomte, et al., 2017) [S2].

Emissions Standards

In NSW, standby generators are not required to comply with emissions standards, as long as their operation does not exceed a specific annual hour limit or if maintenance and testing activities are conducted for less than a designated number of hours per year (refer Section 3 of main report).

Schedule 2 of the POEO CAR sets out emission limits relevant to standby electricity generators as a scheduled activity. Table J1 outlines the relevant standards of concentrations for scheduled premises where it relates to standby diesel generator power electricity generation.

Table J1 POEO CAR Schedule 2 – standards of concentrations for scheduled premises

Air impurity	Activity or plant	Standard of concentration ^(B)
Solid particles (total)	An activity or plant using a liquid or solid standard fuel or a non-standard fuel	50 mg·Nm ⁻³
Nitrogen dioxide (NO ₂) or nitric oxide (NO) or both, as NO ₂ equivalent	Stationary reciprocating internal combustion engines	450 mg·Nm ⁻³ ^(A)
Volatile organic compounds (VOCs), as n-propane	A stationary reciprocating internal combustion engine using a liquid fuel	1 140 mg·Nm ⁻³ ^(A) VOCs or 5 880 mg·Nm ⁻³ ^(A) CO
Smoke	Any activity or plant in connection with which liquid or gaseous fuel is burnt	Ringelmann 1 or 20 % opacity

Notes: (A): POEO CAR Sch 2, Pt 3, Div 1: dry, 273 K, 101.3 kPa, 7 % O₂

(B): Concentrations derived for Group 6.

Standby generators in Australia commonly adhere to either United States (US) emissions standards (Tier 1 to Tier 4) or European Union (EU) emissions standards (Stage I to Stage V) due to the prevalent manufacturing of diesel engines in these regions.

The US non-road emissions standards are categorised by engine horsepower and model year, regulated by the US EPA. Tier 1 standards were phased in from 1996 to 2000, followed by more stringent Tier 2 from 2001 to 2006, and Tier 3 from 2006 to 2008 (applicable to engines from 37 kW to 560 kW).

Current US EPA Tier 4 standards, implemented from 2008 to 2015, require around a 90 % reduction in NO_x and PM emissions, achieved through exhaust gas aftertreatment technologies. The California Air Resources Board (CARB) is developing US EPA Tier 5 standards to be in place between 2028 and 2030, aiming to further reduce NO_x and PM emissions by between 50 %-90 %, which currently under consideration by the US EPA for adoption into their respective non-road engine regulations.

An air information report published by NSW EPA on the reduction of emissions from non-road diesel engines (NSW EPA, 2014) notes that:

Tier 4 emission standards make provision for the following reductions compared to Tier 1 emission standards:

- 95 % reduction in NO_x for engines less than 560 kW and 60% reduction for larger engines;
- 85 % reduction in HC for engines less than 560 kW and 70% reduction for larger engines, and,
- 50–60% reduction in PM during first phase (2008), and 80–95% reduction in second phase (2013–2015).

Table J2 provides details of the corresponding US EPA Tier 1 to Tier 3 emissions standards for engines rated above 560 kW and Table J3 outlines the respective requirements under US EPA Tier 4 emissions standards.

Table J2 US EPA Tier 1 to Tier 3 emissions standards – engines above 560 kW

Rated power	Tier	Model year	Emissions standards					
			Units	CO	HC	NMHC + NO _x	NO _x	PM
≥ 560 kW (≥ 750 hp)	Tier 1	2000	g-kWh ⁻¹	11.4	1.3	-	9.2	0.54
			g-bhp-hr ⁻¹	8.5	1.0	-	6.9	0.4
	Tier 2	2006	g-kWh ⁻¹	3.5	-	6.4	-	0.2
			g-bhp-hr ⁻¹	2.6	-	4.8	-	0.15

Note: NMHC – non-methane hydrocarbon

The US EPA Tier 4 emission standards were phased in from 2008 to 2015 and introduced substantial reductions of NO_x (for engines above 56 kW) and PM (above 19 kW), as well as more stringent HC limits. CO emission limits remain unchanged from the US EPA Tier 2 and 3 stages. The 2011 standards as listed in Table J3 are sometimes referred to as 'transitional Tier 4', whilst the 2015 limits represent final US EPA Tier 4 standards.

Table J3 US EPA Tier 4 emissions standards – engines above 560 kW

Model year	Category	Emissions standards				
		Units	CO	NMHC	NO _x	PM
2011 - 2014	Generator sets > 900 kW	g-kWh ⁻¹	3.5	0.40	0.67	0.10
		g-bhp-hr ⁻¹	2.6	0.30	0.50	0.075
	All engines except gensets > 900 kW	g-kWh ⁻¹	3.5	0.40	3.5	0.10
		g-bhp-hr ⁻¹	2.6	0.30	2.6	0.075
2015	Generator sets	g-kWh ⁻¹	3.5	0.19	0.67	0.03
		g-bhp-hr ⁻¹	2.6	0.14	0.5	0.022
	All engines except gensets	g-kWh ⁻¹	3.5	0.19	3.5	0.04
		g-bhp-hr ⁻¹	2.6	0.14	2.6	0.03

Note: NMHC – non-methane hydrocarbon

European emissions standards are set under a tiered system, similar to the US approach. EU Stages I–IV were established under Directive 97/68/EC and subsequent amendments which apply to non-road mobile machinery and stationary engines, including generators.

An overview of the key EU Stage emissions standards for diesel generators is provided below:

- **EU Stage I and II** – Early standards setting limits on NO_x, CO, HC, and PM emissions, phased in during the late 1990s and early 2000s.
- **EU Stage IIIA and IIIB** – Introduced tighter emissions limits with Stage IIIB requiring particulate filters to reduce PM emissions significantly. These stages correspond broadly to US EPA Tier 2 and Tier 3 standards.

- **EU Stage IV** – Requires advanced aftertreatment such as Selective Catalytic Reduction (SCR) and Diesel Particulate Filters (DPF) to meet lower NO_x and PM limits, similar to US EPA Tier 4.
- **EU Stage V** – The latest regulations effective from 2019 to 2021, tightening limits further and setting particle number limits for some engine sizes. EU Stage V covers power ranges above 56 kW, including large generator engines. It drives adoption of the latest aftertreatment technologies and cleaner engine designs.

EU Directive 2015/2193 on Medium Combustion Plant (MCPD) establishes requirements for stationary combustion plants with a thermal rating of equal to or more than 1 MW and less than 50 MW with limits for SO₂, NO_x, and PM. According to MCPD Article 6, emergency plants operating less than 500 hours per year, as a five-year rolling average, are exempt from emission limit values. Each generator with its own discharge stack, under MCPD provisions, can operate for testing or emergencies for up to 500 hours per calendar year without emission limit values under the MCPD. If generators share a common discharge stack, the set can be tested and maintained without emissions limit values for up to 500 hours per year.

Other non-road engine emissions in Europe adhere to EU Directive 2016/1628, known as the NRMM Regulation. This regulation sets emission limits for various power ranges and applications, outlining procedures for engine manufacturers to obtain type-approval. European Stage V standards, derived from Directive 2016/1628, mandates stringent limits on PM emissions, necessitating diesel particulate filters (DPFs) for non-road engines rated between 19 kW and 560 kW. Stage V emissions limits are also established for engines above 560 kW and examination of advanced aftertreatment technologies.

It is noted that no specific EU emissions standards explicitly covering diesel generators above 560 kW before the introduction of EU Stage V regulations as previous regulations such as EU Stages I through IV mainly targeted engines below 560 kW.

Table J4 provides the EU Stage V emissions limits for generators set engines rated above 560 kW.

Table J4 EU Stage V emissions standards for nonroad diesel engines

Engine category	Ignition type	Net power (kW)	Date	Emission limit (g-kWh ⁻¹)			
				CO	HC	NO _x	PM
NRG-v-1 NRG-c-1	All	P > 560	2019	3.5	0.19	0.67	0.035

While the standby generators [S1] for the Proposal are yet to be finalised, indicative engine specifications for candidate models are provided in Appendix E.

Selection of Fuel

The Proposal site is anticipated to utilise diesel for the purposes of standby power generation [S2]. Diesel is typically the fuel used for emergency generators, and reciprocating engines fuelled by low-sulphur diesel are the most common choice for other developments of this nature. Diesel fuel in Australia is subject to specified

parameters governing environmental factors like sulphur and hydrocarbons (HC), as well as operational considerations such as carbon residue and sediments, which can impact engine performance.

The Fuel Standard (Automotive Diesel) Determination 2001, as authorised by the Fuel Quality Standard Act 2000 denotes that diesel fuels must not contain more than 10 mg·kg⁻¹ (ppm) from 1 January 2009.

In the US, non-road engine emission regulations allowed higher sulphur content (up to 0.5 %) at Tier 1 to Tier 3 stages. However, to accommodate sulphur-sensitive control technologies in Tier 4 engines, like catalytic particulate filters, the US EPA mandated a reduction in sulphur content to 15 ppm for non-road diesel fuels.

An emerging and potentially viable alternative fuel source for standby generators pertains to Hydrotreated Vegetable Oil (HVO) which is a renewable fuel for standby power generation [S3]. HVO, a biofuel produced from waste fats and oils through hydrocracking or hydrogenation, has properties similar to diesel but burns cleaner, significantly lowering CO₂, NO_x, and particulate emissions. It provides a cost-effective alternative, as it can be blended with diesel in any ratio and integrated into existing generator systems. When used alongside Selective Catalytic Reduction (SCR) technology, HVO further enhances NO_x and particulate emissions reduction.

Key properties of HVO include:

- Reliable performance in colder temperature;
- Low tendency for deposit formation in fuel systems;
- Compatibility with engine oil, without dilution issues;
- Potential for more efficient, low-emission diesel engines; and
- Greenhouse gas emissions reduction between 50 % - 90 % depending on feedstock and blend.

Compared to diesel, HVO can reduce¹:

- Fine particles (PM) by up to 33 %;
- Nitrogen oxides (NO_x) by up to 9 %;
- Hydrocarbons (HC) by up to 30 %;
- Carbon monoxide (CO) by up to 24 %;

HVO meets EN 15940 standards for paraffinic fuels and can blend with EN 590 diesel. The adoption of HVO is growing due to compatibility with existing generators and reduced initial costs. However, its current adoption is limited by supply chain constraints and higher costs. Supply chains are expanding to meet increasing demand, essential for broader uptake in carbon reduction efforts.

¹ https://www.neste.be/sites/neste.com/files/neste_my_renewable_diesel_a4-factsheet_be-english.pdf

Hydrogen (H₂) fuel cells (HFC) [S4] present a promising pathway towards decarbonising data centre backup and auxiliary power². When powered by green H₂, fuel cells can deliver near-zero carbon emissions with only water and heat as byproducts, making them attractive for hyperscale operators aiming to match sustainability targets. Major pilot and commercial demonstration projects, such as those by Microsoft and Caterpillar³, have shown that HFC systems are technically capable of delivering reliable backup power to data centre operations by successfully supporting power loads for extended periods and performing well under challenging conditions (e.g., at high elevation and sub-zero temperatures). Modular scalability and integration with battery and grid systems can add resilience and operational flexibility.

However, several critical constraints remain for the widespread selection of hydrogen fuel cells as the primary backup solution:

- **Implementation Costs** – High initial capital expenditure on HFC and associated storage / compression infrastructure; green H₂ supply is currently much more expensive than grid electricity or conventional fuels.
- **Regulatory Requirements** – On site H₂ use is governed by stringent safety and environmental regulations, and permitting remains a challenge within urban or densely built environments.
- **Environmental Impacts** – The carbon abatement potential directly depends on the source of H₂. Green H₂ provides full benefits, but ‘grey’ or ‘blue’ hydrogen still involve some fossil fuel use or lifecycle emissions. ‘Pink’ H₂ which is produced using nuclear energy offers significant carbon reduction potential however involves other environmental considerations.
- **Safety Implications** – H₂’s flammability, low ignition energy, and high storage pressure present greater fire / explosion risks than diesel, necessitating advanced monitoring, containment, and emergency management.
- **System Compatibility** – Adoption typically requires conversion from DC to AC, changes to site electrical architecture, adaptation of generator control logic, and significant re-engineering of mechanical systems for safe, on-demand hydrogen storage and fuel delivery.

Given these factors, HFCs are best viewed as an emerging, potentially transformative solution for decarbonising data centre power, particularly where commercial-scale green H₂ and the necessary Proposal site infrastructure are available. In the current market, they are most feasible in demonstration or hybrid setups, often paired with batteries and conventional generators to ensure both technical reliability and regulatory compliance.

Battery Energy Storage Systems (BESS) [S5] are essentially large-scale rechargeable battery banks and have evolved from niche pilots to essential components in modern data centres, driven by increasing power demand, the need for uninterrupted uptime, rising energy costs, and sustainability goals. BESS provide near-

² <https://www.fastechus.com/blog/ai-evolution-hydrogen-sustainable-data-centers>

³ <https://www.powermag.com/hydrogen-fuel-cell-provides-backup-power-for-microsoft-data-center/>

instantaneous power backup, eliminate reliance on diesel fuel, reduce operational maintenance, and enable integration with renewable energy sources⁴. They offer key benefits including rapid response times, high reliability with built-in redundancy, lower operational costs through peak shaving and load management, and significant reductions in carbon emissions. Additionally, BESS support grid stability and can participate in demand response programs, enhancing overall energy efficiency and cost savings.

However, BESS adoption faces challenges such as high upfront capital costs, space and scalability limitations⁵ especially for long-duration backup, complex integration with existing infrastructure, and ongoing safety and lifecycle management requirements. Long-duration outages still pose difficulties as large battery banks to cover extended events can be prohibitively expensive, making diesel generators a necessary complement in many cases. Regulatory hurdles and dependence on grid-sourced electricity for charging may also constrain the full environmental benefits of BESS.

Overall, while BESS deliver transformative advantages to align with BAT, their current limitations mean they are best implemented in hybrid strategies alongside diesel backup for comprehensive, resilient power solutions in large-scale data centres.

Alternative fuel types identified through the desktop review include natural gas, propane, gasoline, liquefied natural gas (LNG). These fuels may provide gas engines with higher thermal efficiencies when compared to use over diesel generators. However, it is important to note that gas engines may come with relatively higher levels of investment, operating and maintenance costs. Additionally, whilst the use of gas engines may have the potential for lower NO_x emissions compared to diesel engines, there would be a reliance on the national gas grid for an uninterruptable supply, which may not provide the Applicant with fuel security [S6].

Discharge Design

According to (UK Environment Agency, 2018), data centres can have short, below roof level emissions stacks, which can impact on the efficiency of dispersion of emissions. With reference to BATT, the following techniques are noted for the adequate dispersion of exhaust emissions:

1. Increased stack height
2. Vertical ports
3. Increased distances from buildings to be above roof line
4. 'Common windshield' combining several individual flues.

Stack Height

By raising the stack height, this can facilitate a higher level of dispersion of exhaust gases as they mix with the surrounding air beyond the stack plume. Although this does not decrease the pollutant concentration at

⁴ <https://www.delfos.energy/blog-posts/data-centers-battery-storage-ensuring-reliable-sustainable-power>

⁵ <https://www.pv-magazine-australia.com/2025/10/15/dealing-with-demands-of-power-hungry-data-centres/>

source, this does aid in reducing pollutant concentrations at ground level. Elevating the stack height serves to mitigate the impact of building wake and the entrainment of emissions in the locality of the emission source.

When wind interacts with buildings or structures, turbulent eddies form on the downwind side, potentially forcing a stack plume down to the ground if it's located within approximately five times the height of the nearby structure. This turbulence, known as building downwash, can lead to increased ground-level pollutant concentrations downstream of the building or structure.

Elevating the stack height above the highest point of the building in which it is located (or nearby buildings) will help mitigate building downwash effects and reduce air quality impacts beyond the Proposal site, where feasible [S7].

Discharge Velocity

Decreases in ground-level pollutant concentrations can be accomplished through improved mixing with the surrounding air once the exhaust gas plume terminates from the stack. A higher emission velocity generates increased momentum, increasing the height of the plume in the atmosphere beyond the stack exit point. This increased vertical mixing contributes to lower pollutant concentrations at surrounding receptors.

Any increase in discharge velocity should be considered alongside any improvements to the stack height to optimise plume dispersion conditions.

Increasing discharge velocities associated with the standby generators may be achieved by:

- Increasing the volumetric flow rate to from the discharge point;
- Decreasing the physical dimensions of the discharge point; and / or
- The addition of dilution air into the exhaust stream prior to discharge.

Exhaust stack restriction devices can regulate the corresponding exhaust flow through adjustment of the cross-sectional area of the stack at point of discharge [S8]

Enhanced discharge velocity may also be gained through the use of dilution fans (for example⁶). They operate by drawing in additional air below the point of discharge to increase volumetric flow and increasing discharge velocity. The effect of this is to significantly increase vertical momentum, which can increase the effective discharge height to conditions that are less affected by turbulent air flows over buildings and enhance dispersion.

They can be configured by multiple inlet manifold and variable speed drive fans to serve multiple discharge points, and as such may offer a practical solution for data centres that are designed with nested discharge points and have highly variable discharge flows.

⁶ https://www.criticalairflow.com/site/assets/files/1080/critical_airflow_tristactech.pdf

Such devices have been used on other developments in the Greater Sydney region to good effect [S9].

Discharge Temperature

High stack exhaust temperatures can increase both buoyancy and plume rise dispersion conditions. Plumes tend to rise more rapidly when the associated gases are warmer compared to the atmospheric temperature, which in turn contributes to a higher plume rise which can affect the dispersion pattern.

Combustion modification such as changes to the flame temperature and O₂ content of the air-fuel (stoichiometric) mixture aim to reduce NO_x pollution by ensuring that the fuel is burned completely or reducing the amount of nitrogen from the air that is burnt in the combustion process. Such approaches include lean burn, water injection, exhaust gas recirculation or low-NO_x boiler designs that reduce the flame temperature.

Secondary abatement technologies such as SCR operated within a narrow temperature range. Operating at lighter loads typically results in emissions at lower temperature, resulting in poorer performance of SCR aftertreatment [S10].

Multi-Stack Configuration

By physically bringing together the exhaust streams for multiple engines, it is possible to improve the mixing of flue gases with the surrounding air. This plume aggregation does not decrease the absolute quantities of pollutants being emitted however it can lead to enhanced plume dispersion which results in lower concentration at ground level.

A multi-flue stack configuration pertains to a chimney or exhaust system that contains several flues, where each generator can discharge independently through its own flue but is constrained within that stack. Multi-flue stacks are common in facilities with multiple combustion processes. Each flue may lead to a specific emission control system or stack gas treatment unit.

A combined flue stack configuration involves the use of a single exhaust stack system for the collective discharge of combustion byproducts from various power generation sources. This serves as the termination point with each flue feeding into the shared exhaust system [S11].

Air Pollution Control

Air pollution control (APC) encompasses a range of technologies and strategies aimed at eliminating or minimising the release of pollutants into the atmosphere. With regard to standby power generation from diesel combustion, the application of exhaust aftertreatment technologies is common.

Known air pollution control technologies that are available to reduce diesel combustion pollutant emissions include:

- **Diesel Oxidisation Catalyst (DOC)** – use of a catalyst to promote the oxidation of CO and hydrocarbons (HC) contained in the diesel exhaust gas to produce CO₂ and water as byproducts.
- **Diesel Particulate Filters (DPF)** – filters particulate matter (PM) from the exhaust gas and is 'burned off' through either active or passive filter regeneration.
- **Selective Catalytic Reduction (SCR)** – emissions control method that reduces NO_x emissions within exhaust gases by injecting a reducing agent which initiates a chemical reaction that converts NO_x into N₂, water, and small amounts of CO₂.
- **Non-selective Catalytic Reduction (NSCR)** – use of a catalyst reaction to simultaneously reduce NO_x, CO, and hydrocarbon (HC) to water, CO₂, and N₂.

A diesel oxidisation catalyst (DOC) is an aftertreatment component that is designed specifically for modern diesel engines to convert CO and HC and are commonly used alongside other emission control devices such as DPF and SCR systems. DOCs can achieve a higher level of performance with the use of low sulphur diesel. General information provided by the US EPA⁷ indicates that DOCs are typically effective at reducing emissions of particulate matter (PM) between 20 % to 40 %, HC emissions can be reduced between 40 % and 75 % and CO emissions between 10 % and 60 % [S12].

A Diesel Particulate Filter (DPF) serves as an APC device aimed at minimising particulate matter (PM) emissions linked to diesel engine exhaust. Positioned downstream of the engine, the DPF employs a filtration medium, typically a porous ceramic filter, to capture PM. Subsequently, the accumulated PM undergoes combustion at elevated temperatures to ensure effective removal. This technology can be combined with other emissions controls including SCR and DOC as DPF has a limited effect on other pollutants such as NO_x.

Passive regeneration takes place when the exhaust gas temperatures reach a level that initiates the combustion of collected PM within the DPF without the need for additional fuel, heat, or driver intervention. Conversely, Active regeneration may necessitate external sources of fuel or heat to elevate the DPF temperature to a point where the accumulated PM can be effectively combusted.

The associated control efficiencies for DPF technology, as verified by US EPA⁸ ranges between 85 % and 90 % for PM emissions [S13].

Selective catalytic reduction (SCR) control devices are considered to be one of the most effective abatement techniques for NO_x releases. SCRs induce a chemical reduction via a reducing agent and catalyst to convert NO_x to molecular nitrogen (N₂) and water in the presence of a catalyst. In mobile source applications, an aqueous urea solution is typically preferred as the reductant. The LCP BREF (Lecomte, et al., 2017) notes that, *"A higher NO_x reduction is achieved with the use of several layers of catalyst. The technique design can be*

⁷ <https://www.epa.gov/sites/default/files/2016-03/documents/420f10031.pdf>

⁸ <https://www.epa.gov/sites/default/files/2016-03/documents/420f10029.pdf>

modular; a special catalyst and / or preheating can be used to cope with low loads or with a wide flue-gas temperature window."

Conversion of NO_x occurs on the catalyst surface with an ideal temperature range of between 300 °C and 450 °C, and less effectively over a wider temperature range of 170 °C and 510 °C depending on the catalyst type and/or configuration employed.

SCR can typically reduce NO_x emissions between 75 % and 90 %, HC emissions by up to 80 %, and PM emissions between 20 % and 30 %⁹. SCR requires the engine and exhaust system to reach operating temperature to be effective, requiring special pre-heaters for NO_x reduction in standby generators, which may reflect a higher cost for implementation [S14].

Selective Non-Catalytic Reduction (SNCR) involves reducing NO_x to N₂ through the reaction with ammonia (NH₃) or urea (CH₄N₂O) at a temperature between 800 °C and 1 100 °C for optimal reaction. The LCP BREF (Lecomte, et al., 2017) provides a technical description for SNCR, whereby, *"Using ammonia as a reagent, the following chemical reactions take place more or less at the same time. At the lower temperature, both reactions are too slow; at the higher temperature, the unwanted by-reaction dominates with an increase in NO_x emissions."*

In contrast to SCR technology, a catalyst is not required, which lowers investment and maintenance costs, and less space is required to house the SNCR technology at the generator location. The LCP BREF (Lecomte, et al., 2017) notes that SNCR cannot be applied to gas engines or turbines due to the residence time and temperature window required for operation. SNCR processes can typically achieve a NO_x reduction level of between 30 % and 50 % (Lecomte, et al., 2017).

In NSCR technology, the engine exhaust flows through a catalyst bed where NO_x is converted to N₂. Simultaneously, VOCs and CO undergo oxidation, resulting in the formation of water and CO₂ under optimal conditions.

A technical progress report on reciprocating engine emissions control (Chapman, 2004) notes that, *"For an NSCR system to operate optimally (i.e., to minimize NO_x emissions), the inlet exhaust stream must have very low oxygen content, as well as proper concentrations of NO_x, hydrocarbons, and carbon monoxide. This requires initial engine adjustments, followed by careful monitoring of oxygen content in the exhaust."*

The catalyst demands exhaust with less than 0.5 % O₂ content. Although employing a fuel-rich mixture increases engine fuel consumption due to back pressure, it enables effective NO_x control, typically achieving levels between 90 % and 98 %¹⁰ [S15].

⁹ https://archive.epa.gov/international/air/web/pdf/default-file_dieselfact_0106.pdf

¹⁰ <https://www3.epa.gov/ttnecat1/dir1/fnoxdoc.pdf>

Various standby generator manufacturers have developed retrofit emission control device (RECD) systems¹¹ based on electrostatic precipitation (ESP) fundamentals for use with diesel generator sets. The RECD is installed after the standby generator exhaust and no modifications to the exhaust are required. However, the RECD would have additional spacing requirements which may be constrained at the Proposal site [S16].

Each air pollution control device identified in this section requires retrofitting to each standby generator (or each discharge point in the event of co-vented discharges), incurring associated costs. Retrofitting involves integrating or adding these devices to existing plant to enhance their emission control capabilities. The costs associated with this process include expenses for purchasing the control devices, installation, and potentially ongoing maintenance [S13-16].

Controls in the Pathway

Enhancing the dilution and dispersion of a pollutant plume during its journey from the source to the receptor will lower the concentration at the receptor, subsequently minimising exposure. For instance, extending the pathway, such as by emitting emissions from a tall stack, will generally, under constant conditions, increase both dilution and dispersion conditions.

Green Infrastructure

The integration of Green Infrastructure (GI) in the environment has the potential to reduce the effectiveness of the pathway from the emission source to the receptor. Introducing natural elements, like vegetation or green spaces, as contiguous barriers can disrupt the usual flow of pollutants, creating obstacles that impede the direct transmission of emissions. This interference promotes dispersion, dilution, and absorption of pollutants by greenery, which can aid in lowering the concentration of pollutants reaching the receptor.

Strategically placed Vegetative Environment Buffers (VEB) along the perimeter of industrial areas, abutting sensitive areas such as residential, child-care and educational facilities can aid in mitigation human exposure to air pollution.

According to recent research (Barwise & Kumar, 2020), the optimal configuration and plant composition of GI are unclear. Furthermore, the effectiveness of GI depends on factors such as the condition of the built environment, as well as the type, location, and configuration of GI (Kumar, et al., 2019) [P1].

Structural Barriers

Structural barriers such as sound walls or shelterbelts can influence the exposure pathway by obstructing the pollutant plume. These barriers can induce turbulence in the airflow, leading to enhanced dispersion and are used in industrial settings to reduce direct exposure to emissions at receptors. These methods may be more

¹¹ http://www.jnmachineries.com/cummins_retrofit_emission_control_device.php

feasible in comparison to GI which would also require additional considerations with regard to establishment and maintenance activities.

While the discharges are released at a height, the implementation of structural barriers may be limited to the immediate vicinity of the Proposal site due to the distance to sensitive land uses and the magnitude of the discharge and structural constraints due to the increased loads of such structures [P2].

Stack Height Optimisation

Increasing the stack height can influence the dispersion pattern of pollutants emitted from a stack. A taller stack emits the discharge at greater height and into atmospheric conditions which can enhance more effective dispersion.

Stack heights may be increased through retrofitting, noting that the increased height may have an effect of duct pressure which may affect performance of APC devices.

Often, planning restrictions may also impose limitations on stack heights to limit other environmental effects such as visual impact and design aesthetics [S4, P3].

Controls at Receptors

Air Filtration Systems

Air filtration systems reduce indoor pollutant levels in buildings by extracting contaminants from airflow and commonly feature filters like activated carbon and HEPA filters, which capture airborne pollutants, particularly particulates, effectively.

Research conducted by the Public Health Research & Practice¹² assessed the effectiveness of air filtration, particularly those utilising HEPA filtration, in residential settings, focusing on their potential to increase infiltration rates. The research focused on the quantification of HEPA filters in residential settings during smoke events and notes that:

"The percentage reduction of PM_{2.5} attributable to using the HEPA cleaner, which ranged between 30 % and 75 %. Other international studies suggest that HEPA cleaners can provide approximately 52 % – 67% reductions in PM...."

"The effectiveness of HEPA cleaners depends on several factors, including outdoor smoke concentrations, room size, housing characteristics and building ventilation"

Commercial and industrial buildings in the surrounding environment likely incorporate air handling units (AHU) within their respective building design whilst residential dwellings may also have some uses.

¹² <https://www.phrp.com.au/issues/online-early/residential-indoor-air-quality-and-hepa-cleaner-use/>

This control is by definition, only of value inside engineered airtight buildings and of limited value in non- airtight buildings (such as residential properties), and of no value in outdoor locations [R1].

Alerts and Alarms

Implementation of air quality monitoring networks and early warning systems can assist in safeguarding sensitive receptors in proximity to the Proposal site. These systems can detect pollutant levels in real-time and can issue timely alerts, which can alert the local community to any potential pollution episodes. Alarm and alert systems that could be potentially implemented include:

- Real-time air quality monitoring stations that detect elevated levels of pollutants.
- Automated warning systems that send alerts via SMS, email, or mobile apps to the local community when pollution levels exceed any impact assessment criterion or predetermined thresholds.
- Integration with weather forecasting data to anticipate changes in air quality due to meteorological conditions.
- Online platforms or dashboards providing up-to-date information on air quality advisories for the community.

Increased community engagement, through mediums such as public forums, community advisory boards and meetings can help educate the local community to understand the Proposal site's procedures for standby power generation and the potential implications on air quality. The associated costs of implementing real time air quality monitoring and automated warning systems may not be viable given the likelihood of the Proposal site suffering a catastrophic power outage.

If implemented, each standby generator will feature operational alarms to alert in case of faults and will adhere to maintenance schedules and compliance monitoring programs to ensure emission control equipment functions correctly and complies with regulations. Regular testing and monitoring of the standby generators would incur costs [R2].

Summary

The feasibility of implementing the identified control options in the SPR model have been evaluated by considering the following factors:

- Implementations cost;
- Regulatory requirements;
- Environmental impacts;
- Safety implications; and
- Compatibility with current processes.

This summary assesses the measures that may constrain the implementation of the control measures outlined above. Each measure is provided a risk rating (**low**, **medium**, or **high**) which identifies the constraints which

may result in the implementation of the measure not being practical at the Proposal site. Where any of the measures of practicability are rated as high, these measures are not considered further.

It is noted that for the assessment of implementation costs, this review has adopted a relative and qualitative approach as follows:

- **Low** = \$
- **Medium** = \$\$
- **High** = \$\$\$

Table J5 provides a summary of the additional controls that could be employed at the Proposal site to minimise and reduce air pollution impacts from the standby generator operations.

Table J5 Practicality of implementing control measures at the Proposal site

Control measure	Potential Constraints					Conclusion of evaluation
	Implementation costs	Regulatory requirements	Environmental impacts	Safety implications	System compatibility	
Source						
S1 generator specification	\$\$\$	Low	Low	Low	High	Selecting alternative generator sets would be a high-cost option and would be difficult to implement once the facility is operating.
S2 low NO _x burners	\$\$\$	Low	Low	Medium	Low	- Change in designed operational conditions (combustion stability, heat exchange) represents some safety issues that would require due consideration. - May offer additional air pollution control however would require extensive retrofitting to each standby generator.
S3 use of HVO as alternative to diesel fuel	\$\$	Low	Low	Low	Low	Provides emissions reductions due to the lower carbon intensity of a renewable fuel source, with each proposed standby generator approved for renewable fuel compatibility.
S4 hydrogen fuel cells (HFC)	\$\$\$	High	Medium	High	Medium	- High upfront capital costs for HFC and storage infrastructure; green H₂ fuel remains expensive currently. Dependent on source, green and pink H₂ offer near-zero emissions, while grey / blue H₂ emits some lifecycle carbon. - H₂'s flammability, high pressure storage, and risk profiles require rigorous safety systems and emergency preparedness. Requires significant electrical and mechanical system modification from diesel or conventional backup systems, including DC-AC conversion and storage integration.

Control measure	Potential Constraints					Conclusion of evaluation
	Implementation costs	Regulatory requirements	Environmental impacts	Safety implications	System compatibility	
S5 Battery Energy Storage System (BESS)	\$\$\$	Medium	Low	Medium	Medium	- High upfront capital costs (\$400-\$600 per kWh or more), plus installation and integration expenses. Evolving safety and permitting standards can delay deployment, but guidance and experience exist. - Generally positive, with zero local emissions and enabling renewables, though lifecycle impacts exist. Battery fire risk and thermal runaway require robust safety systems and maintenance. - Complex integration with existing power infrastructure and controls needed for seamless operation.
S6 other alternative fuels (LNG, natural gas, propane, gasoline)	\$\$	Low	Low	High	High	Compatibility, storage and handling capabilities and combustion characteristics. Standby generators utilise diesel fuel and would require significant modification, and/or re-specification.
S7 stack height	\$	Low	Low	Medium	Low	Compatibility with clearance requirements to negate building downwash effects, stability, and structural integrity considerations.
S8 increased stack velocities	\$	Low	Low	Medium	Low	Change in designed operational conditions which may then require structural integrity considerations to stack configuration.
S9 dilution fans	\$\$	Low	Low	Low	Medium	Higher capital cost but reduced operating cost due to inlet manifolds serving multiple discharges and variable drives. Retrofitting may require load considerations.

Control measure	Potential Constraints					Conclusion of evaluation
	Implementation costs	Regulatory requirements	Environmental impacts	Safety implications	System compatibility	
S10 stack temperature	\$\$	Low	Medium	Medium	Medium	Maintaining optimal stack temperature is critical to avoid wet stacking (incomplete combustion) which causes buildup of unburned fuel / carbon in the exhaust, affecting performance and emissions. Load management and periodic load banking are necessary to sustain temperature and ensure combustion efficiency.
S11 multi-stack configuration	\$\$	Low	Low	Medium	Medium	- Structural and maintenance considerations required from design perspective. - Additional works required to combine flues into a multi-stack configuration. - Separating exhaust into multiple stacks may aide in optimizes airflow, reducing backpressure, and enhancing generator performance.
S12 diesel oxidisation catalyst	\$\$	Low	Low	Medium	Low	Require additional design considerations and may offer additional air pollution control, requires retrofitting to each standby generator.
S13 diesel particulate filters	\$\$	Low	Low	Medium	Low	Require additional design considerations and may offer additional air pollution control, requires retrofitting to each standby generator.
S14 selective catalytic reduction	\$\$	Low	Low	Medium	Medium	Require additional design considerations and may offer additional air pollution control, requires retrofitting to each standby generator.
S15 non-selective catalytic reduction	\$\$	Low	Low	Medium	Medium	Require additional design considerations and may offer additional air pollution control, would require retrofitting to each standby generator.
S16 electrostatic precipitation	\$\$	Low	Low	Medium	Medium	Require additional design considerations and may offer additional air pollution control, would require retrofitting to each standby generator.

Control measure	Potential Constraints					Conclusion of evaluation
	Implementation costs	Regulatory requirements	Environmental impacts	Safety implications	System compatibility	
Pathway						
P1 green infrastructure	\$	Low	Low	Low	Medium	- Green infrastructure often supports compliance with local planning and environmental regulations, particularly for visual screening and noise abatement. - Positive benefits include improved local air quality through pollutant filtration, enhanced aesthetics, biodiversity support, and microclimate cooling reducing local heat impacts from exhaust stacks.
P2 structural barriers	\$\$	Medium	Low	Medium	Low	- Require compliance with building codes, planning policies. - Choice, design, and stability capabilities for type of barrier used. - Strategic use of barriers may provide airflow restriction from source to receptor.
P3 optimised stack height	\$\$	Low	Low	Medium	Low	Compatibility with clearance requirements to negate building downwash effects, stability, and structural integrity considerations.
Receptor						
R1 air filtration systems	\$\$	Low	Low	Low	Low	High-quality filtration systems such as HEPA or multi-stage filters involve upfront equipment and installation costs. Regular filter replacement and maintenance add to ongoing operating expenses.
R2 alerts and alarms	\$	Medium	Low	Medium	Low	Promotes timely maintenance and prevention of excessive emissions or malfunctions, indirectly supporting environmental compliance. Critical for early detection of hazardous conditions (e.g., exhaust temperature anomalies, fuel leaks), enabling prompt response to prevent accidents or equipment damage.

air quality | environment | sustainability

air quality	Northstar specialises in all aspects of air quality, dust, and odour management, covering monitoring, modelling and assessment, due diligence and process specification, licencing and regulatory advice, peer review and expert witness.
environment	Our team has extensive experience in environmental management, covering environmental policy and management plans, licencing, compliance reporting, auditing, data, and spatial analysis.
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