

MACHEnergy

Mount Pleasant Operation

A JOINT VENTURE WITH JCDA Japan Coal Development Australia

Appendix B

Air Quality Assessment

MOUNT PLEASANT OPTIMISATION PROJECT

AIR QUALITY IMPACT ASSESSMENT

MACH Energy Australia Pty Ltd

16 December 2020

Job Number 19060984

Prepared by

Todoroski Air Sciences Pty Ltd

Suite 2B, 14 Glen Street

Eastwood, NSW 2122

Phone: (02) 9874 2123

Fax: (02) 9874 2125

Email: info@airsciences.com.au

Mount Pleasant Optimisation Project

Air Quality Impact Assessment

DOCUMENT CONTROL

Report Version	Date	Prepared by	Reviewed by
DRAFT – 001	01/05/2020	P Henschke	-
FINAL – 001	16/12/2020	P Henschke	A Todoroski

This report has been prepared in accordance with the scope of works between Todoroski Air Sciences Pty Ltd (TAS) and the client. TAS relies on and presumes accurate the information (or lack thereof) made available to it to conduct the work. If this is not the case, the findings of the report may change. TAS has applied the usual care and diligence of the profession prevailing at the time of preparing this report and commensurate with the information available. No other warranty or guarantee is implied in regard to the content and findings of the report. The report has been prepared exclusively for the use of the client, for the stated purpose and must be read in full. No responsibility is accepted for the use of the report or part thereof in any other context or by any third party.

TABLE OF CONTENTS

1 INTRODUCTION 1
1.1 Overview of the Mount Pleasant Operation 1
1.2 Assessment Scope 1
1.3 Overview of the Project 4
2 LOCAL SETTING 5
3 AIR QUALITY ASSESSMENT CRITERIA 8
3.1 Development Consent limits 8
3.2 Environment Protection Licence conditions 8
3.3 NSW Environment Protection Authority impact assessment criteria 10
3.4 NSW Voluntary Land Acquisition and Mitigation Policy 10
4 STUDY REQUIREMENTS 12
4.1 Secretary's Environmental Assessment Requirements 12
4.2 NSW Environment Protection Authority 12
4.3 Muswellbrook Shire Council 13
5 EXISTING ENVIRONMENT 14
5.1 Local climate 14
5.2 Local meteorological conditions 15
5.3 Local air quality monitoring 17
5.3.1 PM_{10} and TSP monitoring 17
5.3.2 $PM_{2.5}$ monitoring 24
5.3.3 Dust deposition monitoring 26
5.3.4 Nitrogen dioxide monitoring 27
6 DISPERSION MODELLING APPROACH 29
6.1 Meteorological modelling 29
6.2 Meteorological modelling evaluation 30
6.3 Dispersion modelling 34
6.4 Modelling scenarios 34
6.4.1 Emission estimation 40
6.4.2 Emissions from other mining operations 43
6.4.3 Emissions from construction activities 44
6.5 Dust mitigation and management 44
6.6 Accounting for background dust levels 46
7 DISPERSION MODELLING RESULTS 49
7.1 Summary of modelling results 49
7.1.1 Cumulative annual average impacts 49
7.1.2 Project-only 24-hour average impacts 50
7.1.3 Other assessed receptors 51
7.1.4 Consideration of background $PM_{2.5}$ level for Muswellbrook receivers 52
7.2 Assessment of 24-hour average $PM_{2.5}$ and PM_{10} concentrations 53
7.2.1 Impacts without implementation of predictive/ reactive measures. 54
7.2.2 Impacts with adoption of predictive/ reactive measures 56

7.3 Dust impacts on more than 25 per cent of privately-owned land 60
8 ASSESSMENT OF TRAIN DUST IMPACTS 62
8.1 Introduction 62
8.2 Previous assessment of impacts 62
9 ASSESSMENT OF BLAST FUME EMISSIONS 64
9.1 Approach to assessment 64
9.1.1 Emission estimation 64
9.1.2 Dispersion modelling 64
9.2 Modelling predictions 64
9.3 Discussion 65
10 SUMMARY AND CONCLUSIONS 66
11 REFERENCES 68

LIST OF APPENDICES

Appendix A – Receiver Locations
Appendix B – Selection of Modelling Year
Appendix C – Emission Calculation
Appendix D – Modelling Predictions
Appendix E – Isopleth Diagrams
Appendix F – Further Detail Regarding 24-hour $PM_{2.5}$ Analysis
Appendix G – Further Detail Regarding 24-hour PM_{10} Analysis
Appendix H – Isopleth Diagrams – Blast Emissions

LIST OF TABLES

Table 3-1: Summary of applicable air quality criteria 8
Table 3-2: NSW EPA air quality impact assessment criteria 10
Table 3-3: Particulate matter mitigation criteria 11
Table 3-4: Particulate matter acquisition criteria 11
Table 4-1: Secretary's Environmental Assessment Requirements (SSD-10418) 12
Table 4-2: NSW EPA SEARs input 12
Table 4-3: MSC input to the SEARs for air quality 13
Table 5-1: Monthly climate statistics summary – Scone Airport AWS 14
Table 5-2: Summary of ambient PM_{10} levels from UHAQMN (µg/m^3) 18
Table 5-3: Summary of annual average PM_{10} levels from surrounding mining operations (µg/m^3) 23
Table 5-4: Summary of annual average TSP levels from surrounding mining operations (µg/m^3) 24
Table 5-5: Summary of ambient $PM_{2.5}$ levels from UHAQMN Muswellbrook (µg/m^3) 24
Table 5-6: Summary of ambient $PM_{2.5}$ levels from Mount Pleasant Operation monitoring (µg/m^3) 25
Table 5-7: Summary of dust deposition levels (g/m^2/month) 27
Table 6-1: Surface observation stations 29
Table 6-2: Seven critical parameters used in CALMET 29
Table 6-3: Estimated emission for the Project (kg of TSP) 41
Table 6-4: Estimated emissions from nearby mining operations (kg of TSP) 43
Table 6-5: Extent of approved/ proposed mining period for nearby mining operations 43
Table 6-6: Dust mitigation measures applied at the Mount Pleasant Operation 45
Table 6-7: Estimated contribution from other non-modelled dust sources 48
Table 7-1: Summary of modelling results where residential receptors are predicted to exceed criteria (µg/m^3) 49
Table 7-2: Summary of modelling results where maximum 24-hour average PM_{10} predictions exceed criteria at residential receptors – Scenario 3 50
Table 7-3: Summary of modelling results where maximum 24-hour average PM_{10} predictions exceed criteria at residential receptors – Scenario 4 50
Table 7-4: Summary of modelling results where maximum 24-hour average PM_{10} predictions exceed criteria at residential receptors – Scenario 5 51
Table 7-5: Summary of modelling results where maximum 24-hour average PM_{10} predictions exceed criteria at residential receptors – Scenario 6 51
Table 7-6: Summary of modelling results for selected heritage properties receptors predicted to exceed criteria (µg/m^3) 52
Table 7-7: Annual average $PM_{2.5}$ modelling predictions for selected Muswellbrook receivers 53
Table 7-8: NSW EPA contemporaneous assessment - maximum number of additional days in a year above 24-hour average criterion depending on background level at monitoring sites 55
Table 7-9: Number of additional days in a year above 24-hour average criterion on background level at monitoring sites with implementation of reactive measures 56

LIST OF FIGURES

Figure 1-1: Project Location 2
Figure 1-2: Project General Arrangement 3
Figure 2-1: Local setting for the Project and assessed receiver locations 6
Figure 2-2: Topography surrounding the Project 7
Figure 5-1: Monthly climate statistics summary – Scone Airport AWS 15
Figure 5-2: Annual windroses for 2015 16
Figure 5-3: Ambient PM_{10} and TSP monitoring locations 17
Figure 5-4: 24-hour average PM_{10} concentrations at UHAQMN monitoring stations 19
Figure 5-5: Annual average PM_{10} concentrations at UHAQMN monitoring stations 20
Figure 5-6: Estimated contribution of sources to annual average PM_{10} levels 21
Figure 5-7: Diurnal levels at Muswellbrook monitor (2015) 22
Figure 5-8: 24-hour average $PM_{2.5}$ concentrations from UHAQMN Muswellbrook monitoring station 25
Figure 5-9: 24-hour average $PM_{2.5}$ concentrations from Mount Pleasant Operation monitoring stations 26
Figure 5-10: Dust deposition monitoring locations 26
Figure 5-11: Daily 1-hour maximum NO_2 concentrations from UHAQMN Muswellbrook monitoring station 28
Figure 6-1: Example of the wind field for one of the 8,760 hours of the year that are modelled 30
Figure 6-2: Windroses from CALMET extract Cell ref 6463 (2015) 32
Figure 6-3: Meteorological analysis of CALMET extract Cell ref 6463 (2015) 33
Figure 6-4: Indicative mine plan for Scenario 1 35
Figure 6-5: Indicative mine plan for Scenario 2 36
Figure 6-6: Indicative mine plan for Scenario 3 37
Figure 6-7: Indicative mine plan for Scenario 4 38
Figure 6-8: Indicative mine plan for Scenario 5 39
Figure 6-9: Indicative mine plan for Scenario 6 40
Figure 6-10: Spatially varying background level (due to non-modelled sources) for PM_{10} 47
Figure 7-1: Locations available for contemporaneous cumulative impact assessment 54
Figure 7-2: Predicted 24-hour average PM_{10} and $PM_{2.5}$ concentrations for receptor location 147 during Scenario 3 (without predictive/reactive mitigation) 58
Figure 7-3: Predicted 24-hour average PM_{10} and $PM_{2.5}$ concentrations for receptor location 147 during Scenario 3 (with predictive/reactive mitigation) 59
Figure 7-4: Predicted 6th highest 24-hour average PM_{10} level for all scenarios 61
Figure 8-1: Maximum predicted 24-hour average TSP concentration based on train wagon emissions 63

1 INTRODUCTION

Todoroski Air Sciences has prepared this report for MACH Energy Australia Pty Ltd (MACH Energy). It provides an assessment of the potential air quality impacts associated with a proposed Mount Pleasant Optimisation Project (the Project).

1.1 Overview of the Mount Pleasant Operation

The Mount Pleasant Operation Development Consent DA 92/97 was granted on 22 December 1999. The Mount Pleasant Operation was also approved under the *Environment Protection and Biodiversity Conservation Act, 1999* (EPBC Act) in 2012 (EPBC 2011/5795).

MACH Energy acquired the Mount Pleasant Operation from Coal and Allied Operations Pty Ltd on 4 August 2016. MACH Energy commenced construction activities at the Mount Pleasant Operation in November 2016 and commenced mining operations in October 2017, in accordance with Development Consent DA 92/97 and EPBC 2011/5795.

MACH Mount Pleasant Operations Pty Ltd manages the Mount Pleasant Operation as agent for and on behalf of the unincorporated Mount Pleasant Joint Venture between MACH Energy (95% owner) and J.C.D. Australia Pty Ltd (5% owner)[1].

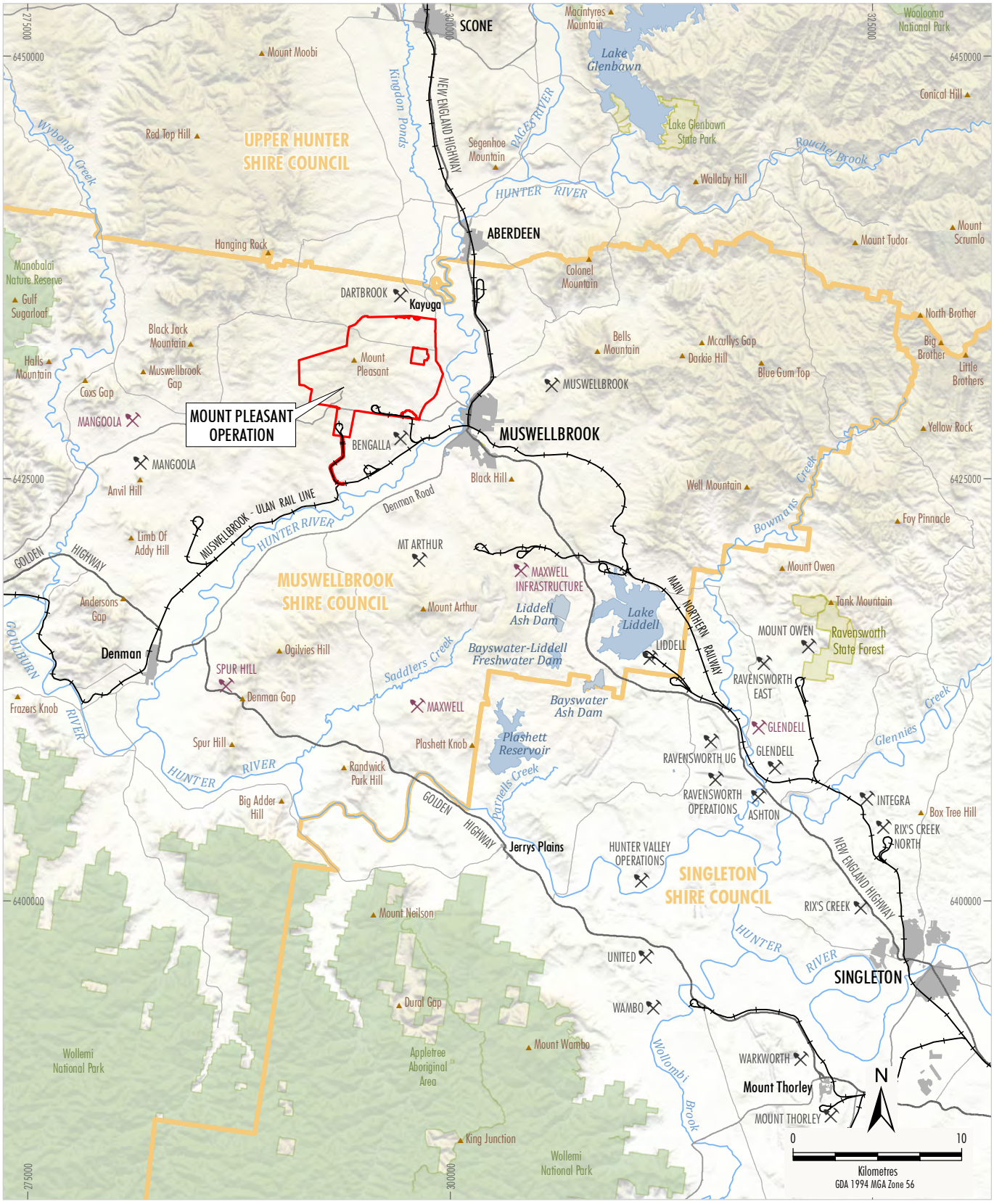
The approved Mount Pleasant Operation includes the construction and operation of an open cut coal mine and associated rail spur and product coal loading infrastructure located approximately three kilometres (km) north-west of Muswellbrook in the Upper Hunter Valley of New South Wales (NSW) (**Figure 1-1** and **Figure 1-2**).

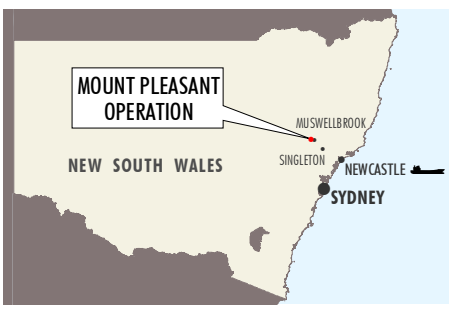
The mine is approved to produce up to 10.5 million tonnes per annum (Mtpa) of run-of-mine (ROM) coal. Up to approximately nine trains per day of thermal coal products from the Mount Pleasant Operation are transported by rail to the Port of Newcastle for export, or to domestic customers for use in electricity generation.

1.2 Assessment Scope

This report focuses on the potential air quality impacts of the Project, in consideration of the Secretary's Environmental Assessment Requirements (SEARs) for the Project (**Section 4**). Assessment of the potential greenhouse gas emissions of the Project has also been conducted and is included in a separate report.

[1] Throughout this report, MACH Mount Pleasant Operations Pty Ltd and the unincorporated Mount Pleasant Joint Venture will be referred to as MACH.





LEGEND

- Mining Operation
- Proposed Mining Operation (Application Lodged)
- Railway
- Local Government Boundary
- State Forest/Reserve
- National Parks and Wildlife Estate
- Mining Lease Boundary (Mount Pleasant Operation)

Source: NSW Spatial Services (2020)

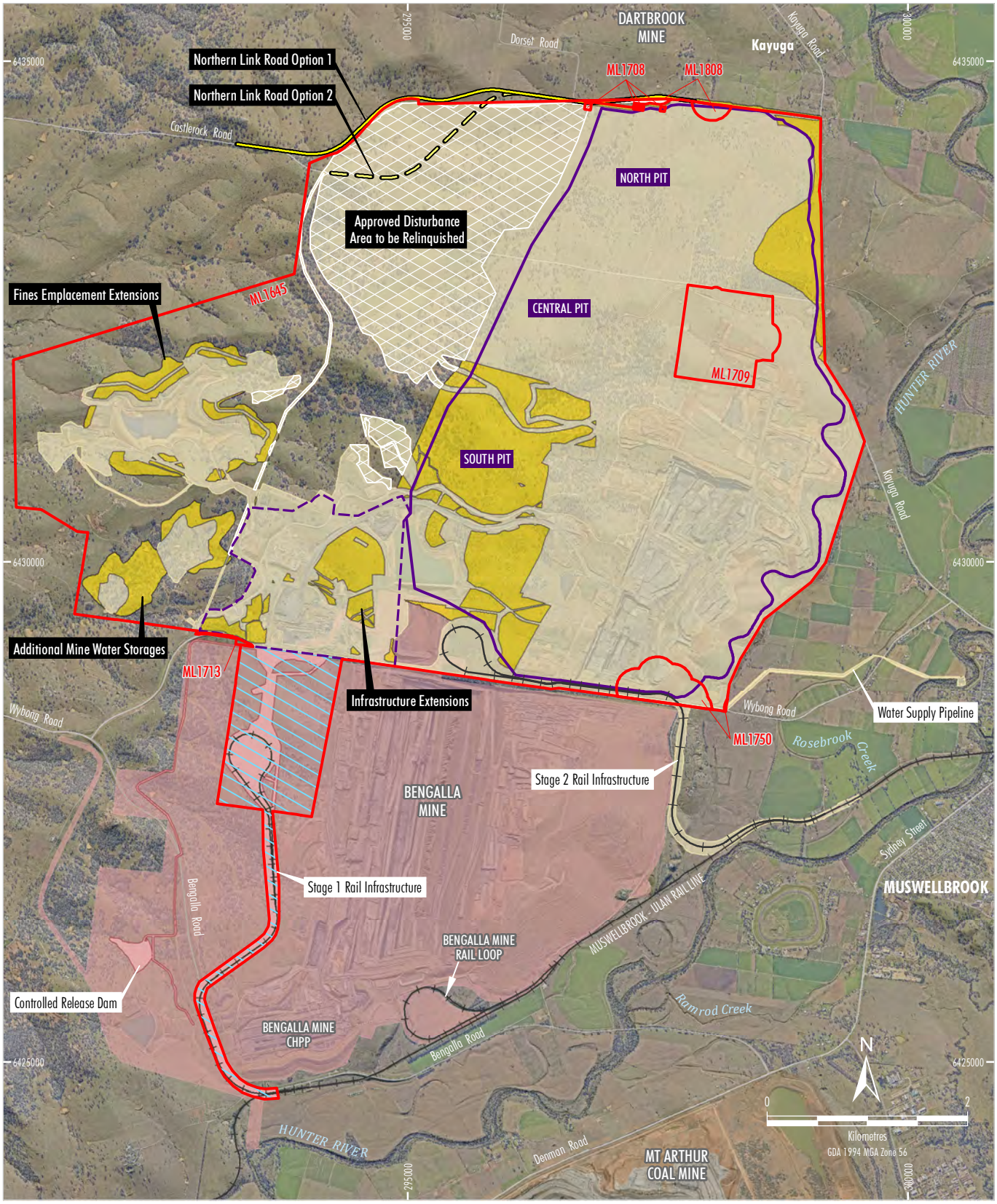
MACHEnergy

MOUNT PLEASANT OPTIMISATION PROJECT

Project Location

Figure 1-1

MAC-18-02 SSD_EIS_App Figure 1_Rev E



MAC-18-02 SSD_EIS_App Figure 2_Rev M

LEGEND

Existing Mine Elements

- Mining Lease Boundary (Mount Pleasant Operation)
- Approximate Extent of Existing/Approved Surface Development (DA92/97) [1]
- Infrastructure to be removed under the Terms of Condition 37, Schedule 3 (DA92/97)
- Bengalla Mine Approved Disturbance Boundary (SSD-5170)
- Existing/Approved Mount Pleasant Operation Infrastructure within Bengalla Mine Approved Disturbance Boundary (SSD-5170) [1]

Additional/Revised Project Elements

- Approved Disturbance Area to be Relinquished [2]
- Approximate Additional Disturbance of Project Extensions [1]
- Northern Link Road Option 1 Centreline [3]
- Northern Link Road Option 2 Centreline
- Approximate Extent of Project Open Cut and Waste Rock Emplacement Landforms
- Revised Infrastructure Area Envelope

NOTES

1. Excludes some incidental Project components such as water management infrastructure, access tracks, topsoil stockpiles, power supply, temporary offices, other ancillary works and construction disturbance.
2. Subject to detailed design of Northern Link Road alignment.
3. Preferred alignment subject to landholder access.

Source: MACH (2020); NSW Spatial Services (2020); Department of Planning and Environment (2016)
Orthophoto: MACH (2020)

MACHEnergy

MOUNT PLEASANT OPTIMISATION PROJECT

Project General Arrangement

Figure 1-2

1.3 Overview of the Project

The Project would include the following development:

- increased open cut coal extraction within Mount Pleasant Operation Mining Leases by mining of additional coal reserves, including lower coal seams in North Pit;
- staged increase in extraction, handling and processing of ROM coal up to 21 Mtpa (i.e. progressive increase in ROM coal mining rate from 10.5 Mtpa over the Project life);
- staged upgrades to the existing Coal Handling and Preparation Plant (CHPP) and coal handling infrastructure to facilitate the handling and processing of additional coal;
- rail transport of up to approximately 17 Mtpa of product coal to domestic and export customers;
- upgrades to workshops, electricity distribution and other ancillary infrastructure;
- existing infrastructure relocations to facilitate mining extensions (e.g. local roads, powerlines and water pipelines);
- construction and operation of new water management and water storage infrastructure in support of the mine;
- additional reject dewatering facilities to allow co-disposal of fine rejects with waste rock as part of ROM waste rock operations;
- development of an integrated waste rock emplacement landform that incorporates geomorphic drainage design principles for hydrological stability, and varying topographic relief to be more natural in exterior appearance;
- construction and operation of new ancillary infrastructure in support of mining;
- extension to the time limit on mining operations to 22 December 2048;
- an average operational workforce of approximately 600 people, with a peak of approximately 830 people;
- ongoing exploration activities; and
- other associated infrastructure, plant, equipment and activities.

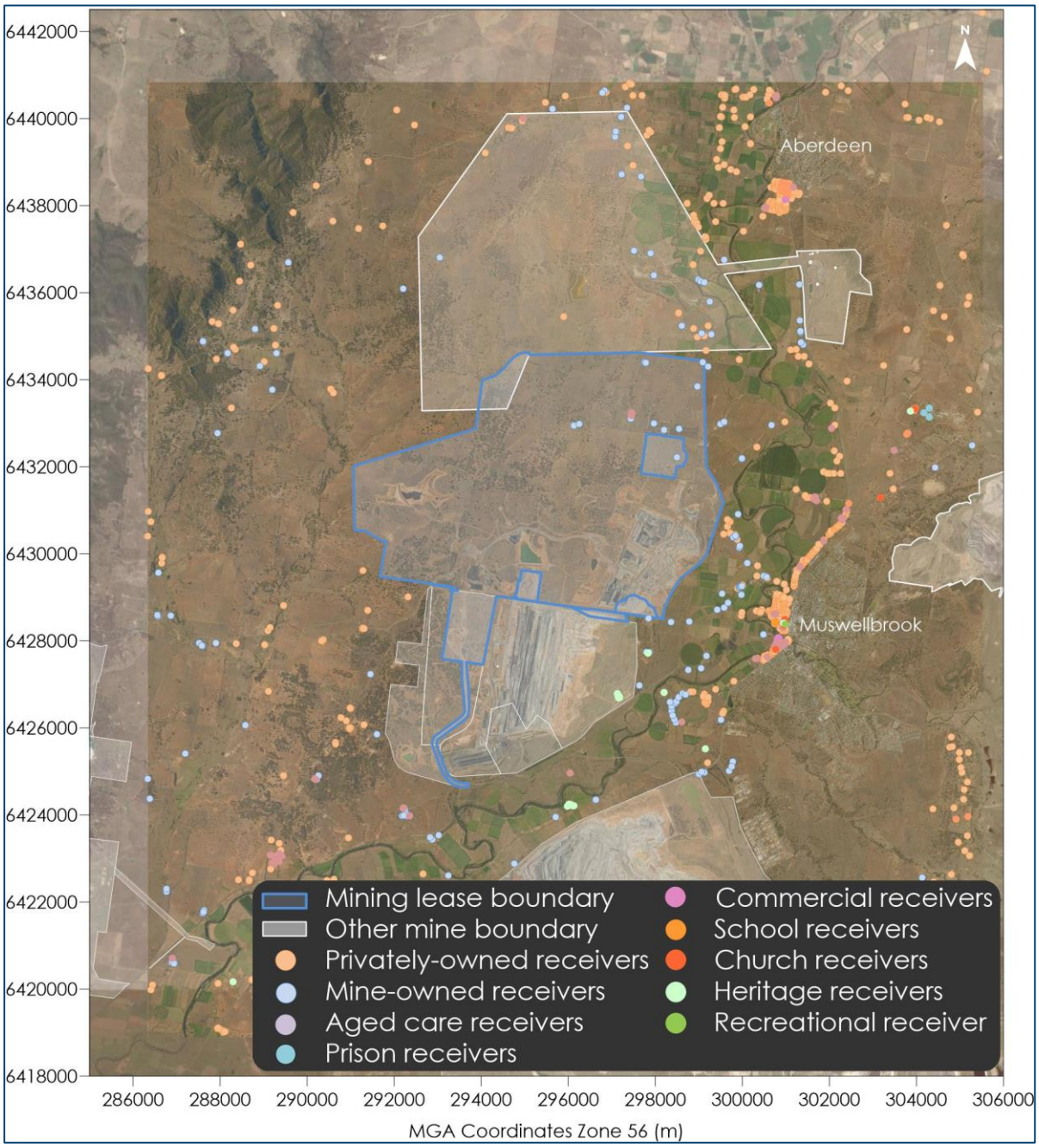
2 LOCAL SETTING

The general area surrounding the Project is comprised of various open cut coal mining operations, agricultural land, rural residential areas and the township of Muswellbrook to the south-east and the village of Aberdeen to the north-east.

Figure 2-1 presents the location of the Project in relation to the neighbouring coal mining operations and the identified receivers of relevance to this study.

To determine the receivers of relevance to the study, a comprehensive receiver identification and verification study was completed in early 2020 by a Muswellbrook-based surveying company. LiDAR data was used to identify all structures in an area of approximately 440 square kilometres around the Mount Pleasant Operation. For practical reasons, only the western outskirts of the township of Muswellbrook and the southern outskirts of the village of Aberdeen were included in the search area. Over 4,400 structures were identified and characterised (e.g. as a dwelling, commercial building, etc.) using remote sensing, aerial imagery and ground survey. Given the large number of structures identified, only those structures considered sensitive to potential air quality impacts have been explicitly modelled. Some of the more remote receivers identified to the north, as well as MACH-owned receivers within the Mount Pleasant Operation Mining Leases, were not modelled for practical reasons. In total, 980 receivers have been modelled, including the majority of identified privately-owned dwellings, mine-owned dwellings, Council/State-owned dwellings, aged care facilities, commercial accommodation, other commercial buildings, schools, churches and heritage structures. Due to the large number of structures identified at the St Heliers Correctional Centre, a selection of the identified structures was also modelled to represent the prison facilities. **Appendix A** provides a detailed list of all the receivers considered in this assessment and figures showing the locations and identification numbers of key receivers (privately-owned and mine-owned dwellings).

Figure 2-2 presents a three-dimensional visualisation of the topography in the vicinity of the Project. The surrounding topography is characterised by the mountainous region of the Barrington Tops to the east and the open Hunter Valley region to the south-east. To the east, the Hunter River and associated floodplain separates the Project from Muswellbrook. Steep escarpments and defined valleys are characteristic features of the topography to the west and south. The terrain features of the surrounding area have a significant effect on the local wind distribution patterns and flows, as discussed further in **Section 5**.



Note: m = metres

Figure 2-1: Local setting for the Project and assessed receiver locations

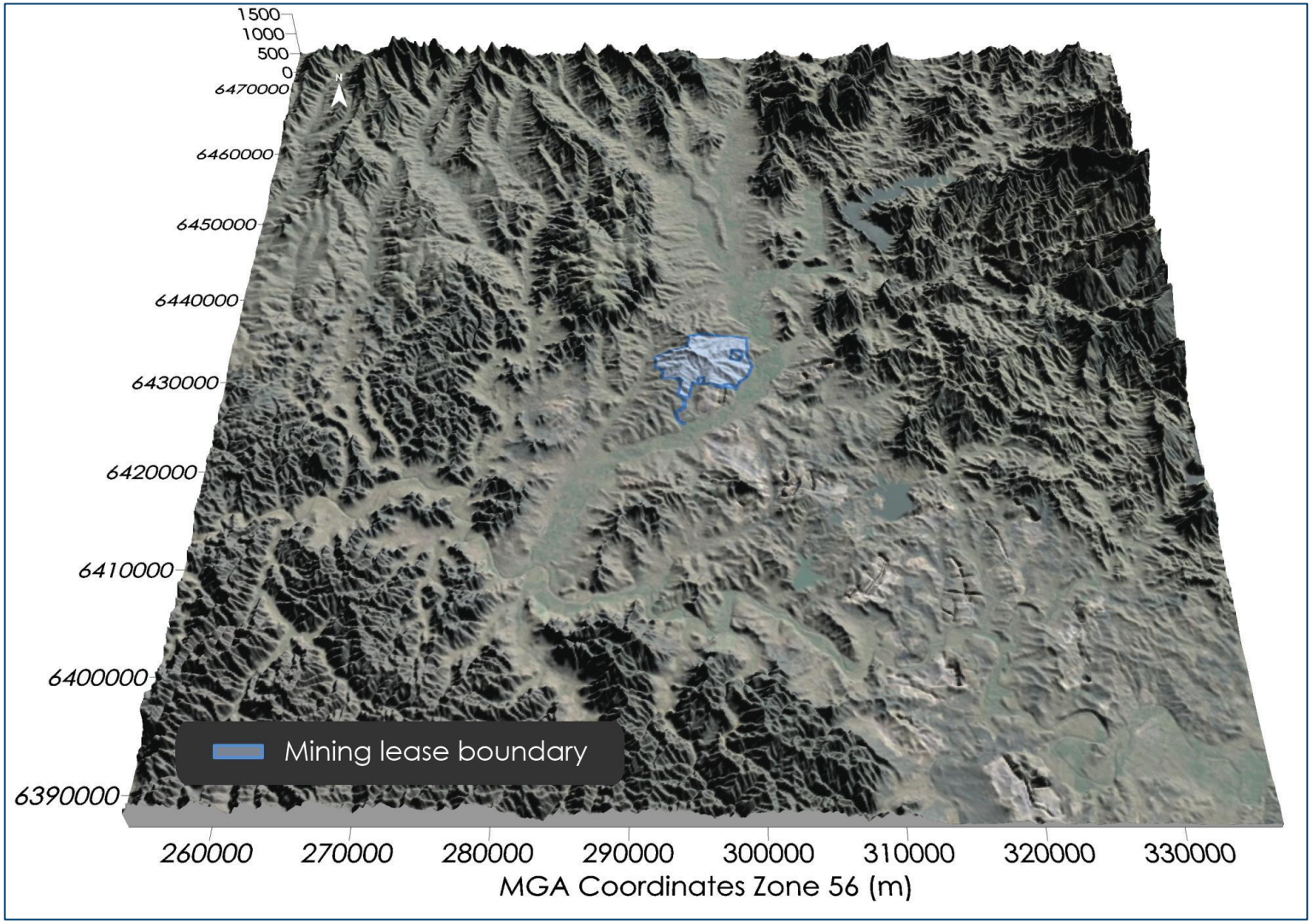


Figure 2-2: Topography surrounding the Project

3 AIR QUALITY ASSESSMENT CRITERIA

Air quality criteria are benchmarks set to protect the general health and amenity of the community in relation to air quality. The sections below identify the applicable air quality criteria for the Mount Pleasant Operation and the Project.

3.1 Development Consent limits

A summary of the applicable air quality criteria for the Mount Pleasant Operation as outlined in Development Consent DA 92/97 is presented in **Table 3-1**.

The Mount Pleasant Operation must ensure that all reasonable and feasible avoidance and mitigation measures are employed so that particulate matter emissions generated by the development do not exceed the criteria in **Table 3-1** at any residence on privately-owned land (except for those residences with rights to acquisition upon request).

Table 3-1: Summary of applicable air quality criteria

Pollutant	Averaging period	[d] Criterion
Total suspended particulates (TSP)	Annual	[a] 90µg/m³
Particulate matter ≤10µm (PM_{10})	Annual	[a] 25µg/m³
	24-hour	[b] 50µg/m³
Particulate matter ≤2.5µm ($PM_{2.5}$)	Annual	[a] 8µg/m³
	24-hour	[b] 25µg/m³
[c] Deposited dust	Annual	[b] 2g/m²/month
		[a] 4g/m²/month

Notes:

a. *Total impact (i.e incremental increase in concentrations due to the development plus background concentrations due to all other sources);*

b. *Incremental impact (i.e. incremental increase in concentrations due to the development on its own);*

c. *Deposited dust is to be assessed as insoluble solids as defined by Standards Australia, AS/NZS 3580.10.1:2003 Methods for Sampling and Analysis of Ambient Air – Determination of Particulate Matter – Deposited Matter – Gravimetric Method; and*

d. *Excludes extraordinary events such as bushfires, prescribed burning, dust storms, sea fog, fire incidents or any other activity agreed by the Secretary.*

µg/m³ = micrograms per cubic metre, µm = micrometres and g/m²/month = grams per square metre per month.

3.2 Environment Protection Licence conditions

Air quality criteria and other air quality related conditions stipulated in Environment Protection Licence (EPL) 20850 for the Mount Pleasant Operation are generally consistent with those prescribed in Development Consent DA 92/97, apart from Conditions O3.4 to O3.9, which state:

O3 Dust

O3.4 The licensee must cease all dust generating activities during adverse conditions being the occurrence of both the adverse wind conditions set out in Condition O3.5 (b) and the adverse PM_{10} concentrations set out in Condition O3.5(c).

O3.5 For the purpose of Condition O3.4 the following definitions apply.

(a) 'dust generating activities' means drilling, blasting, earthworks, construction activities, all hauling activities on unsealed haul roads, all overburden and coal extraction operations including loading and dumping activities and grader, loader, dozer and dragline operations.

(b) *'adverse wind conditions' means a rolling 1-hour average wind direction between 250 degrees and 340 degrees (inclusive) measured at the Muswellbrook NW Upper Hunter Air Quality Monitoring Network monitor. Australian Standard AS3580.14-2014 is to be used to calculate the rolling 1 hour average wind direction.*

(c) *'adverse PM_{10} concentrations' means a rolling 24-hour average PM_{10} concentration of equal to or greater than 44 micrograms per cubic metre measured at the Muswellbrook NW Upper Hunter Air Quality Monitoring Network monitoring station.*

(d) *Operation of watercarts is permitted at all times.*

(e) *Activities within the Coal Handling and Preparation Plant and Materials Handling Area, including run-of-mine (ROM) coal, product coal handling (including dozer/loader operations) and train loading operations as identified in blue on plan titled 'Mt Pleasant Coal Mine Materials Handling Area Dust Exclusion Zone General Arrangement' drawing number MP001-000-GEN-DRG-0026 (EPA ref Doc19/282883) are not included as dust generating activities provided all automated dust suppression spray systems at the ROM hopper, conveyor transfer points and product stockpiles are in use, at least one water cart is in use on the ROM stockpile and an adjustable hood is lowered onto rail wagons loadings.*

O3.6 Shutdown of dust generating activities required by Condition O3.4 must be completed within 1 hour of receiving data that triggers action required by Condition O3.4.

O3.7 The licensee may resume dust generating activities at the premises when:

(a) *adverse wind conditions as defined in Condition O3.5(b); or*

(b) *adverse PM_{10} concentrations as defined in Condition O3.5(c)*

are not measured for a minimum time period of 1 hour from the time that cessation of dust generation activities is completed.

O3.8 At any time when there is no access to the meteorological data or PM_{10} data from the Muswellbrook NW Upper Hunter Air Quality Monitoring Network monitoring station, definitions of 'adverse wind conditions' and 'adverse PM_{10} concentrations' in condition O3.5 are replaced with:

- *'adverse wind conditions' means a rolling 1-hour average wind direction between 245 and 345 degrees (inclusive) measured at Monitoring Point No. 11, identified in condition P1.3.*
- *'adverse PM_{10} concentrations' means a 24-hour average PM_{10} concentration of equal to or greater than 44 micrograms per cubic metre measured at the Monitoring Point No. 1, identified in condition P1.3.*

Note: If at any time, there is no access to the Muswellbrook NW Upper Hunter Air Quality Monitoring Network monitoring station and to either 1-hour average wind direction data from monitoring point 11 or PM_{10} data from monitoring point 1 the licensee must cease dust generating activities at the premises.

O3.9 For the purpose of condition O3.5 (e), dust suppression systems must be operated in a manner to ensure that there is no visible dust emissions emitted from the premises.

3.3 NSW Environment Protection Authority impact assessment criteria

The NSW Environment Protection Authority (NSW EPA) document *Approved Methods for the Modelling and Assessment of Air Pollutants in New South Wales* (**NSW EPA, 2017**) includes criteria for a range of pollutants that may be emitted from a development or facility.

The key emissions generated by mining operations are particulate matter/dust. While the combustion of fuels in mining equipment releases combustion products such as carbon monoxide (CO), sulfur dioxide (SO_2) and nitrogen oxides (NO_x), the emissions are typically of such a low magnitude, and spread over such a large spatial extent, that the ground-level concentrations are very low.

The *Mount Pleasant Operation Mine Optimisation Modification Air Quality and Greenhouse Gas Assessment* (**Todoroski Air Sciences, 2017**) included a comprehensive assessment of the potential impacts of diesel emissions from the Mount Pleasant Operation. The analysis indicated that for all receivers assessed, the likelihood of exceedances of the relevant criteria for combustion products was very low. Even with the Project increasing the number of equipment and amount of fuel combusted relative to the approved operations, this change would not be significant enough to result in any impacts. As such, assessment of diesel combustion is not considered warranted for the Project for pollutants other than particulate matter.

Notwithstanding, nitrogen dioxide (NO_2) may also be emitted from some blasts (i.e. blast fumes) under certain conditions. Therefore, this assessment has also considered the potential impacts of such blasts.

Table 3-2 summarises the air quality goals that are relevant to this assessment as outlined in the NSW EPA document *Approved Methods for the Modelling and Assessment of Air Pollutants in New South Wales* (**NSW EPA, 2017**).

The air quality goals for total impact relate to the total dust burden in the air and not just the dust from the Project. Consideration of background dust levels needs to be made when using these goals to assess potential impacts.

Table 3-2: NSW EPA air quality impact assessment criteria

Pollutant	Averaging period	Impact	Criterion
TSP	Annual	Total	90µg/m³
PM_{10}	Annual	Total	25µg/m³
	24 hour	Total	50µg/m³
$PM_{2.5}$	Annual	Total	8µg/m³
	24 hour	Total	25µg/m³
Deposited dust	Annual	Incremental	2g/m²/month
		Total	4g/m²/month
NO_2	1 hour	Total	246µg/m³

Source: NSW EPA, 2017

3.4 NSW Voluntary Land Acquisition and Mitigation Policy

Part of the NSW Voluntary Land Acquisition and Mitigation Policy (VLAMP) dated September 2018 describes the NSW Government's policy for voluntary mitigation and land acquisition to address particulate matter impacts from state significant mining, petroleum and extractive industry developments.

Voluntary mitigation rights may apply per the VLAMP where, even with best practice management, the development contributes to exceedances of the criteria in **Table 3-3** at any residence on privately owned land or workplace on privately owned land. [2]

Table 3-3: Particulate matter mitigation criteria

Pollutant	Averaging period	Mitigation criterion		Impact type
$PM_{2.5}$	Annual	8µg/m³*		Human health
$PM_{2.5}$	24 hour	25µg/m³**		Human health
PM_{10}	Annual	25µg/m³*		Human health
PM_{10}	24 hour	50µg/m³**		Human health
TSP	Annual	90µg/m³*		Amenity
Deposited dust	Annual	2g/m²/month**	4g/m²/month*	Amenity

Source: NSW Government (2018)

*Cumulative impact (i.e. increase in concentration due to the development plus background concentrations due to all other sources).

**Incremental impact (i.e. increase in concentrations due to the development alone), with zero allowable exceedances of the criteria over the life of the development.

Voluntary acquisition rights may apply per the VLAMP where, even with best practice management, the development contributes to exceedances of the criteria in **Table 3-4** at any residence on privately owned land, workplace on privately owned land or on more than 25 per cent (%) of any privately owned land where there is an existing dwelling or where a dwelling could be built under existing planning controls (vacant land).

Table 3-4: Particulate matter acquisition criteria

Pollutant	Averaging period	Acquisition criterion		Impact type
$PM_{2.5}$	Annual	8µg/m³*		Human health
$PM_{2.5}$	24 hour	25µg/m³**		Human health
PM_{10}	Annual	25µg/m³*		Human health
PM_{10}	24-hour	50µg/m³**		Human health
TSP	Annual	90µg/m³*		Amenity
Deposited dust	Annual	2g/m²/month**	4g/m²/month*	Amenity

Source: NSW Government (2018)

*Cumulative impact (i.e. increase in concentration due to the development plus background concentrations due to all other sources).

**Incremental impact (i.e. increase in concentrations due to the development alone), with up to five allowable exceedances of the criteria over the life of the development.

[2] Where any exceedance would be unreasonably detrimental to workers' health or carrying out of the business at that workplace.

4 STUDY REQUIREMENTS

The purpose of this report is to provide an assessment of the likely Project-related effects on air quality over the life of the Project. The assessment presented in this report addresses planning and regulatory agency requirements and input, as set out below.

4.1 Secretary's Environmental Assessment Requirements

In preparing this Air Quality Impact Assessment, the SEARs, which were issued for the Project (SSD-10418) on 17 February 2020, have been addressed and the key matters raised for consideration in the Air Quality Impact Assessment are outlined in **Table 4-1** along with a reference to where the requirements are addressed in the report.

Table 4-1: Secretary's Environmental Assessment Requirements (SSD-10418)

Specific issue	General requirements	Section
Air quality – including:	A detailed assessment of potential construction and operational air quality impacts, in accordance with the *Approved Methods and Guidance for the Modelling and Assessment of Air Pollutants in NSW,* and with a particular focus on dust emissions including $PM_{2.5}$ and PM_{10}, and having regard to the *Voluntary Land Acquisition and Mitigation Policy*; and	This report
	An assessment of the likely greenhouse gas impacts of the development.	Refer to separate report

4.2 NSW Environment Protection Authority

This Air Quality Impact Assessment has been prepared in consideration of the input to the SEARs provided by the NSW EPA, summarised in **Table 4-2**.

Table 4-2: NSW EPA SEARs input

Specific issue	Input	Section
The environmental issues - Air	Identify the existing air quality environment and identify applicable air quality goals (i.e. ground level concentrations for pollutants and odour assessment criteria) in line with relevant guidance/ standards; and,	3 & 5
	Identify potential air quality and odour sources and impacts (including point source emissions from any site-based plant and equipment and/or fugitive dust or other emissions) during both construction and operational stages and identify best practice mitigation measures (pollution control) and strategies to minimise point and/or fugitive and/or odour emissions/ impacts (with proposed timing), including monitoring, in line with relevant guidance/ standards; and	6.4 & 6.5
	Include an emission inventory of all sources of air emissions.	App. C

Note the Project is not expected to have any significant odour sources. Coal self-heating (spontaneous combustion) events have the potential to release odorous pollutants, if they occur. However, any such events would be avoided or managed through the continued implementation of the existing Mount Pleasant Operation Spontaneous Combustion Management Plan. Potential odour emissions and impacts have therefore not been considered further in this assessment.

4.3 Muswellbrook Shire Council

This Air Quality Impact Assessment has been prepared in consideration of the input from the Muswellbrook Shire Council (MSC) to the SEARs, outlined in **Table 4-3**.

Table 4-3: MSC input to the SEARs for air quality

Specific issue	Comments	Section
Dust and air pollution	A cumulative air pollution analysis should be prepared to assess the total concentration of air pollutants from this Project, other mines, ash dams and coal-fired power stations, quarries and agriculture in the Region.	5
	Air quality issues in the early morning hours are very visible for much of the year. Council is informed that this occurs as a result of a strong inversion that forms over the Muswellbrook and Singleton council areas, trapping dust and other pollutants.	5
	This naturally occurring phenomenon seems to be well known by State Agencies. It is Council's view that the 24 hour averaging period for air pollution monitoring has the unintended consequence of obscuring issues of elevated dust levels in the late evenings and early morning hours for much of the year, resulting in unacceptable health impacts for local residents and the equine industry.	5
	The EIS should explore all feasible, real-time air quality monitoring protocols that will address the inversion issue better than the 24 hour averaging protocol, controlling dust generating activity in the early evenings and mornings periods when necessary, but also reducing the down time the Mine experiences as a result of the 24 hour averaging protocol.	6.5

5 EXISTING ENVIRONMENT

This section provides a summary of the local climate and ambient air quality in the area surrounding the Project.

5.1 Local climate

Long-term climatic data collected at the closest Bureau of Meteorology (BoM) weather station at Scone Airport Automatic Weather Station (AWS) (Station Number 061363) were analysed to characterise the local climate in the proximity of the Project. The Scone Airport AWS is located approximately 25km north of the Project.

Table 5-1 and **Figure 5-1** show climatic parameters which have been collected from the Scone Airport AWS over a 14 to 28 year period. These data assist in characterising the local climatic conditions based on the long-term meteorological parameters.

The data indicate that January is the hottest month, with a mean maximum temperature of 31.9 degrees Celsius (ºC) and July is the coldest month, with a mean minimum temperature of 3.3ºC.

Rainfall peaks during the summer months and declines during winter. The data show December is the wettest month, with an average rainfall of 73.9 millimetres (mm) over 6.7 days and April is the driest month, with an average rainfall of 32.9mm over 3.9 days.

Relative humidity levels exhibit variability over the day and seasonal fluctuations. Mean 9am relative humidity levels range from 62% in October to 86% in June. Mean 3pm relative humidity levels vary from 41% in January to 58% in June.

Wind speeds during the warmer months have a greater spread between the 9am and 3pm conditions compared to the colder months. The mean 9am wind speeds range from 7.0 kilometres per hour (km/h) in May and July to 12.7km/h in October and November. The mean 3pm wind speeds vary from 16.0km/h in June to 20.6km/h in November.

Table 5-1: Monthly climate statistics summary – Scone Airport AWS

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann.
Temperature													
Mean max. temp. (ºC)	31.9	30.7	28.1	24.6	20.5	17.0	16.7	18.8	22.2	25.4	28.2	30.4	24.5
Mean min. temp. (ºC)	17.2	16.6	14.4	10.1	6.6	4.8	3.3	3.6	6.7	9.6	13.1	15.4	10.1
Rainfall													
Rainfall (mm)	60.8	57.8	57.0	32.9	35.1	46.0	36.7	35.1	33.7	46.5	72.5	73.9	591.6
No. of rain days (≥1mm)	6.0	5.4	6.5	3.9	4.2	6.2	4.7	4.2	4.6	5.3	6.8	6.7	64.5
9am conditions													
Mean temp. (ºC)	22.3	21.3	19.0	17.0	13.0	10.0	9.4	11.3	15.3	18.3	19.7	21.6	16.5
Mean R.H. (%)	70	77	82	77	81	86	83	73	66	62	66	67	74
Mean W.S. (km/h)	11.3	10.0	8.9	8.2	7.0	7.5	7.0	9.9	11.4	12.7	12.7	11.9	9.9
3pm conditions													
Mean temp. (ºC)	29.9	28.9	26.7	23.4	19.4	16.1	15.6	17.7	20.8	23.6	26.0	28.4	23.0
Mean R.H. (%)	41	47	47	49	51	58	55	47	44	42	43	42	47
Mean W.S. (km/h)	19.2	18.7	18.6	18.0	16.1	16.0	16.5	18.7	18.9	19.1	20.6	20.0	18.4

Source: **BoM, 2020**

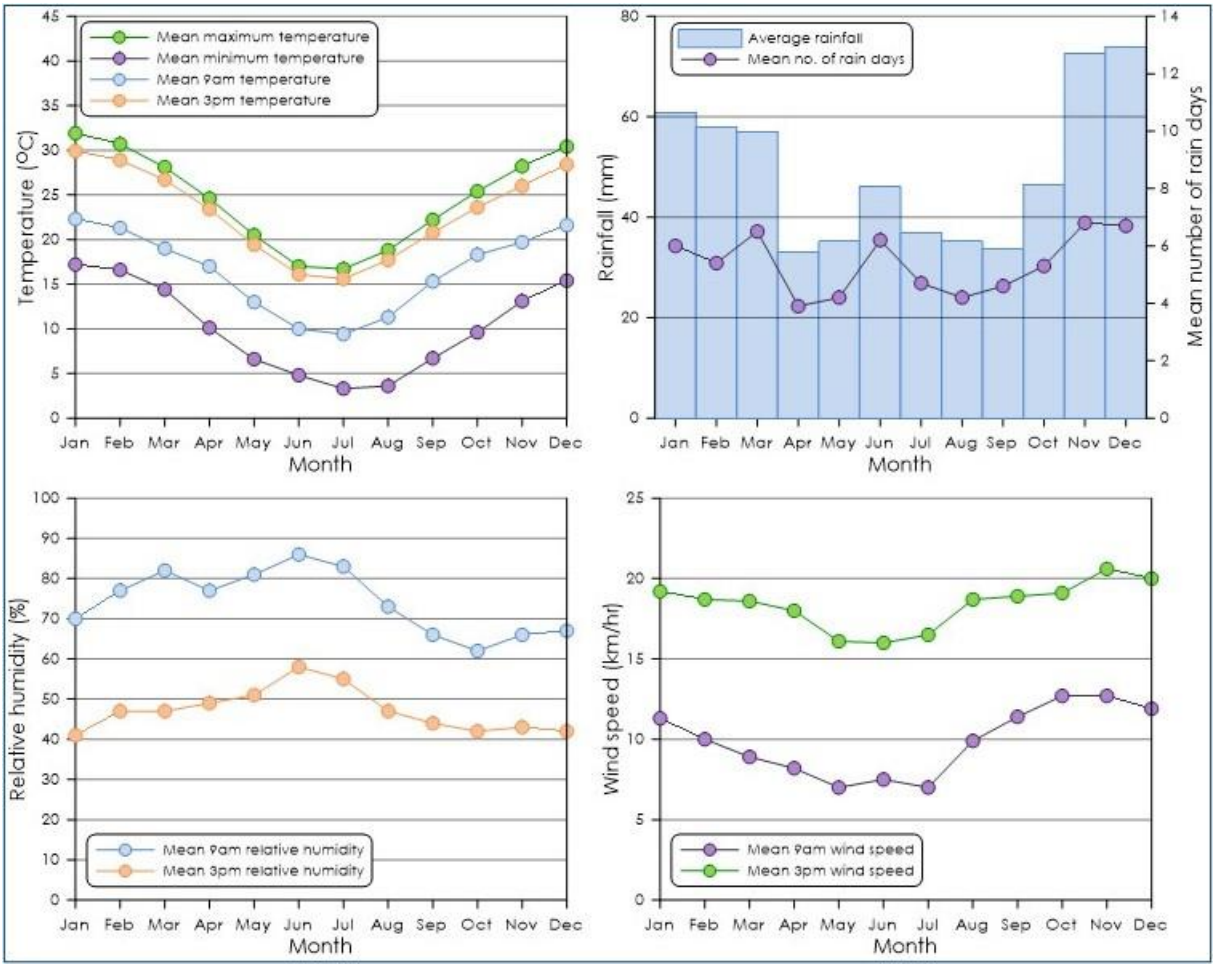


Figure 5-1: Monthly climate statistics summary – Scone Airport AWS

5.2 Local meteorological conditions

Three weather stations are in close proximity to the Project and the data recorded at these stations have been reviewed. The locations of these weather stations are shown in **Figure 5-2**, which presents the locations of these stations overlaid with the annual windroses from the available data during 2015.

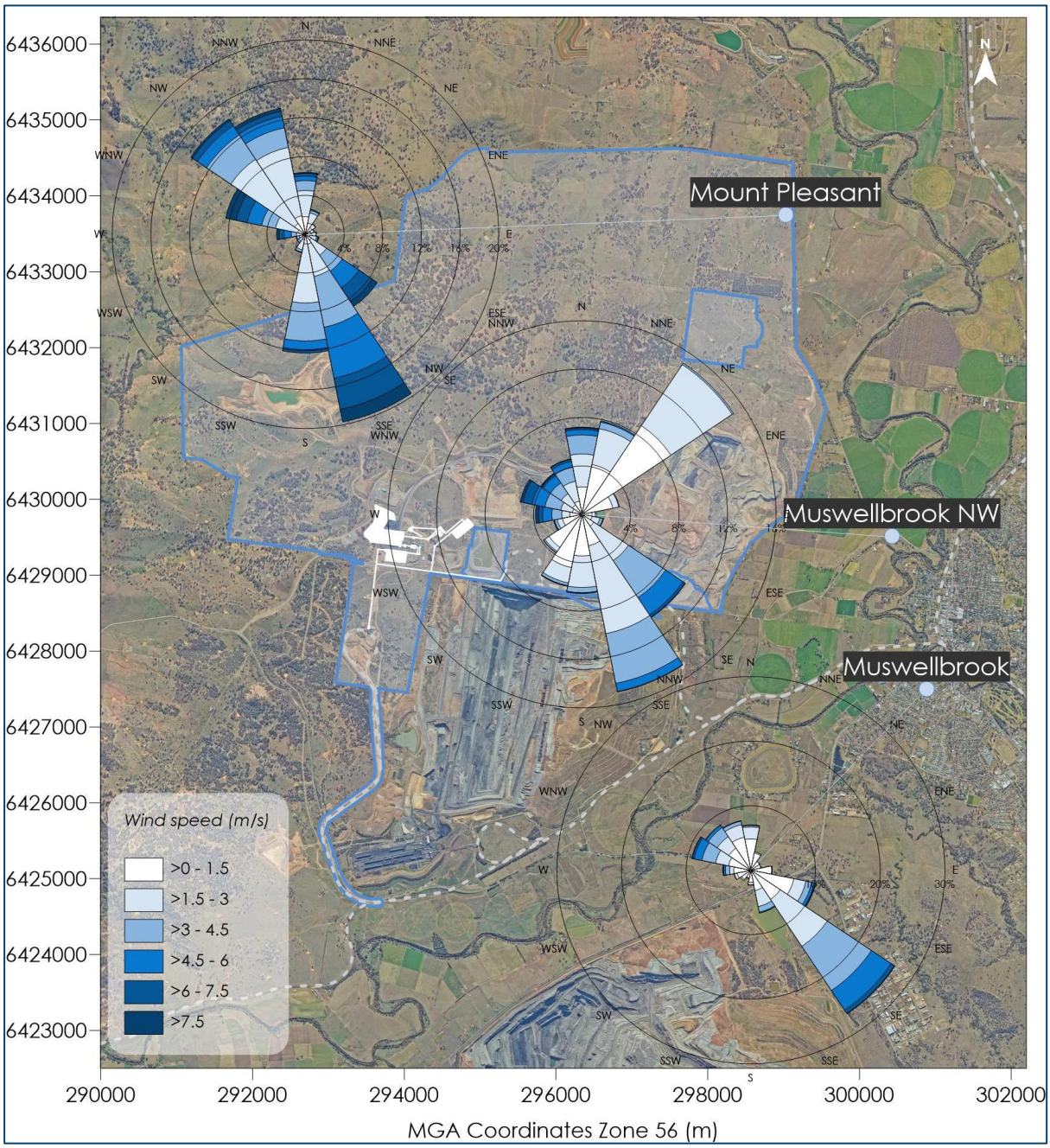
The 2015 calendar year has been selected as the meteorological year for the dispersion modelling based on analysis of seven contiguous years of data (2013 – 2019) against the long-term meteorological data trends and other factors discussed in detail in **Appendix B**.

It can be seen that the annual windroses for each station show similar inter-annual patterns in each year, and indicate the expected variability in the measured meteorological data due to the location of the weather station in the surrounding terrain.

For the Mount Pleasant Operation weather station, on an annual basis, winds typically flow along a north-northwest/ north-west to a south-southeast axis, with very few winds arising from the north-east and south-west quadrants.

At the Muswellbrook NW weather station, winds are more varied and wind speeds are relatively lower in comparison to the Mount Pleasant Operation weather station. Winds from the south-southeast and north-east dominate the distribution. Winds from the north-east are identified as drainage flows along the Hunter River floodplain.

The Muswellbrook weather station indicates that winds are typically from the south-east, with fewer winds from the north-west quadrant. Very few winds occur from the north-east and south-west quadrants.



Note: m/s = metres per second

Figure 5-2: Annual windroses for 2015

5.3 Local air quality monitoring

The main sources of particulate matter in the wider area include active mining, agricultural activities, emissions from local anthropogenic activities such as motor vehicle exhaust and domestic wood heaters, urban activity and various other commercial and industrial activities including power generation associated with the Liddell, Bayswater and Redbank power stations.

5.3.1 PM_{10} and TSP monitoring

Ambient PM_{10} and TSP monitoring data sourced from 39 stations have been reviewed. **Figure 5-3** shows the approximate location of each of the monitoring stations with reference to the Project (except for the Mangoola D05-DC and D06-DC monitors). The type of air quality monitors used to measure ambient PM_{10} and TSP include Tapered Element Oscillating Microbalances (TEOMs), High Volume Air Samplers (HVAS) and Palas Fidas monitors.

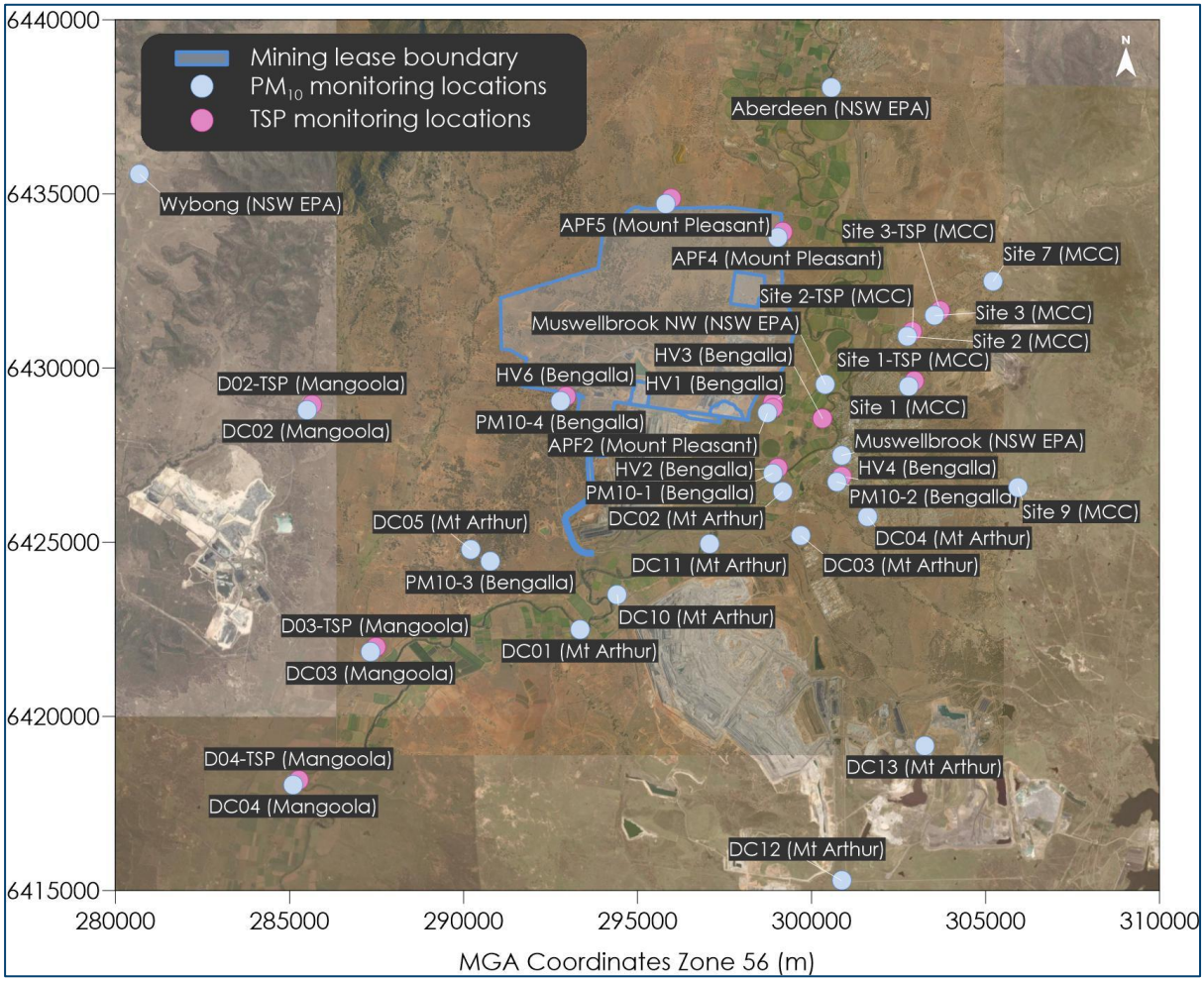


Figure 5-3: Ambient PM_{10} and TSP monitoring locations

The available PM_{10} monitoring data from the Upper Hunter air quality monitoring network (UHAQMN) monitoring stations are summarised in **Table 5-2**, and indicate that the annual average PM_{10} concentrations are below the relevant criterion of 25µg/m^3, with the exception of Muswellbrook in 2018 and all stations in 2019. The maximum 24-hour average PM_{10} concentrations recorded at these stations exceed the relevant criterion of 50µg/m^3 at times during the review period.

Table 5-2: Summary of ambient PM_{10} levels from UHAQMN (µg/m³)

Location	2012	2013	2014	2015	2016	2017	2018	2019
	Annual average							
Muswellbrook NW	19.1	18.9	19.2	16.7	16.6	18.5	25.0	**33.7**
Muswellbrook	21.8	22.6	21.4	19.1	19.2	21.7	**27.2**	**34.4**
Aberdeen	17.0	17.3	17.9	15.2	15.6	17.6	22.3	**29.5**
Wybong	15.4	15.5	17.0	14.8	15.3	16.6	21.6	**28.5**
	Maximum 24-hour average							
Muswellbrook NW	55.8	52.4	50.8	72.9	44.8	51.0	195.4	244.6
Muswellbrook	51.0	55.6	53.0	72.6	43.9	56.5	185.9	231.3
Aberdeen	45.8	42.7	50.4	64.8	41.2	59.4	178.9	246.7
Wybong	54.4	83.0	67.7	79.5	52.1	64.3	179.6	277.2

The recorded 24-hour average PM_{10} concentrations include the contribution from all emission sources in the vicinity, and are presented graphically in **Figure 5-4**.

The figure shows that PM_{10} concentrations are highest in the 2018 and 2019 periods as a result of the occurrence of windblown dust associated with the drought conditions and severe bushfire season in 2019.

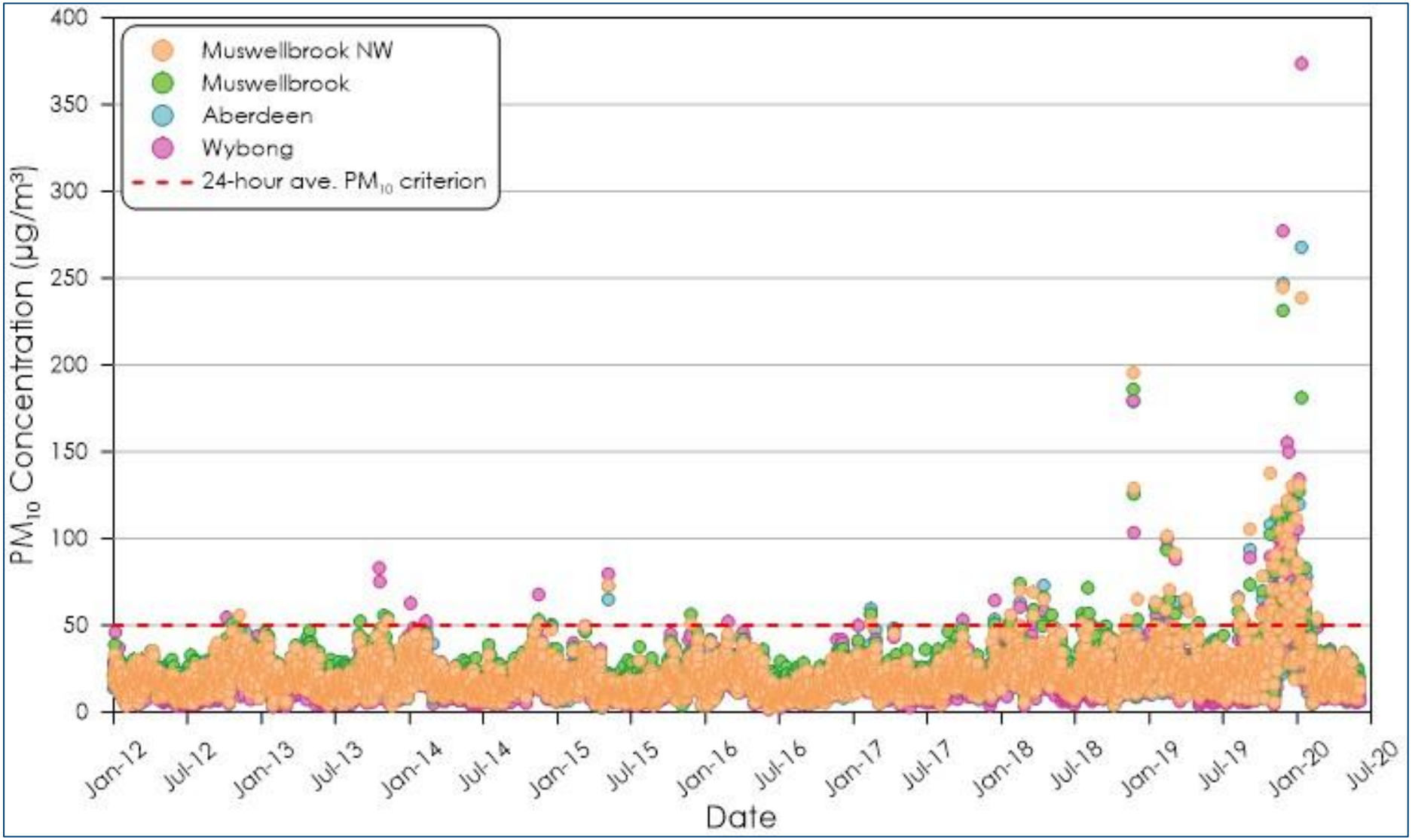


Figure 5-4: 24-hour average PM_{10} concentrations at UHAQMN monitoring stations

Figure 5-5 presents the annual average PM_{10} monitoring data for the period reviewed for a selection of UHAQMN monitoring stations. In 2019 the annual average PM_{10} levels at all monitors exceeded the relevant criterion of 25µg/m³. The graph shows there has been a significant increase in the dust levels during 2018 and 2019 compared to previous years. This increase occurs at all stations in the UHAQMN including the Merriwa monitor, which is generally considered to be unaffected by mining activities.

The increase in dust levels in 2018 is primarily due to drought conditions and the increase in 2019 is due to a combination of the intensifying drought conditions and a severe bushfire season. The increase in background dust levels due to these environmental conditions is considered to be the main cause of the elevated annual average readings.

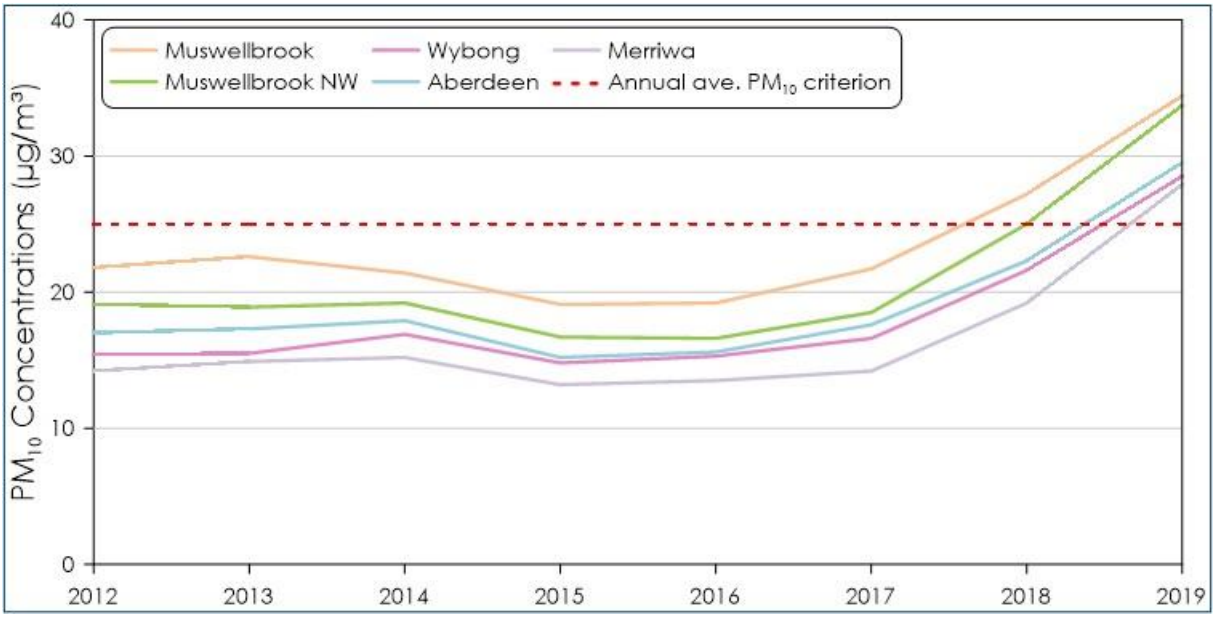


Figure 5-5: Annual average PM_{10} concentrations at UHAQMN monitoring stations

Figure 5-6 presents a source contribution of the annual average PM_{10} level during 2018 at various locations surrounding the Project. The different sources include the Mount Pleasant Operation, other mining operations, power stations and background including agriculture.

The contribution from the Mount Pleasant Operation and the other mining operations is based on predicted levels for Scenario 1 in MOD3 (**Todoroski Air Sciences, 2017**). The Mount Pleasant Operation and the other mining operations contribute a relatively small amount to the area north, which is dominated by background including agriculture. Mining operations contribute to a larger portion of the total PM_{10} levels in Muswellbrook, however background including agriculture is still estimated to account for approximately two thirds of the recorded levels. Immediately to the south-west of the Mount Pleasant Operation, mining operations are estimated to account for over half the total PM_{10} levels. This is because this location would be downwind of mining operations to the south-east during prevailing south-easterly winds. The power stations have a relatively low contribution to the annual PM_{10} levels at all locations considered.

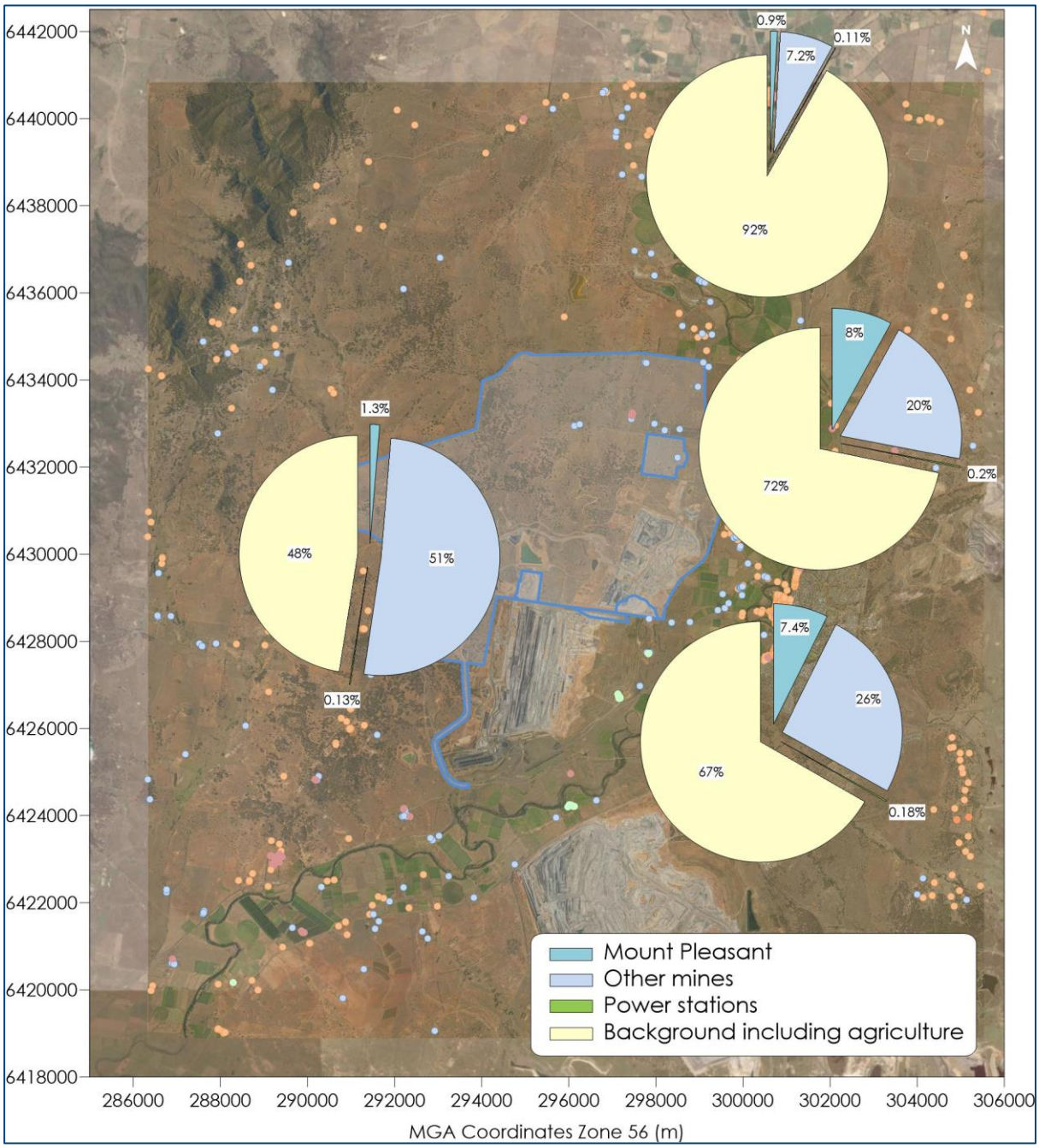


Figure 5-6: Estimated contribution of sources to annual average PM_{10} levels

The diurnal profile of dust levels at the Muswellbrook monitor has been investigated. **Figure 5-7** presents an analysis of the measured PM_{10} and $PM_{2.5}$ levels per time of day.

The figure indicates the PM_{10} levels show only a slight trend with higher levels occurring in the early morning and evening periods compared to the middle of the day. This is as expected due to the better dispersion conditions occurring during daytime periods.

The $PM_{2.5}$ levels show a more noticeable trend with the higher levels occurring in the night-time periods compared to the day. Further analysis by season shows the maximum $PM_{2.5}$ levels occur in winter and autumn compared to the other seasons, which coincides with a higher occurrence of inversions.

The likely cause of these elevated $PM_{2.5}$ levels can be attributed to domestic wood heater emissions from within the town. Whilst dust from mining would also contribute to these levels, it needs to be acknowledged that domestic wood smoke is a key issue for potential human health impacts as wood heaters are located inside living rooms and the chimney discharge is closer to residents, which means the air that the population breathes will be affected by wood heater emissions to a much greater degree than by mining operations.

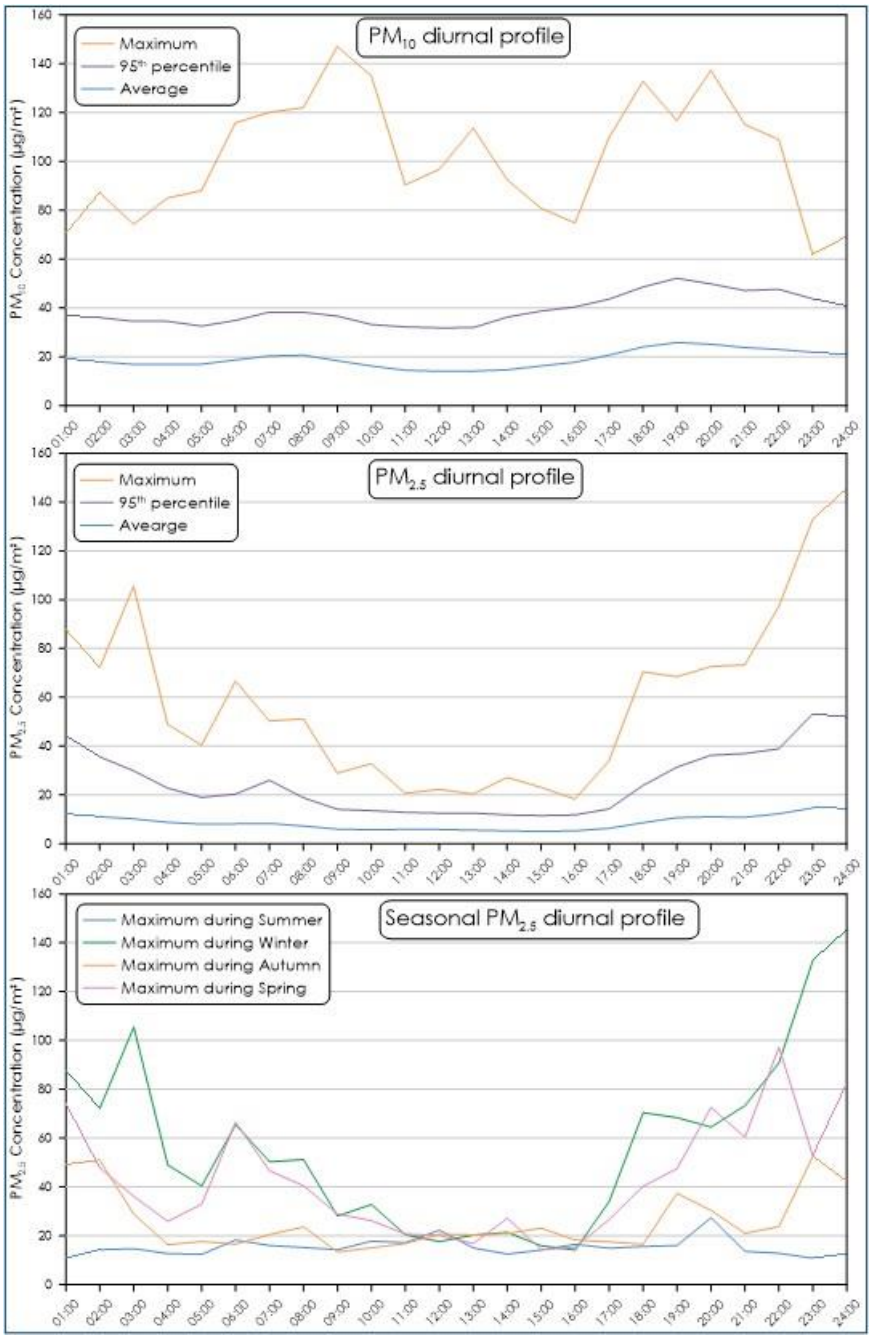


Figure 5-7: Diurnal levels at Muswellbrook monitor (2015)

Table 5-3 summarises the annual average PM_{10} levels from monitoring stations operated by the Mount Pleasant Operation and nearby mining operations, including; Mt Arthur Coal Mine, Mangoola Coal, Bengalla Mine and Muswellbrook Coal Mine (MCM). The ambient air quality monitoring data for these stations were obtained from publicly available sources including annual reviews and published monitoring data records. It should be noted that some of the monitors may be used for operational purposes only and not for compliance purposes.

For the 2012 to 2019 period, all monitoring stations recorded levels below 25µg/m^3 with the exception of the PM10-1 station which recorded a level of 26.0µg/m^3 in 2013, the PM10-4 station which recorded a level of 28.0µg/m^3 in 2017 and DC02, PM10-1, PM10-2, PM10-3 and PM10-4 stations in 2018 and 2019.

The recorded annual average levels at these monitors typically show similar levels to those recorded at the UHAQMN stations for the same period. Monitoring stations located closer to mining operations generally indicate higher levels of PM_{10} compared to those located further away.

Table 5-3: Summary of annual average PM_{10} levels from surrounding mining operations (µg/m^3)

Location	2012	2013	2014	2015	2016	2017	2018	2019
APF2 (Mount Pleasant)	-	-	-	-	-	17.4	23.4*	23.4*
APF4 (Mount Pleasant)	-	-	-	-	-	8.9	16.0*	16.3*
APF5 (Mount Pleasant)	-	-	-	-	-	-	15.4*	17.5*
DC01 (Mt Arthur)	16.7	-	-	-	-	-	-	-
DC02 (Mt Arthur)	16.7	22.4	21.3	18.5	17.8	17.9	**29^**	**30^**
DC03 (Mt Arthur)	18.9	-	-	-	-	-	-	-
DC04 (Mt Arthur)	18.3	20.8	20.4	18.4	18.0	19.6	22^	25^
DC05 (Mt Arthur)	10.8	16.1	16.3	14.1	12.2	11.5	19^	21^
D02-DC (Mangoola)	13.3	14.5	14.4	11.4	11.7	12.9	17.2	17.6
D03-DC (Mangoola)	13.6	14.9	15.4	12.3	13.6	14.6	20.3	21.0
D04-DC (Mangoola)	11.1	12.2	12.2	9.9	9.9	12.7	18.0	20.6
D05-DC (Mangoola)	-	-	-	10.5	9.9	9.0	17.0	15.6
D06-DC (Mangoola)	-	-	-	-	-	-	20.9	20.0
PM10-1 (Bengalla)	24.4	**26.0**	23.5	20.0	18.1	23.1	**33.3**	**49.3**
PM10-2 (Bengalla)	25.0	22.5	23.6	18.9	17.0	19.2	**27.1**	**37.9**
PM10-3 (Bengalla)	16.2	17.7	23.7	18.9	17.9	20.9	**27.5**	**38.7**
PM10-4 (Bengalla)	20.1	20.2	23.7	22.7	21.1	**28.0**	**38.2**	**48.9**
Site 1 (MCM)	-	16.6	17.2	14.9	14.3	17.1	-	-
Site 2 (MCM)	-	17.3	17.6	14.9	15.5	17.2	-	-
Site 3 (MCM)	-	18.6	15.3	13.7	12.3	15.7	-	-
Site 7 (MCM)	-	-	-	-	-	15.6	20.2	26.7
Site 9 (MCM)	-	-	-	-	-	16.7	17.8	24.2

Note: * Results exclude 'extraordinary events' (e.g. dust storms and bushfire activity).
^ Results are for financial year, not calendar year.

Table 5-4 summarises the available annual average TSP levels for monitoring stations operated by nearby mining operations. For the 2012 to 2019 period, all monitoring stations recorded levels below 90µg/m^3, with the exception of HV6 in 2017, HV1, HV2 and HV6 in 2018 and 2019 and HV4 in 2019.

Table 5-4: Summary of annual average TSP levels from surrounding mining operations (µg/m³)

Location	2012	2013	2014	2015	2016	2017	2018	2019
A-HV2	-	-	-	-	-	52.9	89.6*	80.6*
A-HV4	-	-	-	-	-	30.5	45.5*	46.7*
A-HV5	-	-	-	-	-	25.4	43.7*	48.3*
D02-TSP (Mangoola)	41.4	42.9	47	37.3	35.4	42.9	61.2	54.0
D03-TSP (Mangoola)	37.7	43.5	50	38	41.7	41.7	60.0	62.1
D04-TSP (Mangoola)	28.7	36.7	38.6	39.5	35.0	37.8	50.4	49.9
HV1 (Bengalla)	50.1	45.5	60.3	45.8	52.8	58.9	**94.3**	**124**
HV2 (Bengalla)	60.9	61.3	67.3	54.1	52.7	60.0	**91.4**	**112.5**
HV3 (Bengalla)	43.5	42.6	49.3	39.1	37.6	43.9	69.7	85.2
HV4 (Bengalla)	55	51.6	60.9	44.5	44.9	49.6	71.5	**95.1**
HV6 (Bengalla)	64.6	66.1	80.1	73.1	68.7	**96.4**	**112.0**	**143**
Site 1 (MCM)	-	33.0	39.5	29.8	28.2	32.6	-	-
Site 2 (MCM)	-	37.5	39.4	29.7	30.1	32.9	-	-
Site 3 (MCM)	-	38.2	51.4	32.9	35.9	36.7	-	-

Note: * Results exclude 'extraordinary events' (e.g. dust storms and bushfire activity).

5.3.2 $PM_{2.5}$ monitoring

A summary of the available $PM_{2.5}$ monitoring data from the UHAQMN Muswellbrook monitoring station is provided in **Table 5-5**, and is presented graphically in **Figure 5-8**.

Table 5-5 indicates that the annual average $PM_{2.5}$ concentrations in Muswellbrook were above the relevant criterion of 8µg/m³ for the periods reviewed, and that the maximum 24-hour average $PM_{2.5}$ concentrations exceeded the relevant criterion of 25µg/m³ at times during the period reviewed.

Table 5-5: Summary of ambient $PM_{2.5}$ levels from UHAQMN Muswellbrook (µg/m³)

Location	2012	2013	2014	2015	2016	2017	2018	2019
	Annual average							
Muswellbrook	10.1	9.4	9.7	8.7	8.4	9.4	9.4	12.2
	Maximum 24-hour average							
Muswellbrook	26.4	36.6	27.4	31.2	29.4	31.1	26.5	77.4

A clear seasonal trend in 24-hour average $PM_{2.5}$ concentrations can be seen in **Figure 5-8**, with elevated levels occurring in the cooler months. This is opposite to the seasonal trend for PM_{10} concentrations, which has elevated levels during the warmer months.

Figure 5-8 also shows a large spike in 24-hour average $PM_{2.5}$ concentrations during the severe bushfire season in 2019.

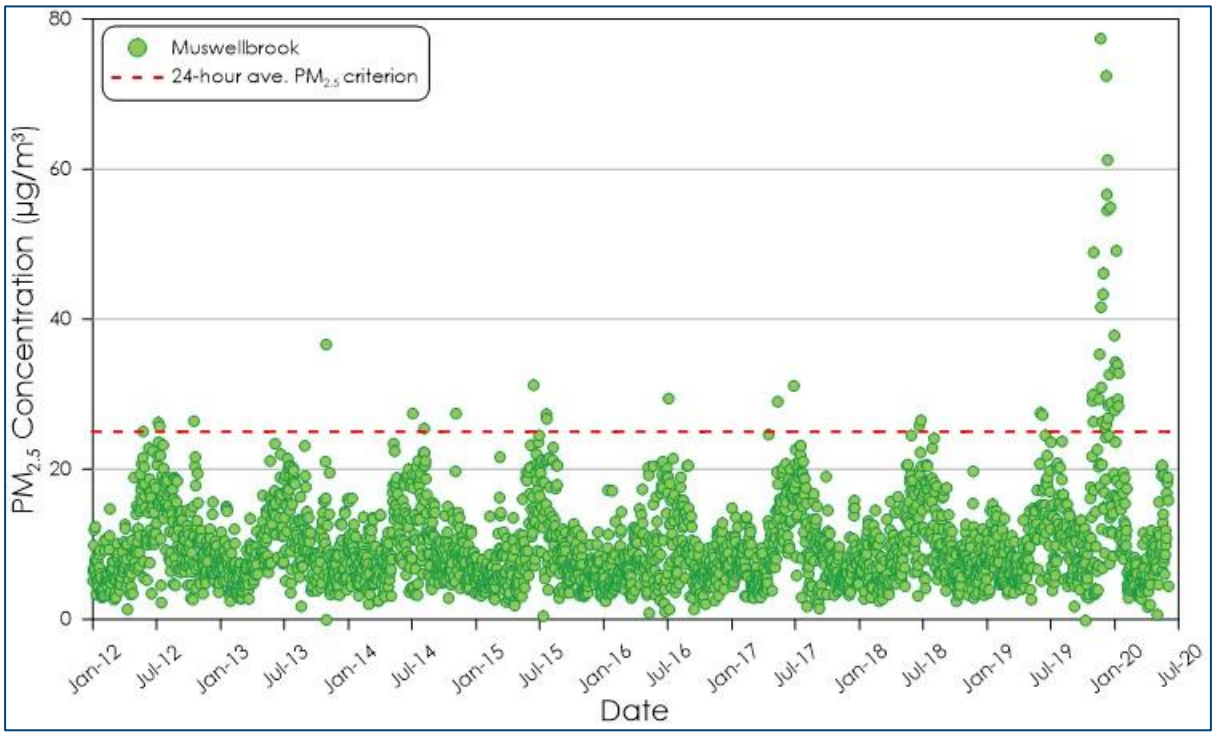


Figure 5-8: 24-hour average $PM_{2.5}$ concentrations from UHAQMN Muswellbrook monitoring station

Ambient $PM_{2.5}$ levels at the Muswellbrook monitoring station would be governed by non-mining background sources such as wood heaters. The wintertime peak in $PM_{2.5}$ levels would arise due to emissions from urban wood heaters in the nearby residential areas.

$PM_{2.5}$ monitors located near mining operations (away from towns) are found to have little seasonal trend in comparison to the Muswellbrook monitoring station (**Todoroski Air Sciences, 2014**). This suggests that the influence of anthropogenic sources on $PM_{2.5}$ levels is localised to the towns and does not significantly affect the areas that are more sparsely populated.

A summary of the available $PM_{2.5}$ monitoring data from the Mount Pleasant Operation monitoring stations is tabled in **Table 5-6**, and is presented graphically in **Figure 5-9**.

Table 5-6 indicates that the annual average $PM_{2.5}$ concentrations surrounding the Mount Pleasant Operation were below the relevant criterion of 8µg/m³ for the periods reviewed. **Figure 5-9** does not show the same seasonal trend as the Muswellbrook monitoring station and would confirm that the influence of anthropogenic sources on $PM_{2.5}$ levels is localised to the town.

Table 5-6: Summary of ambient $PM_{2.5}$ levels from Mount Pleasant Operation monitoring (µg/m³)

Location	2017	2018	2019
APF2 (Mount Pleasant)	5.1	6.1*	6.4*
APF4 (Mount Pleasant)	4.8	5.5*	5.4*
APF5 (Mount Pleasant)	-	5.2*	5.5*

Note: * Results exclude 'extraordinary events' (e.g. dust storms and bushfire activity).

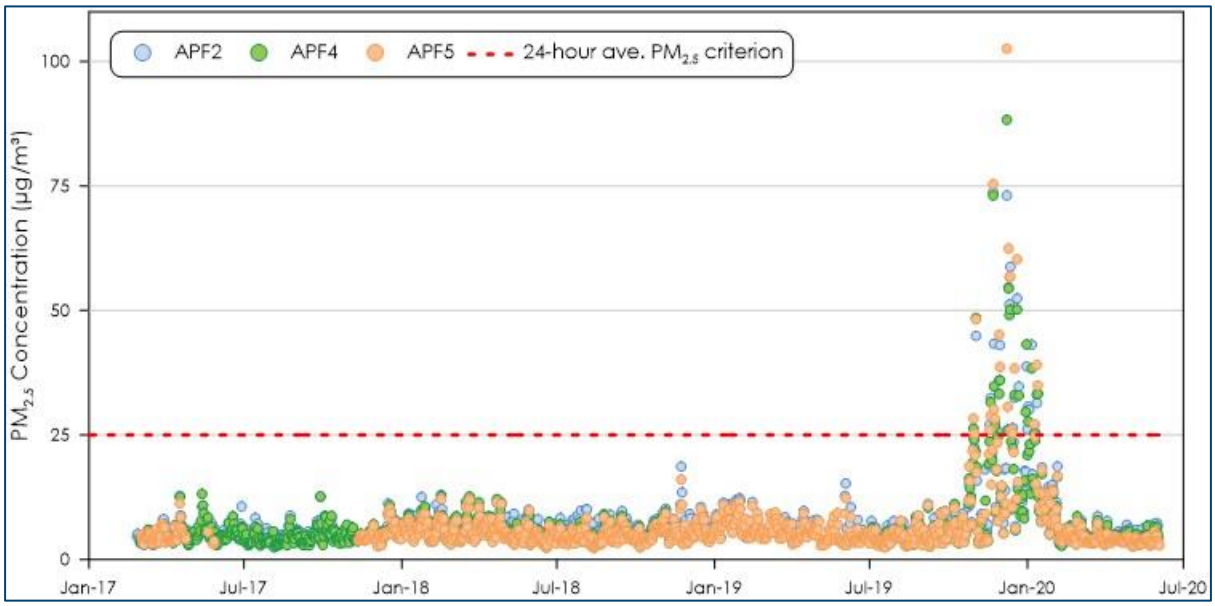


Figure 5-9: 24-hour average $PM_{2.5}$ concentrations from Mount Pleasant Operation monitoring stations

5.3.3 Dust deposition monitoring

Dust deposition monitoring conducted by the Mount Pleasant Operation has been reviewed. **Figure 5-10** presents the location of the dust deposition monitors.

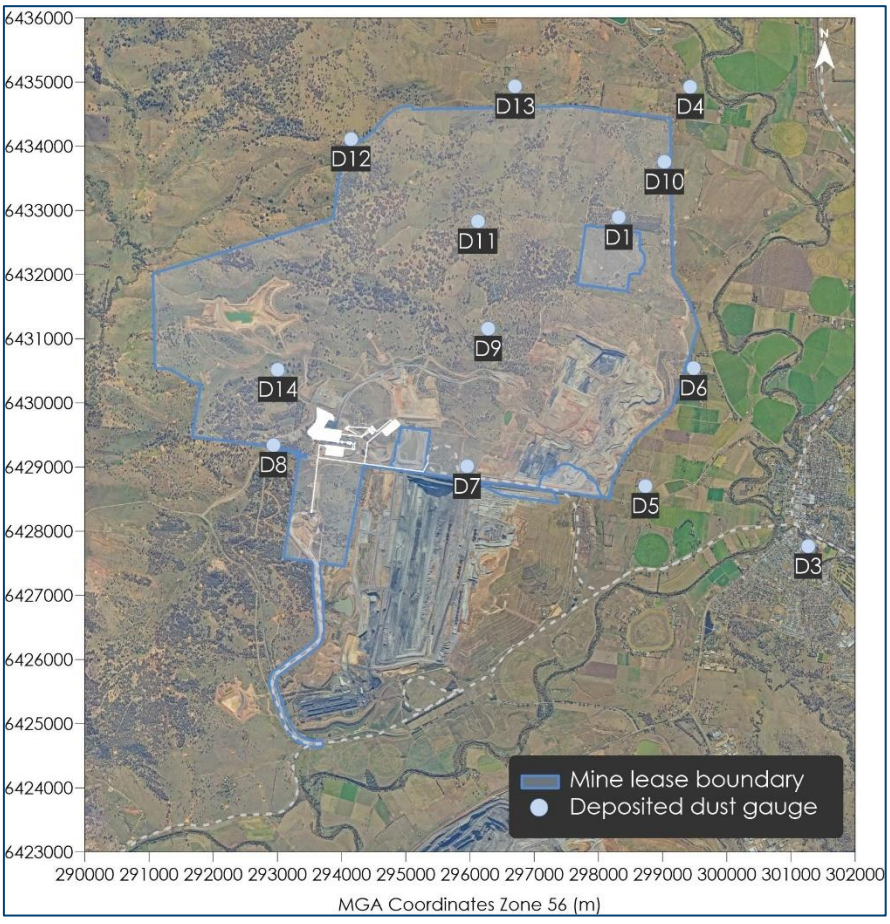


Figure 5-10: Dust deposition monitoring locations

Table 5-7 presents the annual average dust deposition levels during 2012 to 2019. The results indicate that dust deposition levels are typically highest near mining activity, such as at D7. All other monitors recorded levels below the relevant criterion of 4g/m^2/month and indicate dust deposition levels are generally good in the vicinity of the Mount Pleasant Operation, with the exception of gauge D8 in 2013 and 2017 and gauges D6, D8, D9 and D14 in 2019. As described in the *Mount Pleasant Operation 2019 Annual Review & Annual Rehabilitation Report* (**MACH, 2020a**), a number of these monitors are not representative of sensitive receivers and are used for operational management purposes only. While gauge D6 is considered representative of sensitive receivers, a significant increase in dust levels was recorded over a three-month period that was likely due to local agricultural activities (**MACH, 2020a**).

Table 5-7: Summary of dust deposition levels (g/m^2/month)

Location	2012	2013	2014	2015	2016	2017	2018	2019
D1	1.4	1.2	1.3	1.0	1.3	1.3	1.6	2.4
D3	2.2	1.8	1.8	1.5	1.5	1.9	2.9	3.6
D4	1.6	1.3	1.6	2.4	1.5	1.4	1.8	2.5
D5	2.9	3.2	3.9	2.4	2.2	-	2.5	3.3
D6	2.2	3.3	3.7	2.5	2.3	2.6	3.2	**6.4**
D7	**13.0**	**11.5**	**12.3**	**5.8**	**6.8**	**-**	**8.5**	**7.6**
D8	3.4	**4.4**	3.7	3.0	3.7	**5.9**	3.9	**5.0**
D9	1.3	1.4	1.5	1.3	1.6	1.7	1.9	**4.3**
D10	2.0	-	1.0	0.8	1.1	1.3	1.5	1.8
D11	2.0	1.3	1.6	1.4	1.3	1.7	2.0	3.0
D12	1.1	0.7	1.0	0.8	0.7	0.9	1.5	1.5
D13	2.2	3.2	3.2	2.1	2.0	3.3	2.7	-
D14	2.4	3.0	3.4	2.2	3.2	2.5	3.7	**4.3**

5.3.4 Nitrogen dioxide monitoring

Figure 5-11 presents the maximum daily 1-hour average NO_2 concentrations from the UHAQMN Muswellbrook monitoring station from January 2012 to Jul 2020.

The ambient air quality monitoring data would include emissions from sources such as the Liddell, Bayswater and Redbank power stations, methane gas flaring operations at mining operations as well as other various combustion sources. The monitoring data recorded are well below the NSW EPA 1-hour average goal of 246µg/m^3 during the review period and the data in **Figure 5-11** indicate very little seasonal variation.

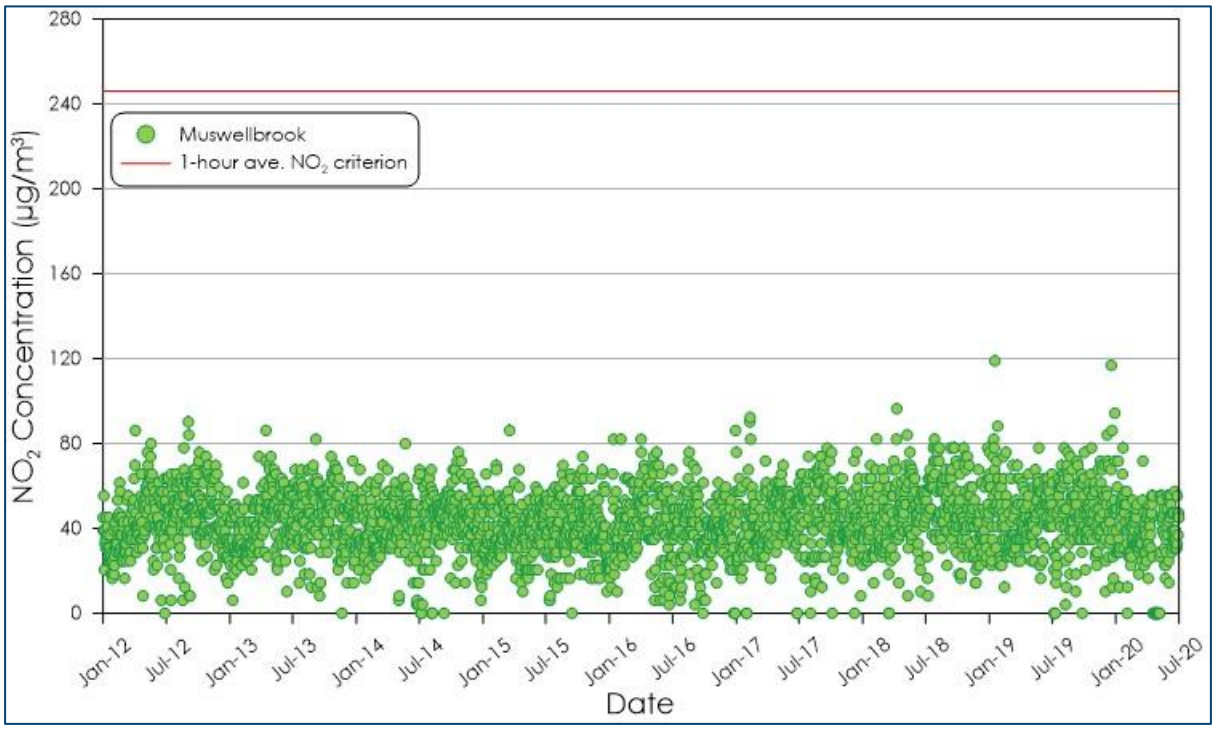


Figure 5-11: Daily 1-hour maximum NO_2 concentrations from UHAQMN Muswellbrook monitoring station

6 DISPERSION MODELLING APPROACH

The dispersion modelling approach applies the CALPUFF modelling suite, as per previous assessments for the Mount Pleasant Operation and similar recent projects conducted by Todoroski Air Sciences.

The model was set up in general accordance with the NSW EPA's *Generic Guidance and Optimum Model Settings for the CALPUFF Modeling System for Inclusion into the 'Approved Methods for the Modeling and Assessments of Air Pollutants in NSW, Australia'* (**TRC Environmental Corporation**, **2011**).

6.1 Meteorological modelling

The meteorological modelling methodology applied a 'hybrid' approach that includes a combination of prognostic model data from The Air Pollution Model (TAPM) with surface observations.

TAPM was applied to generate prognostic upper air data for use in CALMET. The centre of analysis for the TAPM modelling used is 32deg15min south (295000m) and 150deg49.5min east (6430000m). The TAPM simulation involved an outer grid of 30km, with three nested grids of 10km, 3km and 1km with 35 vertical grid levels.

The CALMET modelling used a nested approach where the wind field from the coarser grid outer domain is used as the initial (or starting) field for the finer grid inner domains. The CALMET initial domain was an 85 x 85km grid with a 1.7km grid resolution, the second domain used a 50 x 50km grid with a 1.0km grid resolution and final, high resolution domain used a 30 x 30km grid with a 0.3km grid resolution.

The 2015 calendar year was selected as the period for modelling the Project based on the evaluation in **Appendix B**. The available meteorological data from eight nearby meteorological monitoring sites were included in the simulation. **Table 6-1** outlines the parameters used from each station.

Table 6-1: Surface observation stations

Weather Stations	Parameters						
	WS	WD	CH	CC	T	RH	SLP
Mount Pleasant Operation	✓	✓			✓	✓	
Muswellbrook NW (DPIE)	✓	✓			✓	✓	
Muswellbrook (DPIE)	✓	✓			✓	✓	
Scone Airport AWS (BoM) (Station No. 061363)	✓	✓			✓	✓	✓
Murrurundi Gap AWS (BoM) (Station No. 061392)	✓	✓	✓	✓	✓	✓	✓
Merriwa (Roscommon) Weather Station (BoM) (Station No, 061287)	✓	✓	✓	✓	✓	✓	✓
Cessnock Airport AWS (BoM) (Station No. 061260)	✓	✓			✓	✓	✓
Nullo Mountain AWS (BoM) (Station No. 062100)	✓	✓			✓	✓	

WS = wind speed, WD= wind direction, CH = cloud height, CC = cloud cover, T = temperature, RH = relative humidity, SLP = station level pressure, DPIE = Department of Planning, Industry and Environment and AWS = Automatic Weather Station

The seven critical parameters used in the CALMET modelling are presented in **Table 6-2**.

Table 6-2: Seven critical parameters used in CALMET

Parameter	Value		
	Domain 3	Domain 2	Domain 1
TERRAD	10		
IEXTRP	-4		
BIAS (NZ)	-1, -0.5, -0.25, 0, 0, 0, 0, 0		
R1 and R2	2.5,2.5	5,5	10,10
RMAX1 and RMAX2	5,5	10,10	20,20

6.2 Meteorological modelling evaluation

The outputs of the CALMET modelling are evaluated using visual analysis of the wind fields and extracted data and through statistical evaluation.

Figure 6-1 presents a visualisation of the wind field generated by CALMET for a single hour of the modelling period. The wind fields are seen to follow the terrain well and indicate the simulation produces realistic fine scale flow fields (such as terrain forced flows) in surrounding areas.

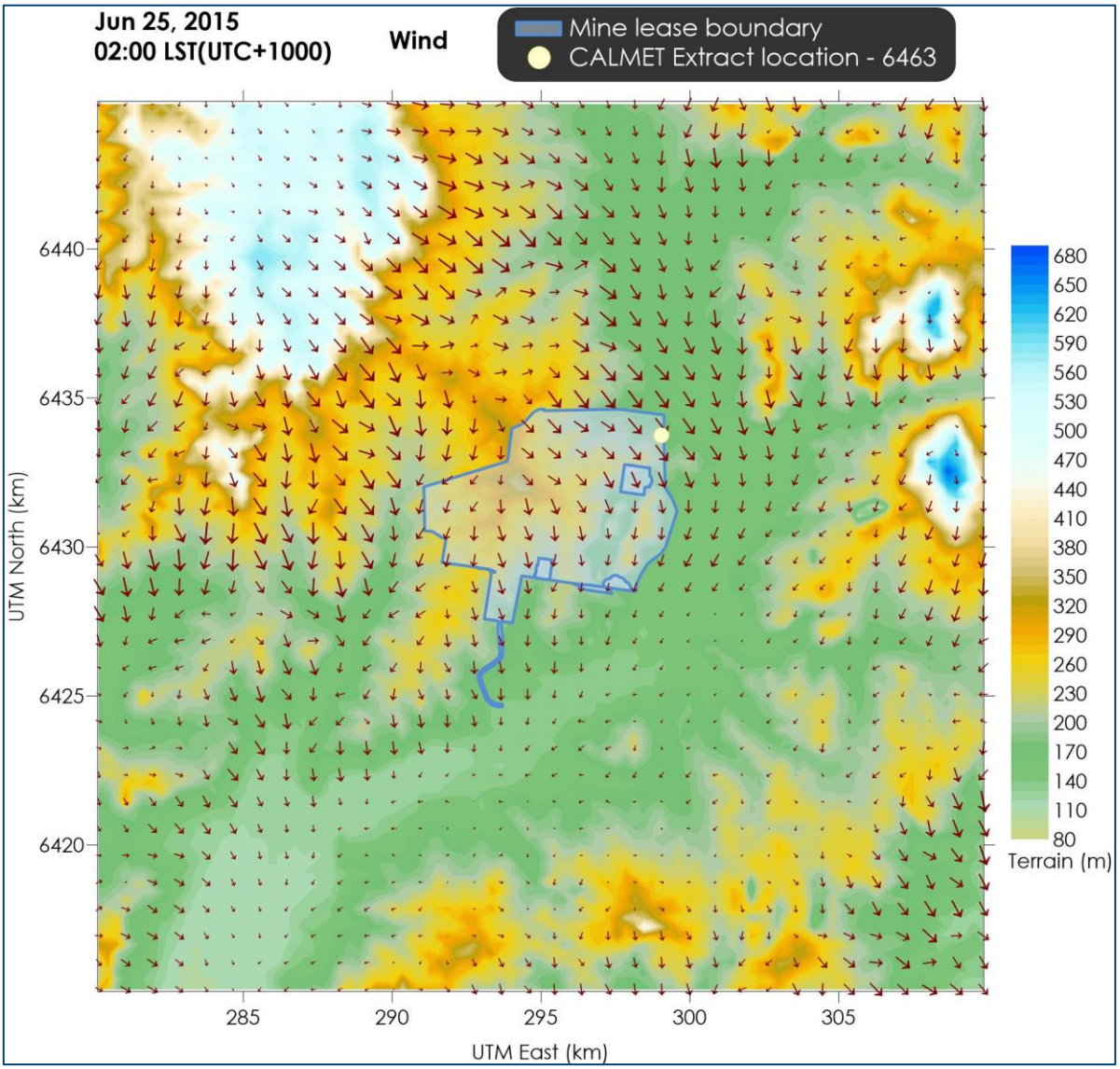


Figure 6-1: Example of the wind field for one of the 8,760 hours of the year that are modelled

CALMET-generated meteorological data were extracted at a location within the CALMET domain (see **Figure 6-1**) and are graphically represented in **Figure 6-2** and **Figure 6-3**.

Figure 6-2 presents annual and seasonal windroses extracted at a location within the CALMET domain. On an annual basis, winds from the south-southeast are most frequent followed by winds from the north-west. During summer, winds from the south-southeast dominate the distribution with fewer winds from the south and south-east. The autumn and spring wind distribution patterns are similar to the annual distribution, with most winds originating from the south-southeast and north-west. In winter, winds from the north-west are the most predominant.

Overall, the windroses generated in the CALMET modelling reflect the expected wind distribution patterns of the area as determined based on the available measured data and the expected terrain effects on the prevailing winds. This is evident as the windroses based on the CALMET data also compare well with the windroses generated with the measured data.

Figure 6-3 includes graphs of the temperature, wind speed, mixing height and stability classification over the modelling period and shows sensible trends considered to be representative of the area.

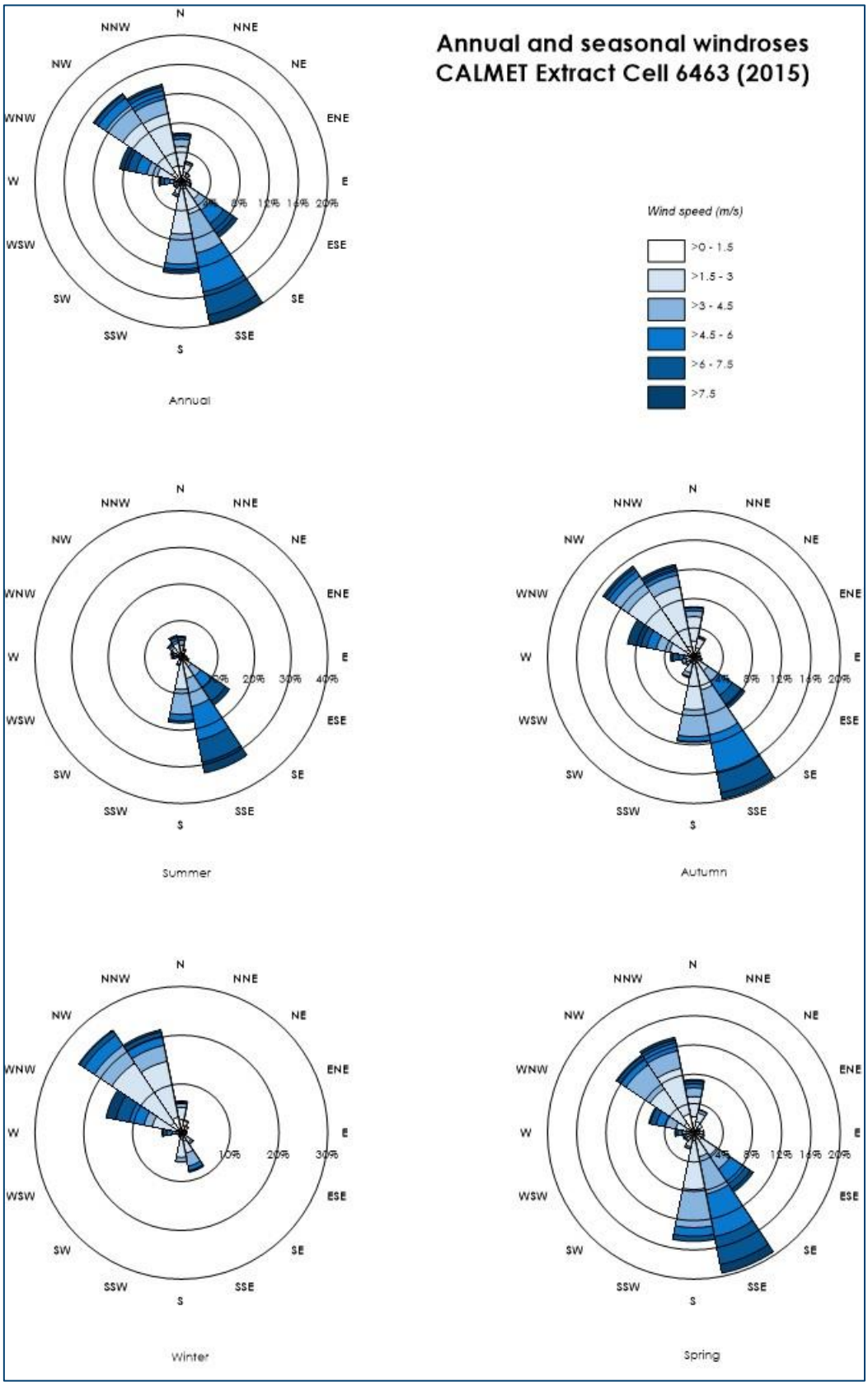


Figure 6-2: Windroses from CALMET extract Cell ref 6463 (2015)

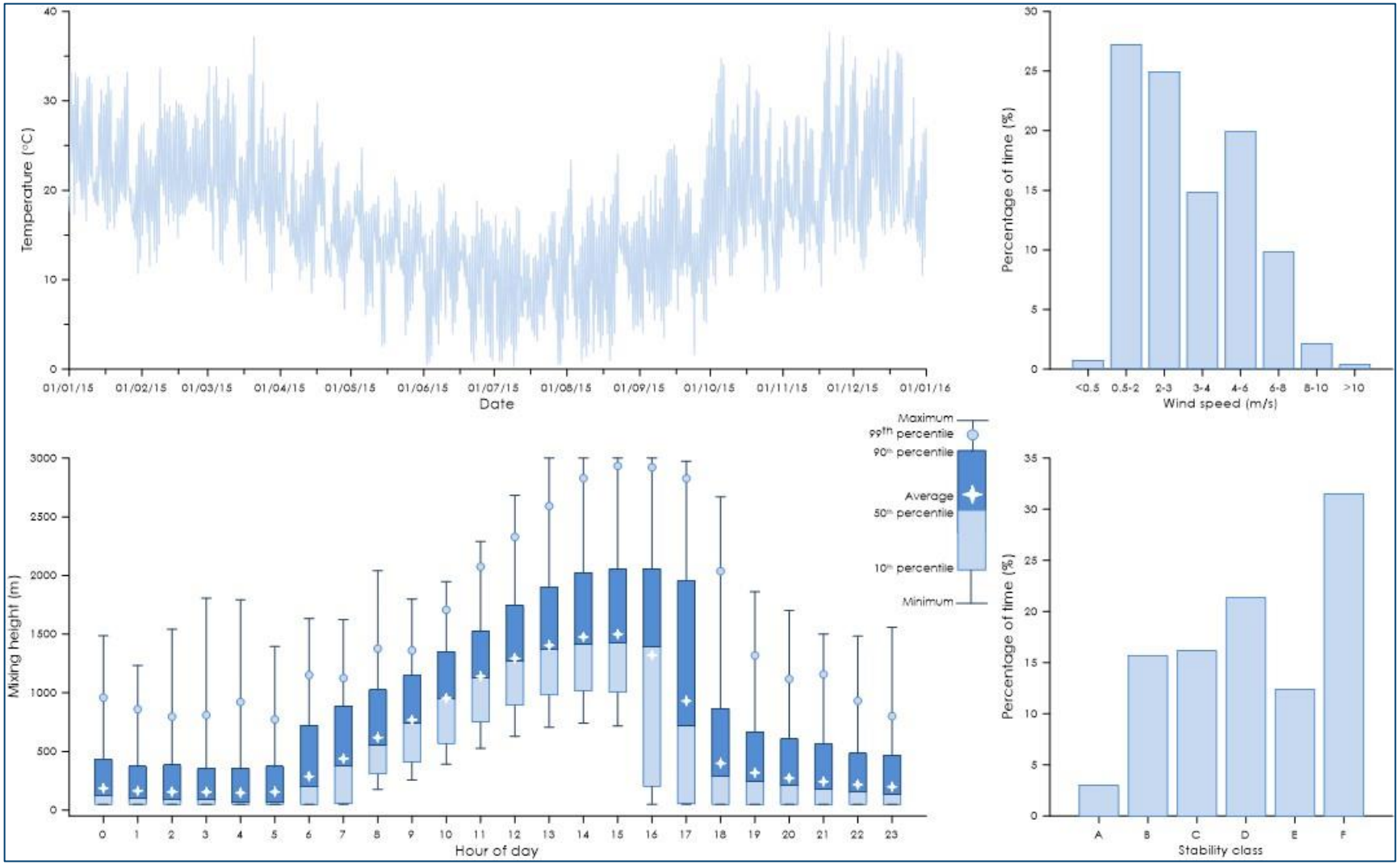


Figure 6-3: Meteorological analysis of CALMET extract Cell ref 6463 (2015)

6.3 Dispersion modelling

CALPUFF modelling is based on the distribution of particles for each particle size category derived from the applied emission factor equations. Emissions from each activity were represented by a series of volume sources and were included in the CALPUFF model via an hourly varying emission file. Meteorological conditions associated with dust generation (such as wind speed) and levels of dust-generating activity were considered in calculating the hourly varying emission rate for each source. It should be noted that as a conservative measure, the effect of the precipitation rate (rainfall) in removing dust emissions from the atmosphere has not been considered in this assessment.

6.4 Modelling scenarios

The assessment considers six indicative mine plan years (scenarios) to represent the Project. The scenarios were chosen to represent potential worst-case impacts with consideration of the quantity of material extracted and handled in each year, the location of the activity and the potential to generate dust at the sensitive receptor locations.

Mining operations would consist of a drill and blast, truck and shovel operation to remove overburden material and extract the coal resources. Dragline operations may also be implemented, consistent with the approved Mount Pleasant Operation, subject to further feasibility studies. Mining activity is currently at its closest to Muswellbrook and would continue its progression to the north and west away from Muswellbrook. The ROM coal mining rate would increase as mining progresses west. Overburden emplacement would typically occur behind the progression of the mine extraction with rehabilitation of emplacement areas progressing as they are completed. The active mining areas and exposed areas are to be kept to a minimum for the efficiency of the operation and to minimise visual impacts. This also has a positive effect in minimising the potential amount of dust levels generated from the operations.

Key aspects of the six scenarios selected for the assessment are described below:

- Scenario 1 (approximately Year 4) – this scenario represents Project mining activity occurring closest to Muswellbrook, with a ROM coal extraction rate of 10.5Mtpa as per the approved operations.
- Scenario 2 (approximately Year 6) – the ROM coal extraction rate has increased to a rate of 15.75Mtpa for the Project. The Stage 2 CHPP is operational in this scenario to process the additional ROM.
- Scenario 3 (approximately Year 9) – the Project has reached the full extent to the north for the Project with ROM coal extracted at a rate of 15.75Mtpa.
- Scenario 4 (approximately Year 12) – the ROM coal extraction rate reaches the peak of 21Mtpa for the Project.
- Scenario 5 (approximately Year 19) – the mining activity (amount of waste rock material handled) reaches a peak for the life of Project.
- Scenario 6 (approximately Year 22) – the mining activity for the Project is at a peak for the western extent for the Project. Following this period, mining activity progressively decreases as it continues to progress west.

Indicative mine plans for each of the respective scenarios are presented in **Figure 6-4** to **Figure 6-9**.

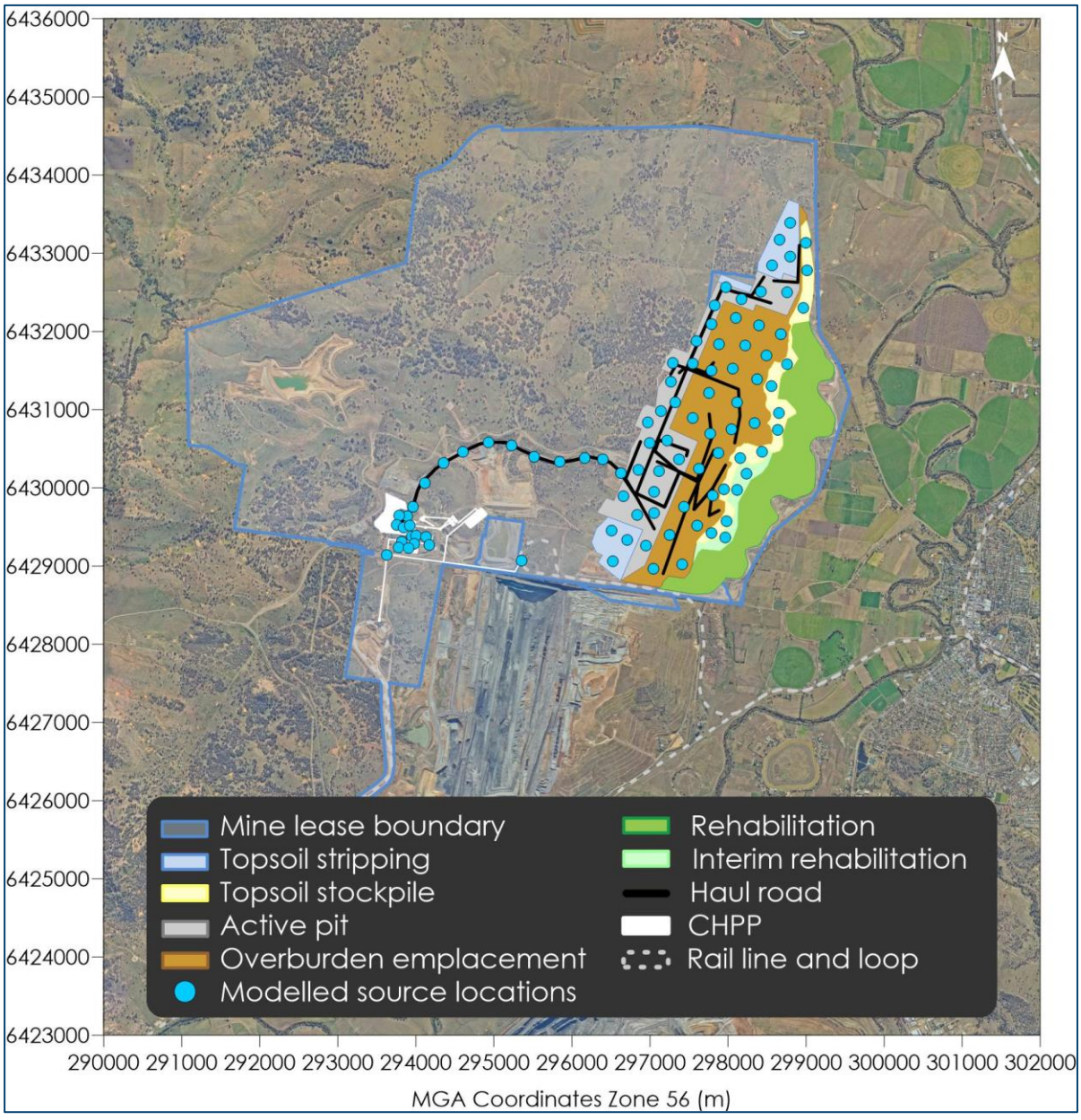


Figure 6-4: Indicative mine plan for Scenario 1

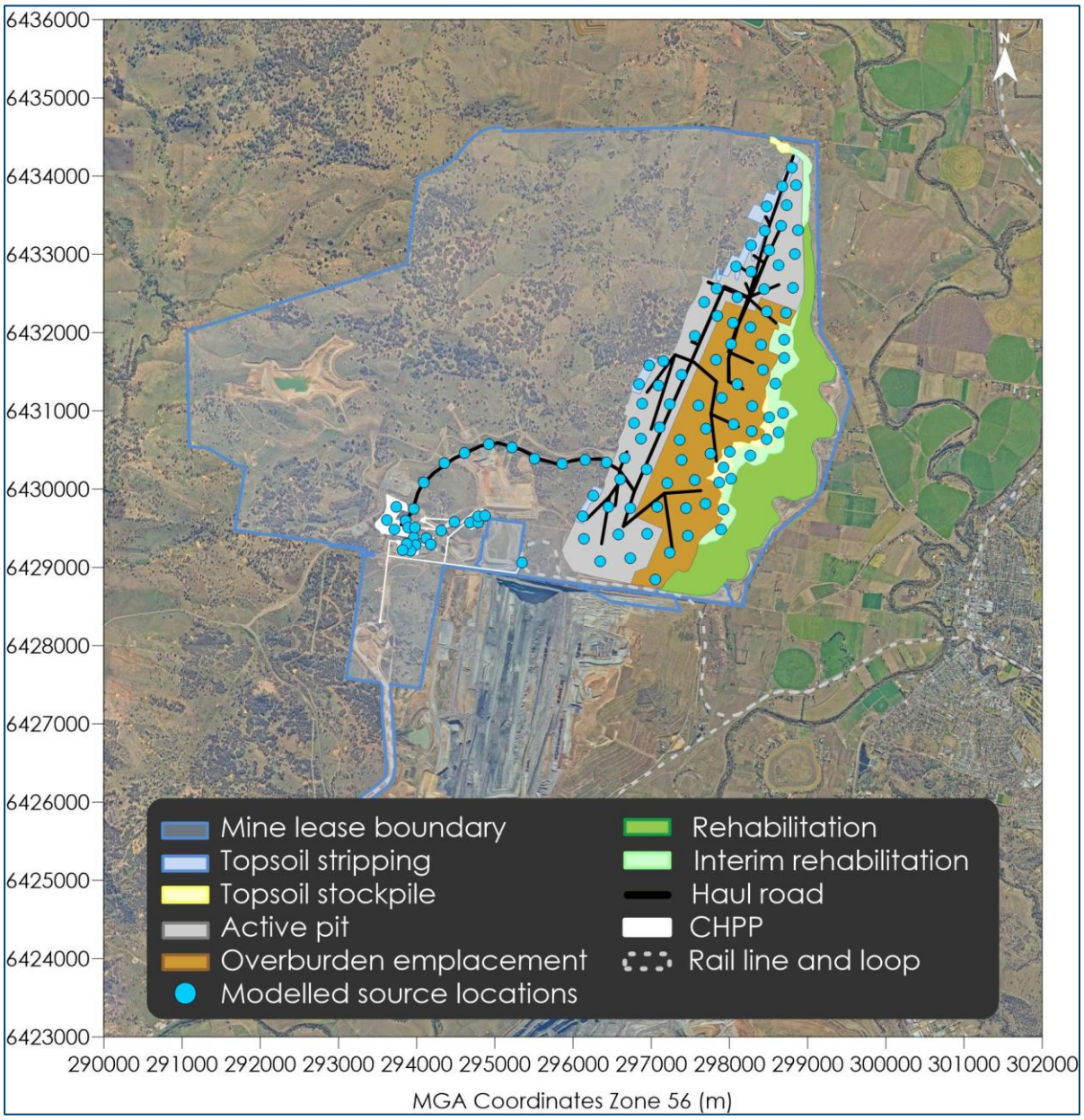


Figure 6-5: Indicative mine plan for Scenario 2

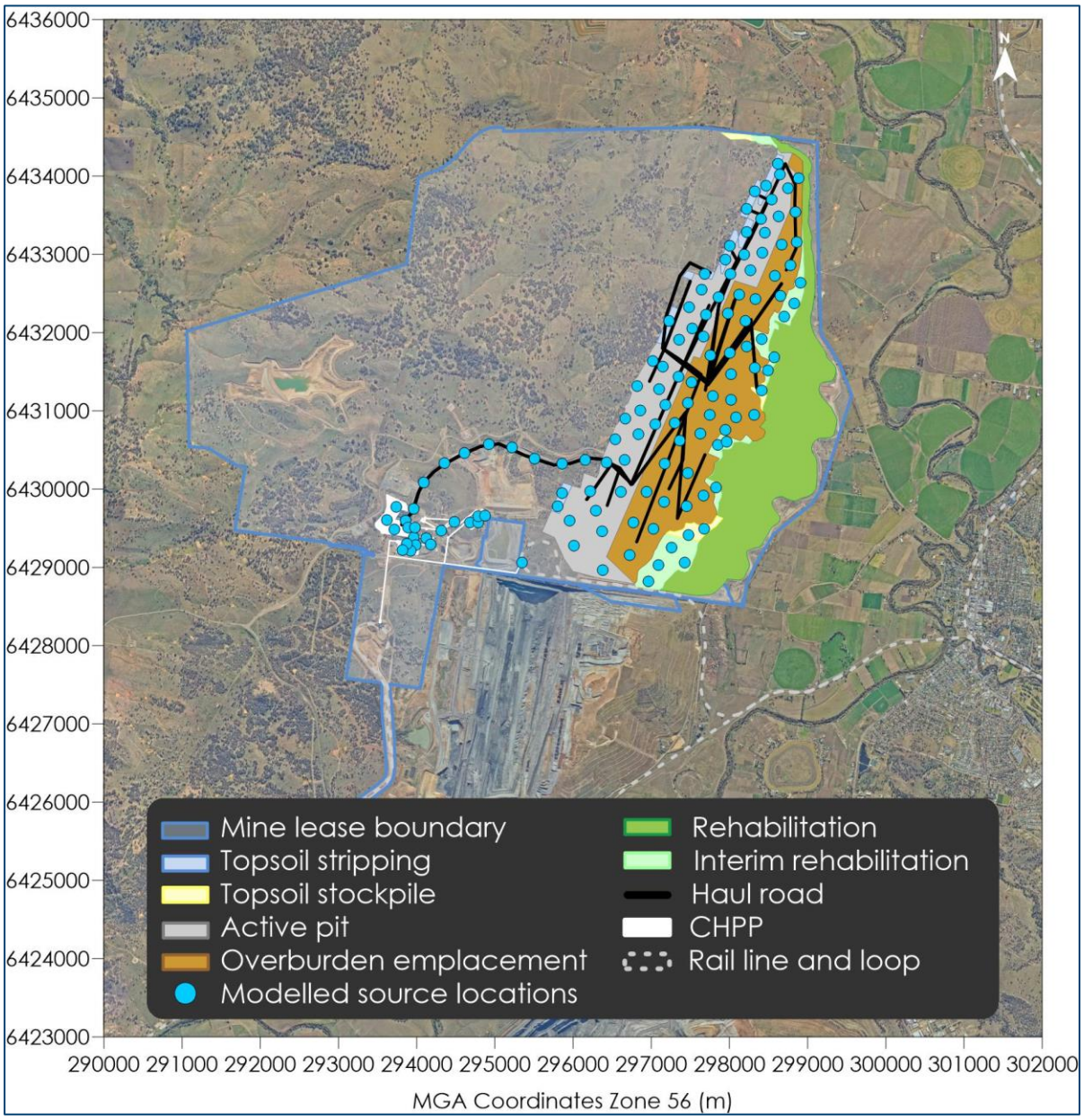


Figure 6-6: Indicative mine plan for Scenario 3

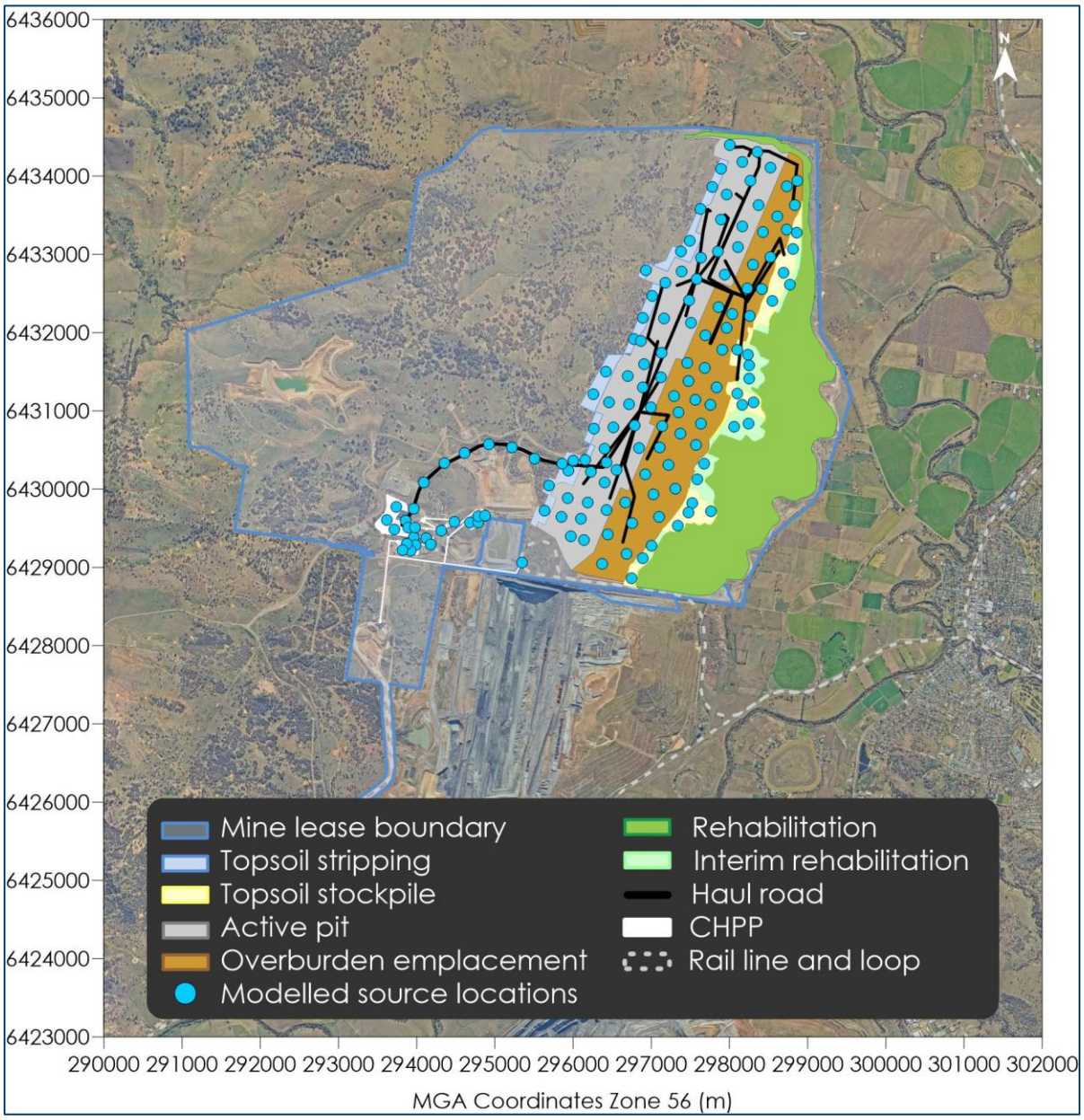


Figure 6-7: Indicative mine plan for Scenario 4

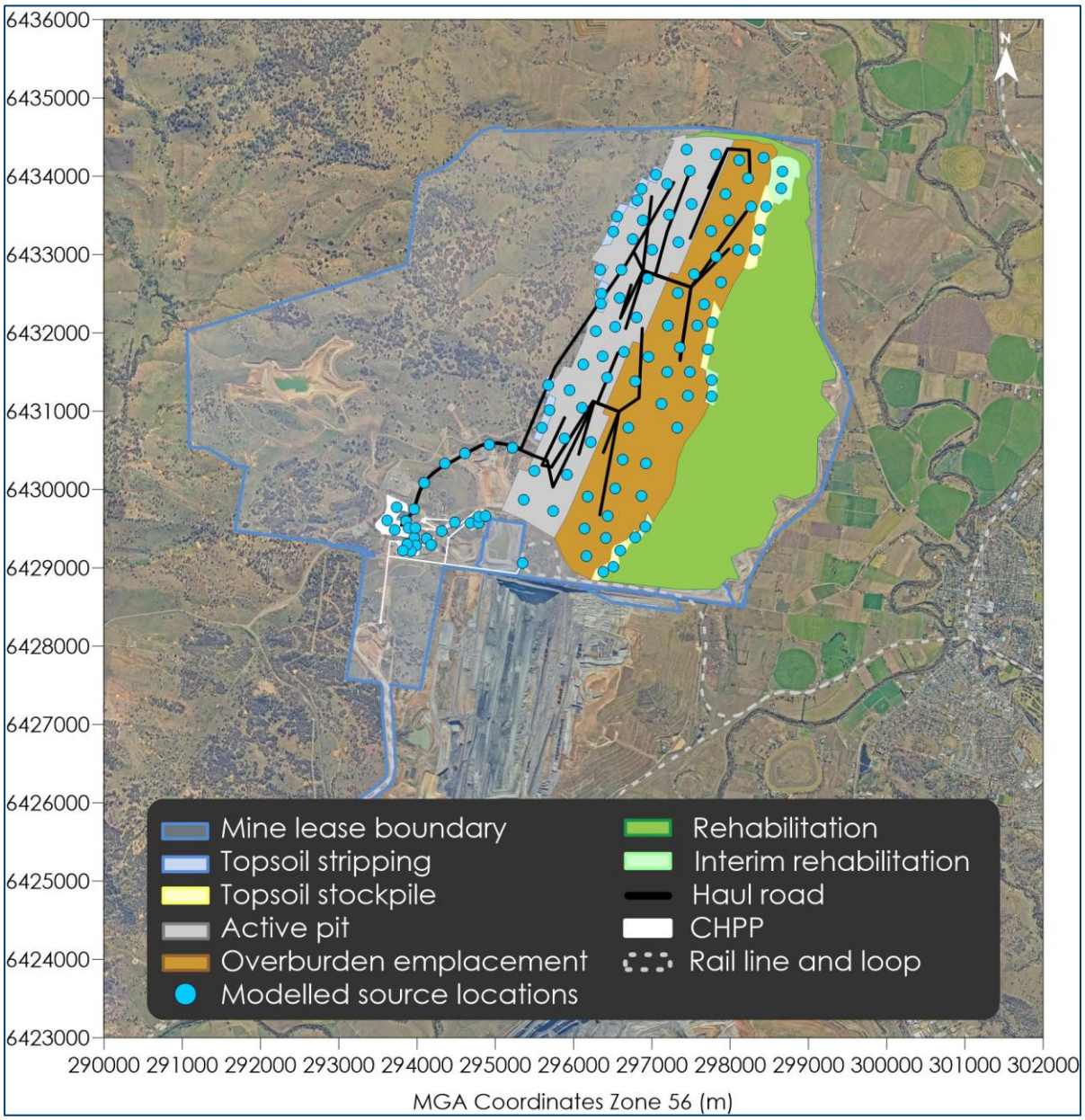


Figure 6-8: Indicative mine plan for Scenario 5

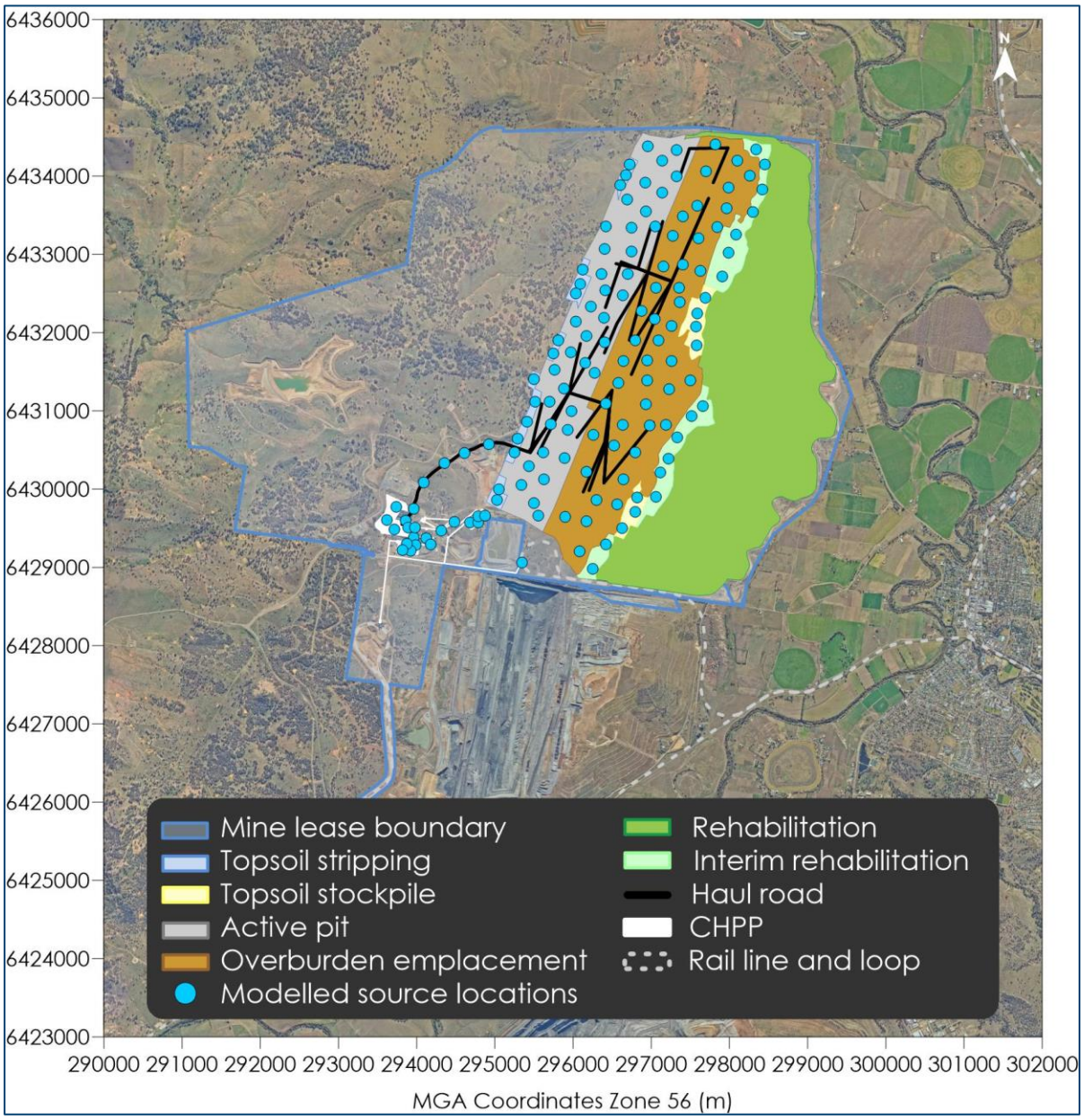


Figure 6-9: Indicative mine plan for Scenario 6

6.4.1 Emission estimation

For each of the chosen modelling scenarios, emission estimates have been calculated by analysing the various types of dust-generating activities taking place and utilising suitable emission factors.

The emission factors were sourced from both locally developed and United States Environmental Protection Agency (US EPA) developed documentation. Total TSP emissions from all significant activities for the Project are presented in **Table 6-3**. Full emission inventories for TSP, PM_{10} and $PM_{2.5}$ and associated calculations are presented in **Appendix C**.

The estimated emissions presented in **Table 6-3** are commensurate with a mining operation utilising reasonable and feasible best practice dust mitigation applied where applicable. Further details on the dust control measures applied for the Project are outlined in **Section 6.5**.

Table 6-3: Estimated emission for the Project (kg of TSP)

Activity	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6
N - Topsoil removal with dozer	8,305	9,298	5,504	4,968	6,425	258
N - Excavator loading topsoil to haul truck	517	125	161	360	287	6
N - Hauling topsoil to dump	4,426	743	1,702	2,733	1,888	37
N - Emplacing topsoil at dump	517	125	161	360	287	6
N - Drilling	3,695	4,368	4,397	5,099	5,101	4,332
N - Blasting	36,047	42,611	42,889	49,733	49,757	42,252
N - Excavator loading overburden (OB) to haul truck	41,222	50,319	48,499	80,891	109,326	83,469
N - Hauling to dump (Day)	161,665	137,480	234,612	281,146	329,557	239,904
N - Hauling to dump (Night)	68,600	182,990	318,893	276,437	390,959	273,378
N - Emplacing at dump	41,222	50,319	48,499	80,891	109,326	83,469
N - Rehandle OB	4,122	5,032	4,850	8,089	10,933	8,347
N - Dozers on OB in pit (Day)	36,144	56,450	49,097	81,621	110,162	78,882
N - Dozers on OB in pit (Night)	42,716	66,714	58,024	96,461	130,191	93,225
N - Dozers on OB working on OB (Day)	36,144	56,450	49,097	81,621	110,162	78,882
N - Dozers on OB working on OB (Night)	42,716	66,714	58,024	96,461	130,191	93,225
N - Dozers ripping/pushing/clean-up	7,860	25,096	20,451	30,170	27,590	37,357
N - Loading ROM coal to haul truck	48,239	233,772	189,224	371,560	340,914	408,839
N - Hauling ROM to hopper (Day)	11,193	58,957	44,131	79,905	64,584	73,499
N - Hauling ROM to hopper (Night)	13,228	64,299	52,155	94,433	76,326	86,863
C - Topsoil removal with dozer	996	2,972	1,617	7,376	4,396	8,681
C - Excavator loading topsoil to haul truck	62	40	47	535	196	196
C - Hauling topsoil to dump	266	195	572	3,891	1,247	1,404
C - Emplacing topsoil at dump	62	40	47	535	196	196
C - Drilling	1,635	4,601	2,970	5,524	4,463	4,848
C - Blasting	15,945	44,875	28,970	53,878	43,537	47,289
C - Excavator loading OB to haul truck	18,235	52,993	32,759	87,632	95,660	93,422
C - Hauling to dump (Day)	35,854	119,148	181,219	292,085	278,295	306,788
C - Hauling to dump (Night)	42,373	263,552	189,946	273,595	417,008	341,299
C - Emplacing at dump	18,235	52,993	32,759	87,632	95,660	93,422
C - Rehandle OB	1,823	5,299	3,276	8,763	9,566	9,342
C - Dozers on OB in pit (Day)	15,988	59,450	33,163	88,422	96,391	88,288
C - Dozers on OB in pit (Night)	18,895	70,259	39,192	104,499	113,917	104,340
C - Dozers on OB working on OB (Day)	15,988	59,450	33,163	88,422	96,391	88,288
C - Dozers on OB working on OB (Night)	18,895	70,259	39,192	104,499	113,917	104,340
C - Dozers ripping/pushing/clean-up	4,499	9,882	17,791	21,914	17,053	19,273
C - Loading ROM coal to haul truck	27,612	92,057	164,615	269,882	210,714	210,929
C - Hauling ROM to hopper (Day)	4,547	15,411	27,012	37,740	29,879	26,985
C - Hauling ROM to hopper (Night)	5,373	18,213	31,924	44,602	35,311	31,891
S - Topsoil removal with dozer	6,454	3,300	8,555	3,360	4,831	6,712
S - Excavator loading topsoil to haul truck	402	44	251	244	216	152
S - Hauling topsoil to dump	3,644	364	2,953	3,983	2,043	1,851
S - Emplacing topsoil at dump	402	44	251	244	216	152
S - Drilling	8,698	5,059	6,661	3,406	4,463	4,848
S - Blasting	84,839	49,345	64,972	33,220	43,537	47,289
S - Excavator loading OB to haul truck	97,019	58,272	73,470	54,032	95,660	93,422
S - Hauling to dump (Day)	403,122	219,944	396,665	404,698	414,834	523,081
S - Hauling to dump (Night)	437,763	285,907	468,786	478,280	444,814	646,885
S - Emplacing at dump	97,019	58,272	73,470	54,032	95,660	93,422
S - Rehandle OB	9,702	5,827	7,347	5,403	9,566	9,342
S - Dozers on OB in pit (Day)	85,068	65,372	74,376	54,519	96,391	88,288
S - Dozers on OB in pit (Night)	100,535	77,257	87,899	29,531	113,917	104,340
S - Dozers on OB working on OB (Day)	85,068	65,372	74,376	54,519	96,391	88,288
S - Dozers on OB working on OB (Night)	100,535	77,257	87,899	29,531	113,917	104,340
S - Dozers ripping/pushing/clean-up	58,685	35,236	32,448	18,728	25,934	13,948

Activity	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6
S - Loading ROM coal to haul truck	360,189	328,231	300,221	230,638	320,452	152,646
S - Hauling ROM to hopper (Day)	48,753	37,838	36,941	37,592	47,244	13,483
S - Hauling ROM to hopper (Night)	57,617	47,185	43,657	44,427	55,833	14,217
CHPP - Unloading ROM to hopper	65,406	98,109	98,109	130,812	130,812	115,862
CHPP - Rehandle ROM at hopper	87,208	130,812	130,812	174,416	174,416	154,483
CHPP - Primary crushing	28,350	28,350	28,350	28,350	28,350	28,350
CHPP - Transfer	768	768	768	768	768	768
CHPP - Conveying to secondary crusher	6	6	6	6	6	6
CHPP - Secondary crushing	28,350	28,350	28,350	28,350	28,350	28,350
CHPP - Tertiary crushing	28,350	28,350	28,350	28,350	28,350	28,350
CHPP - Transfer	768	768	768	768	768	768
CHPP - Conveying to 1000t bin	9	9	9	9	9	9
CHPP - Transfer	768	768	768	768	768	768
CHPP - Conveying to Coal Preparation Plant (CPP)	5	5	5	5	5	5
CHPP - Transfer	470	458	458	458	470	464
CHPP - Conveying to product stockpile	27	27	27	27	27	27
CHPP - Unloading to product stockpile	1,175	1,146	1,146	1,146	1,174	1,160
CHPP - Transfer	470	458	458	458	470	464
CHPP - Conveying to train load-out	80	80	80	80	80	80
CHPP - Primary crushing - Stage 2	-	14,175	14,175	28,350	28,350	21,870
CHPP - Transfer - Stage 2	-	384	384	768	768	593
CHPP - Conveying to crusher - Stage 2	-	11	11	11	11	11
CHPP - Secondary crushing - Stage 2	-	14,175	14,175	28,350	28,350	21,870
CHPP - Tertiary crushing - Stage 2	-	14,175	14,175	28,350	28,350	21,870
CHPP - Transfer - Stage 2	-	384	384	768	768	593
CHPP - Conveying to bin - Stage 2	-	14	14	14	14	14
CHPP - Transfer - Stage 2	-	384	384	768	768	593
CHPP - Conveying to CPP Modules 2A & 2B	-	17	17	17	17	17
CHPP - Transfer - Stage 2	-	290	232	580	580	447
CHPP - Conveying to product stockpile - Stage 2	-	30	30	30	30	30
CHPP - Unloading to product stockpile - Stage 2	-	580	580	1,146	1,174	911
CHPP - Transfer - Stage 2	-	232	232	458	470	365
CHPP - Conveying to train load-out - Stage 2	-	148	148	148	148	148
CHPP - Loading coal to train	1,567	2,302	2,302	3,057	3,130	2,762
CHPP - Dozers on ROM stockpiles	71,044	70,214	70,690	70,812	70,578	70,578
CHPP - Dozers on product stockpiles	54,731	54,091	54,458	54,552	54,372	54,372
OB - Loading reject to haul truck	2,916	4,777	4,587	6,419	6,301	5,422
OB - Hauling reject to dump	31,978	52,018	49,191	68,508	62,164	44,256
OB - Emplacing reject at dump	2,916	4,777	4,587	6,419	6,301	5,422
WE - Overburden emplacement areas	199,548	207,649	240,762	235,721	333,936	342,816
WE - Open pit	135,524	239,246	218,524	275,520	282,054	254,853
WE - ROM stockpiles	8,395	8,395	8,395	8,395	8,395	8,395
WE - Product stockpiles	4,324	4,324	4,324	4,324	4,324	4,324
WE - ROM stockpiles Stage 2	3,287	3,287	3,287	3,287	3,287	3,287
WE - Product stockpiles Stage 2	-	1,159	1,159	1,159	1,159	1,159
WE - Topsoil stockpiles	27,082	8,974	28,789	26,988	11,182	12,469
WE - Initial rehab	8,334	24,313	24,676	21,085	9,588	33,984
OB - Grading roads	141,606	117,899	111,148	157,584	162,560	149,010
Diesel mining equipment	6,856	6,484	6,480	7,685	9,476	8,891
Locomotive idling	515	515	515	515	515	515
Total emissions (kg/yr)	**3,836,837**	**4,640,569**	**5,122,089**	**6,273,114**	**7,157,638**	**6,696,511**

N – North Pit, C – Central Pit, S – South Pit, WE – wind erosion, kg = kilograms, kg/yr = kilograms per year

It should be noted that the production schedule for Scenario 1 has since been modified following the modelling assessment, with a reduced amount of bypass coal and hence total product coal (reduced from 8.5Mtpa to 7.8Mtpa) with a slight increase in the amount of reject material generated (1.99Mtpa to 2.7Mtpa). The revised production schedule results in a 0.34% increase to the total estimated annual TSP emissions for Scenario 1 and is not considered to be significant and would not tangibly affect the modelling predictions.

6.4.2 Emissions from other mining operations

In addition to the estimated dust emissions from the Project, emissions from all nearby approved mining operations were also modelled in accordance with their current consent (or current proposed project), to assess potential cumulative dust effects.

Emissions estimates from these sources were derived from information provided in the air quality assessments available in the public domain at the time of modelling. These estimates are likely to be conservative, as in many cases, mines do not continually operate at the maximum extraction rates assessed in their respective environmental assessments. This is evident when examining Annual Reviews for coal mines in the Hunter Valley that show that the mines' actual rates of activity are generally below the approved level of activity.

Table 6-4 summarises the emissions adopted in this assessment for each nearby mining operation.

Table 6-4: Estimated emissions from nearby mining operations (kg of TSP)

Operation	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6
Bengalla Mine[1]	8,467,765	8,729,823	9,057,226	9,384,629	9,712,032	9,712,032
Mt Arthur Coal Mine[2]	12,421,910	12,421,910	12,421,910	12,421,910	12,421,910	12,421,910
Mangoola Coal[3]	3,232,490	3,781,208	2,720,561	1,995,455	1,995,455	1,995,455
Maxwell Project[4]	353,825	353,825	353,825	353,825	353,825	353,825
Muswellbrook Coal Mine[5]	968,910	968,910	968,910	968,910	968,910	968,910
Dartbrook Mine[6]	390,111	390,111	390,111	390,111	390,111	390,111

[1] Todoroski Air Sciences (2013) [2] PAEHolmes (2013) [3] Jacobs (2019) [4] Todoroski Air Sciences (2019) [5] Todoroski Air Sciences (2016) [6] Pacific Environment Limited (2018)

It is also noted that current consents for some mining operations would expire at during the Project and the approved or proposed mine lives have been applied for the assessment of cumulative impacts. The approved/proposed period of mining for each of the nearby mining operations is outlined in **Table 6-5**.

However, a sensitivity analysis has been conducted to determine the potential worst-case cumulative dust effects if all of these operations continued until the end of the Project period. This adds considerable conservatism to the model predictions. The modelling predictions for the sensitivity analysis is presented in **Appendix D**.

Table 6-5: Extent of approved/ proposed mining period for nearby mining operations

Operation	Extent of approved/ proposed mining
Bengalla Mine	February 2039
Mt Arthur Coal Mine	June 2026
Mangoola Coal	2030
Maxwell Underground Project	2047 (assumed commencement in 2021)
Muswellbrook Coal Mine	December 2022
Dartbrook Mine	December 2027

The emission estimates for Mt Arthur Coal Mine were adjusted to account for the different meteorological conditions in this assessment compared with the conditions applied in the original assessment. The methodology applied is identical to the methodology applied in the *Cumulative Impact Assessment Mt Arthur, Bengalla and Mangoola Coal Mines* (**Todoroski Air Sciences, 2014**), a study commissioned by the Department of Planning and Infrastructure.

The adjustments made relate to a subset of the emission sources that use emission estimation equations sensitive to wind speed, such as wind erosion and the loading and emplacing of material. For these emission sources, more dust will be produced if there is a higher wind speed.

The *Cumulative Impact Assessment Mt Arthur, Bengalla and Mangoola Coal Mines* (**Todoroski Air Sciences, 2014**) identified that the *Air Quality and Greenhouse Gas Assessment Mt Arthur Coal Open Cut Modification* (**PAEHolmes, 2013**) used meteorological data collected from a monitoring station on elevated terrain (a hill). The monitoring station therefore recorded excessively high wind speeds that were not representative of the actual wind conditions in the vicinity of the emission sources at the Mt Arthur Coal Mine. Using wind speeds that correspond to those experienced at the emission source has been shown to produce more accurate dispersion predictions.

When the wind-sensitive sources were adjusted as part of the *Cumulative Impact Assessment Mt Arthur, Bengalla and Mangoola Coal Mines* (**Todoroski Air Sciences, 2014**), the dispersion modelling results correlated exceptionally well with the measured air quality data, verifying that using more representative wind speed data in the emissions calculations is necessary for an accurate assessment.

In addition to the emissions from nearby mining operations, there would be numerous smaller or more distant sources that contribute to the total background dust level. Modelling of these sources explicitly is impractical; however, the residual level of dust due to all other such non-modelled sources has been included in the cumulative results.

6.4.3 Emissions from construction activities

Dust emissions associated with construction activities are typically from a large range of different, short-duration activities and arise from a small construction area. The dust emissions can be managed effectively through commonly applied mitigation measures such as water sprays and progressive rehabilitation. As such, emissions associated with construction activities would generally be too low relative to the rest of the operational coal mine to generate any significant off-site concentrations and are impractical to model in detail in this study. These emissions would be managed per a construction management plan as necessary, on a day-by-day basis depending on the activity. The construction management plan would be prepared prior to the commencement of construction activities.

6.5 Dust mitigation and management

Consideration has been made of the possible range of mitigation measures that can be applied for the Project.

The measures applied are commensurate with those for the approved Mount Pleasant Operation, and outlined in the NSW EPA document, *NSW Coal Mining Benchmarking Study: International Best Practice Measures to Prevent and/or Minimise Emissions of Particulate Matter from Coal Mining*, prepared by Katestone Environmental (**Katestone Environmental, 2010**).

A summary of the key dust controls for the approved Mount Pleasant Operation, which would continue to be applied, is shown in **Table 6-6**. Where applicable these controls have been applied in the dust emission estimates shown in **Table 6-3**. Further specific detail on the level of control applied is set out in **Appendix C**.

Table 6-6: Dust mitigation measures applied at the Mount Pleasant Operation

Activity	Dust control
Drilling	Use of water (i.e. wet suppression) to minimise dust emissions.
Loading/ emplacing overburden material	Minimise fall height of materials where practicable.
Hauling on unsealed surfaces	Application of water and regular maintenance of unsealed surfaces.
Dozer activity	Keep travel routes and work areas moist.
Unloading ROM to hopper at CHPP	Three-sided enclosure and activation fogging sprays during unloading process.
Conveyors and transfers	Enclosures for conveyors and transfer points with application of water sprays at transfer points.
Stacking coal to stockpiles	Luffing stacker to reduce fall height of materials at stockpiles.
Wind erosion on stockpiles	Water application to stabilise surface of stockpile and vegetative wind breaks to reduce wind speed over surface of stockpile.
Wind erosion of exposed surfaces	Water application to stabilise surface of inactive exposed surfaces and primary rehabilitation on areas inactive for extended periods.

In addition to the physical mitigation measures described above, reactive operational dust mitigation strategies and management measures would be implemented per the EPL conditions, to minimise potential for dust impacts during mining operations in the surrounding environment.

Reactive dust mitigation strategies include high dust concentration alarms to alert staff of the potential for dust impacts to arise based on a rolling 24-hour average level (which is updated on an hourly basis). High dust concentration alarms trigger the implementation of dust management actions that appropriately modify any mining activities depending on weather conditions. Alarm triggers are set on a range of time intervals to ensure excessive dust levels due to the operations do not occur.

The actions can include temporarily ceasing the on-site operations, causing levels at dust monitors to reach the criterion level, or ceasing operations that are likely to have a significant off-site impact due to adverse weather conditions. For example, the reactive dust mitigation strategies would also incorporate the condition outlined in EPL 20850 requiring all dust-generating activities to cease during specific adverse conditions.

A predictive system is also utilised to supplement the reactive operational dust mitigation strategies. This system provides daily forecast meteorological and dust dispersion predictions which allows the mine operators to make proactive operational adjustments and allow for the prospect of averting any triggering of the reactive controls due to excessive dust levels.

Further detail regarding the reactive operational dust mitigation strategies and management measures and the predictive system are outlined in the *Mount Pleasant Operation Air Quality and Greenhouse Gas Management Plan* (**MACH, 2019**).

6.6 Accounting for background dust levels

To account for the contribution from other non-mining sources of particulate matter in the wider area an allowance has been added to the modelling predictions to fully assess the total potential impact.

The contribution to the prevailing annual average background dust level of other non-modelled dust sources was estimated by modelling the past (known) mining activities (including Bengalla Mine, Mt Arthur Coal Mine, Mangoola Coal, Muswellbrook Coal Mine and the former Drayton Mine [now Maxwell Infrastructure]) during 2012 to 2015 and comparing model predictions with the actual measured data from the corresponding monitoring stations.

The average difference between the measured and predicted PM_{10}, TSP and deposited dust levels from each of the monitoring points was considered to be the contribution from other non-modelled dust sources, and was added to the future predicted values to account for the background dust levels (not explicitly in the model and arising from numerous small or distant, non-modelled dust sources).

Due to the high density of available PM_{10} monitors in the central area of the modelling domain, and the presence of Muswellbrook, a large but unmodelled source of emissions, it is possible to apply various spatially varying background levels to account for the variation in the background dust level in the central modelling domain. This provides a more realistic representation of background dust levels in this area than adding a constant level across the domain. **Figure 6-10** presents the spatially varying background levels for PM_{10} applied in the assessment.

Local anthropogenic sources occurring during the colder months, i.e. wood heater emissions (**Todoroski Air Sciences, 2014**), appear to be significantly influencing $PM_{2.5}$ levels at the UHAQMN Muswellbrook monitor and, to a lesser extent, the Mount Pleasant Operation Palas Fidas monitors A-PF2, A-PF4 and A-PF5. As such, the $PM_{2.5}$ contribution from non-modelled dust sources has been sourced from the cumulative impact assessment of Mt Arthur Coal Mine, Bengalla Mine and Mangoola Coal (**Todoroski Air Sciences, 2014**) based on monitoring data from other stations less influenced by wood heater emissions.

Thus, the annual average $PM_{2.5}$ level taken to account for non-modelled other sources applied in this assessment is 2.9µg/m³. Using this level in the assessment would not represent the already elevated levels recorded within Muswellbrook, but may reasonably represent the levels at the nearest, potentially most-affected locations around the Mount Pleasant Operation which are of primary relevance to the assessment.

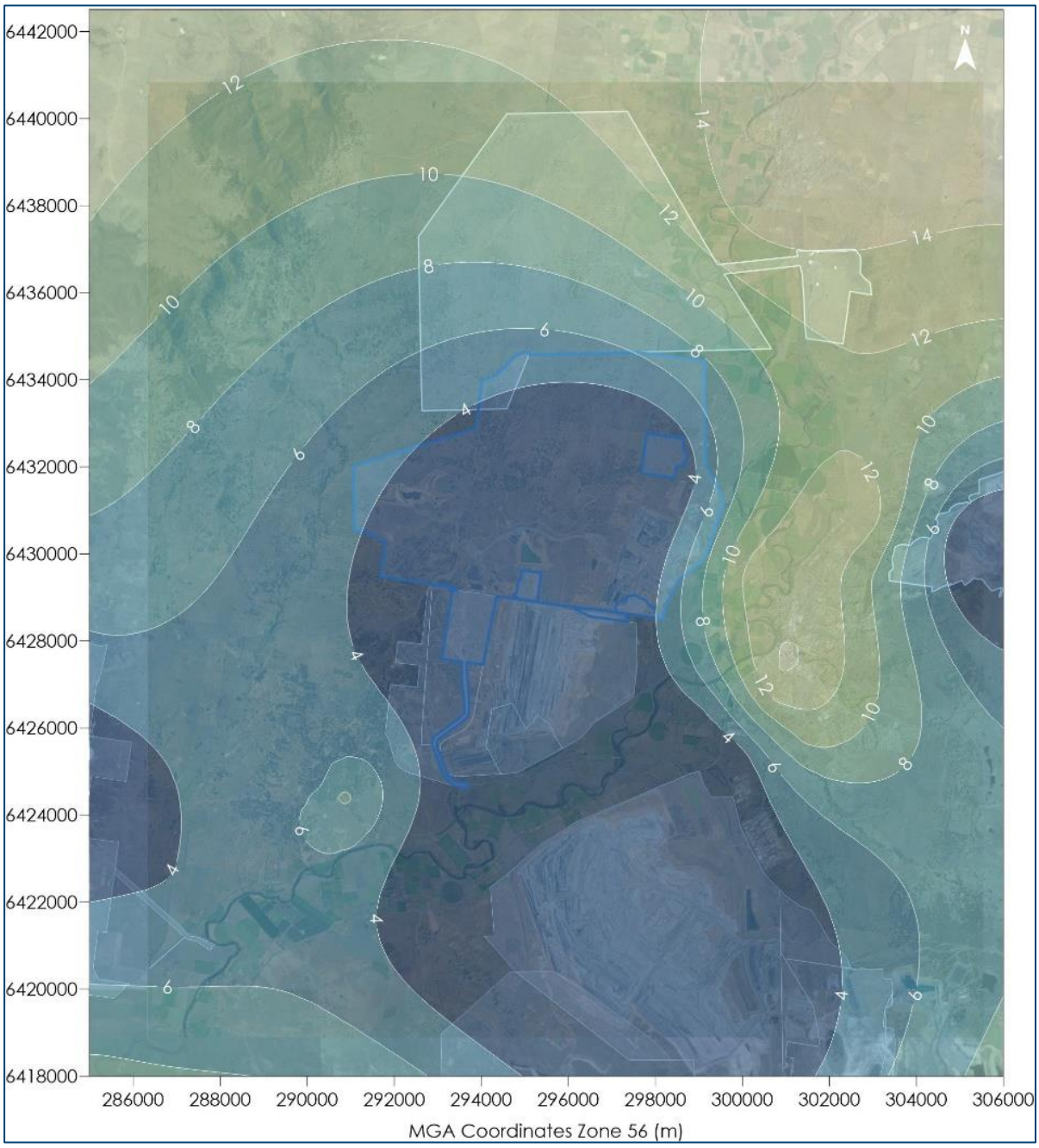


Figure 6-10: Spatially varying background level (due to non-modelled sources) for PM_{10}

For those receivers located close to the edge of Muswellbrook, a separate analysis of cumulative annual average $PM_{2.5}$ levels has been considered based on the measured levels in Muswellbrook. The measured annual average $PM_{2.5}$ level at the Muswellbrook monitor during 2015 was 8.7µg/m³ (**Table 5-5**). As noted, the ambient $PM_{2.5}$ levels would be governed by non-mining background sources such as wood heaters (as evidenced by the wintertime peak), which would be more concentrated in the vicinity of the Muswellbrook monitor than at the edge of Muswellbrook. The *Upper Hunter Valley Particle Characterization Study* (**CSIRO, 2013**) identified the composition of $PM_{2.5}$ in Muswellbrook to be comprised of 30% wood smoke. Excluding the contribution of wood smoke from the measured annual average level provides an estimated background level of 6.1µg/m³. It is noted this level is consistent with annual average background levels recorded at APF2, the Mount Pleasant Operation monitor located on the outskirts of Muswellbrook, in years not heavily influenced by bushfires (**Table 5-6**). After removing the contribution from modelled sources, the estimated contribution from non-modelled dust sources at the edge of Muswellbrook would be approximately 5.4µg/m³. This background annual average $PM_{2.5}$ level is therefore considered representative of background at the edge of Muswellbrook (i.e. within approximately 700m of built-up areas in Muswellbrook, from Dalwood Place in the south to Lonhro Place in the north) and has been applied for modelled receivers located close to the edge of Muswellbrook to determine potential cumulative annual average $PM_{2.5}$ impacts.

The estimated annual average contribution from other non-modelled dust sources applied in the assessment is presented in **Table 6-7**.

Table 6-7: Estimated contribution from other non-modelled dust sources

Dust metric	Averaging period	Unit	Estimated contribution
TSP	Annual	µg/m³	34.8
PM_{10}	Annual	µg/m³	Variable grid
$PM_{2.5}$	Annual	µg/m³	2.9
$PM_{2.5}$ (edge of Muswellbrook)	Annual	µg/m³	5.4
Dust deposition	Annual	g/m²/month	1.9

It is important that the above values are not confused with measured background levels, background levels excluding only the Mount Pleasant Operation, or the change in existing levels as a result of the Project. The values above are not background levels in that sense, but are the residual amount of the background dust that is not accounted for directly in the air dispersion modelling of the Project and other local mining operations.

7 DISPERSION MODELLING RESULTS

The dispersion modelling predictions for each of the assessed scenarios are presented in this section. The results presented include those for the operation in isolation (incremental impact) and the operation with other sources and background levels (total [cumulative] impact).

Each of the receivers of relevance to this study shown in **Figure 2-1** and detailed in **Appendix A**, were assessed individually as discrete receptors with the predicted results presented in tabular form for each of the assessed years in **Appendix D**. Associated isopleth diagrams of the dispersion modelling results are presented in **Appendix E**.

7.1 Summary of modelling results

7.1.1 Cumulative annual average impacts

The predicted cumulative impacts considering the extent of the approved/ proposed period of mining for each of the nearby mining operations (refer to **Table 6-5**) are summarised in **Table 7-1**.

The privately-owned receptors where impacts are predicted to exceed relevant assessment criteria are presented for each scenario. Four receptors are predicted to experience cumulative annual average PM_{10} levels above 25µg/m^3 in Scenario 1. Only one receptor, Receptor 43, is predicted to experience cumulative impacts in Scenario 2, 3 and 4. There are no receptors predicted to experience cumulative impacts in Scenario 5 and 6.

The results in **Table 7-1** indicate the Project is predicted to contribute approximately 1% to 2% to the predicted cumulative level at the receptors that are predicted to experience exceedances of the relevant criteria. Given the predicted exceedances would occur with or without the Project at each receiver, it is considered that the Project would not contribute to an exceedance of the relevant cumulative annual average criteria at any of the receivers.

The predicted cumulative annual average impacts in each scenario, if other nearby mining operations were to continue as described in **Table 6-4**, are summarised in **Appendix D** for context. For brevity, the full set of results for this sensitivity analysis are not presented.

Table 7-1: Summary of modelling results where residential receptors are predicted to exceed criteria (µg/m^3)

Dust metric	Receptor ID	Project-only annual ave. (µg/m^3)	Other mines + background (µg/m^3)	Cumulative annual ave. (µg/m^3)	Criteria (µg/m^3)
Scenario 1					
PM_{10}	43	1	34	35	**25**
	487	<1	27	28	**25**
	488a	<1	44	44	**25**
	488b	<1	35	35	**25**
Scenario 2					
PM_{10}	43	1	32	33	**25**
Scenario 3					
PM_{10}	43	1	42	43	**25**
TSP		2	93	95	**90**
Scenario 4					
PM_{10}	43	1	63	64	**25**
TSP		2	126	128	**90**
$PM_{2.5}$		<1	8	8	**8**
DD		<1 g/m^2/month	4.3 g/m^2/month	4.3 g/m^2/month	**4 g/m^2/month**

7.1.2 Project-only 24-hour average impacts

The privately-owned receptors where Project-only 24-hour average impacts are predicted to exceed relevant assessment criteria are presented for each scenario.

No privately-owned receptors are predicted to exceed the relevant Project-only criterion for $PM_{2.5}$ in any scenario, and no privately-owned receptors are predicted to exceed the relevant Project-only criterion for PM_{10} in scenarios 1 and 2.

Table 7-2 summarises the privately-owned receptors where maximum 24-hour average PM_{10} impacts are predicted to exceed the relevant assessment criterion in Scenario 3 for the Project alone. Five receptors are predicted to experience incremental 24-hour average PM_{10} levels above 50µg/m³.

Table 7-2: Summary of modelling results where maximum 24-hour average PM_{10} predictions exceed criteria at residential receptors – Scenario 3

Receptor ID	24-hour ave. PM_{10} – Project alone (µg/m³)	No. days >50µg/m³	Criterion (µg/m³)
143b	56	2	50
147	67	2	50
156a	69	5	50
157a	74	6	50
159	64	2	50

Table 7-3 summarises the privately-owned receptors where maximum 24-hour average PM_{10} impacts are predicted to exceed relevant assessment criterion in Scenario 4 for the Project alone. Seven receptors are predicted to experience incremental 24-hour average PM_{10} levels above 50µg/m³.

Table 7-3: Summary of modelling results where maximum 24-hour average PM_{10} predictions exceed criteria at residential receptors – Scenario 4

Receptor ID	24-hour ave. PM_{10} – Project alone (µg/m³)	No. days >50µg/m³	Criterion (µg/m³)
143b	70	2	50
147	74	2	50
154	93	19	50
154b	91	19	50
156a	104	12	50
157a	97	10	50
159	79	3	50

Table 7-4 summarises the privately-owned receptors where maximum 24-hour average PM_{10} impacts are predicted to exceed relevant assessment criterion in Scenario 5 for the Project alone. Five receptors are predicted to experience incremental 24-hour average PM_{10} levels above 50µg/m³.

Table 7-4: Summary of modelling results where maximum 24-hour average PM_{10} predictions exceed criteria at residential receptors – Scenario 5

Receptor ID	24-hour ave. PM_{10} – Project alone (µg/m³)	No. days >50µg/m³	Criterion (µg/m³)
154	100	14	50
154b	100	14	50
156a	76	5	50
157a	64	1	50
159	51	1	50

Table 7-5 summarises the privately-owned receptors where maximum 24-hour average PM_{10} impacts are predicted to exceed the relevant assessment criterion in Scenario 6 for the Project alone. Three receptors are predicted to experience incremental 24-hour average PM_{10} levels above 50µg/m³.

Table 7-5: Summary of modelling results where maximum 24-hour average PM_{10} predictions exceed criteria at residential receptors – Scenario 6

Receptor ID	24-hour ave. PM_{10} – Project alone (µg/m³)	No. days >50µg/m³	Criterion (µg/m³)
153a	60	1	50
154	63	2	50
154b	64	2	50

In summary, eight privately-owned receptors are predicted to exceed the Project-only 24-hour average PM_{10} assessment criterion, namely Receptors 143b, 147, 153a, 154, 154b, 156a, 157a and 159. It is noted that Receptors 154/154b currently have mitigation upon request rights in Development Consent DA 92/97 for potential noise impacts, and all of the other receptors currently have acquisition upon request rights in Development Consent DA 92/97 for potential noise impacts.

7.1.3 Other assessed receptors

The modelling results also indicate predicted levels will exceed relevant assessment criteria at several mine-owned properties surrounding the Project. The predicted levels are detailed in **Appendix D**.

Several commercial premises located within the Project boundary and located to the south of Bengalla Mine and north of Mt Arthur Coal Mine are also predicted to exceed relevant assessment criteria. It is anticipated the commercial premises located within the Project boundary would cease to operate in the future as these are positioned in the path of the mining progression.

Heritage properties are also predicted to exceed the relevant assessment criteria. A number of these are located to the south of Bengalla Mine and north of Mt Arthur Coal Mine and are not significantly affected by the Project. Three historic heritage properties adjacent the Bengalla Mine, namely H3 (Stables), H4-H9 (Bengalla Homestead) and H10 (Overdene), are predicted to exceed the relevant assessment criteria and would have some influence from the Project. The predicted annual average impacts are summarised in **Table 7-6**.

The results in **Table 7-6** indicate the Project is predicted to contribute approximately 29% to 59% to the predicted cumulative level at the selected historic heritage properties. The historic heritage properties are not predicted to experience cumulative impacts in Scenario 5 and 6.

A review of the *Bengalla Mine Historic Heritage Management Plan* (**Bengalla Mining Company, 2017**) indicates these properties are of local significance, are known to have potential dust impacts and are not inhabited. Further, mitigation and management measures are in place for these properties (**Bengalla Mining Company, 2017**).

Table 7-6: Summary of modelling results for selected heritage properties receptors predicted to exceed criteria (µg/m³)

Dust metric	Receptor ID	Project-only annual ave. (µg/m³)	Other mines + background (µg/m³)	Cumulative annual ave. (µg/m³)	Criteria (µg/m³)
Scenario 1					
PM_{10}	H3	9	27	36	25
	H4-H9	11	25	36	25
	H10	21	17	38	25
TSP	H9	25	66	91	90
	H10	45	54	99	90
$PM_{2.5}$	H10	4	5	9	8
Scenario 2					
PM_{10}	H4-H9	11	18	29	25
	H10	19	13	32	25
TSP	H10	43	48	91	90
Scenario 3					
PM_{10}	H4-H9	13	17	30	25
	H10	18	13	31	25
Scenario 4					
PM_{10}	H4-H9	13	16	29	25
	H10	19	13	32	25
TSP	H10	43	48	91	90

7.1.4 Consideration of background $PM_{2.5}$ level for Muswellbrook receivers

For those receivers located close to the edge of Muswellbrook a separate analysis of cumulative annual average $PM_{2.5}$ levels has been considered based on the measured levels in Muswellbrook. A background annual average $PM_{2.5}$ level of 5.4µg/m³ (refer to **Section 6.6**) has been applied to receivers located on the edge of Muswellbrook (i.e. within approximately 700m of built-up areas in Muswellbrook, from Dalwood Place in the south to Lonhro Place in the north) to determine the potential for cumulative annual average impacts to arise.

Table 7-7 presents the predicted incremental contribution, the other mines including background contribution and the cumulative annual average level for Scenario 1 and Scenario 4 (the scenarios with the highest cumulative $PM_{2.5}$ impacts on the edge of Muswellbrook) for a selection of receivers and the maximum cumulative level of all receivers on the edge of Muswellbrook (343 receivers in total). A similar incremental contribution would apply for the other scenarios as inferred from the contour plots in **Appendix E**.

The results in **Table 7-7** indicate the predicted cumulative annual average levels would be below the relevant criterion of 8µg/m³.

Table 7-7: Annual average $PM_{2.5}$ modelling predictions for selected Muswellbrook receivers

Receptor ID	Project-only annual ave. (µg/m³)	Other mines + background (µg/m³)	Cumulative annual ave. (µg/m³)	Criterion (µg/m³)
Scenario 1				
224	1.2	6.5	7.7	8
289	0.8	5.8	6.7	8
611	0.6	6.0	6.6	8
819	0.5	5.7	6.2	8
Max. of 343 receivers	-	-	7.7	8
Scenario 4				
224	1.4	6.2	7.6	8
289	1.1	5.7	6.8	8
611	0.8	5.8	6.6	8
819	0.7	5.6	6.3	8
Max. of 343 receivers	-	-	7.6	8

7.2 Assessment of 24-hour average $PM_{2.5}$ and PM_{10} concentrations

It is important to note that when assessing impacts per the maximum 24-hour average $PM_{2.5}$ and PM_{10} criteria, the predictions show the highest predicted 24-hour average concentrations that were modelled at each point within the modelling domain for the worst day (a 24-hour period). When assessing the total (cumulative) 24-hour average impacts based on model predictions, challenges arise with identification and quantification of emissions from non-modelled sources over the 365 separate 24-hour periods modelled in the year.

Due to these factors, an assessment of cumulative 24-hour average $PM_{2.5}$ and PM_{10} impacts was undertaken in accordance with Section 11.2 of the *Approved Methods for the Modelling and Assessment of Air Pollutants in New South Wales* (**NSW EPA**, **2017**). The "Level 2 assessment - Contemporaneous impact and background approach" was applied to assess potential impacts.

The analysis has focussed on the privately-owned receivers at which the data required to conduct this assessment are available, and represent the closest and most likely impacted privately-owned receiver locations surrounding the Project.

There are three surrounding PM_{10} monitoring stations which are part of the UHAQMN where suitable ambient monitoring data are available (note contemporaneous data was not available from the Mount Pleasant Operation Palas Fidas monitors). Only the Muswellbrook $PM_{2.5}$ monitoring station, which is part of the UHAQMN, has $PM_{2.5}$ data available for use in this assessment. The assessment of cumulative impacts uses the monitoring data from the closest monitor. For the privately-owned receivers located to the west of the Project, it has been assumed the measured levels at Aberdeen best represent the background levels experienced at these locations.

Figure 7-1 shows the location of each of these monitors in relation to the Project and assessed receiver locations.

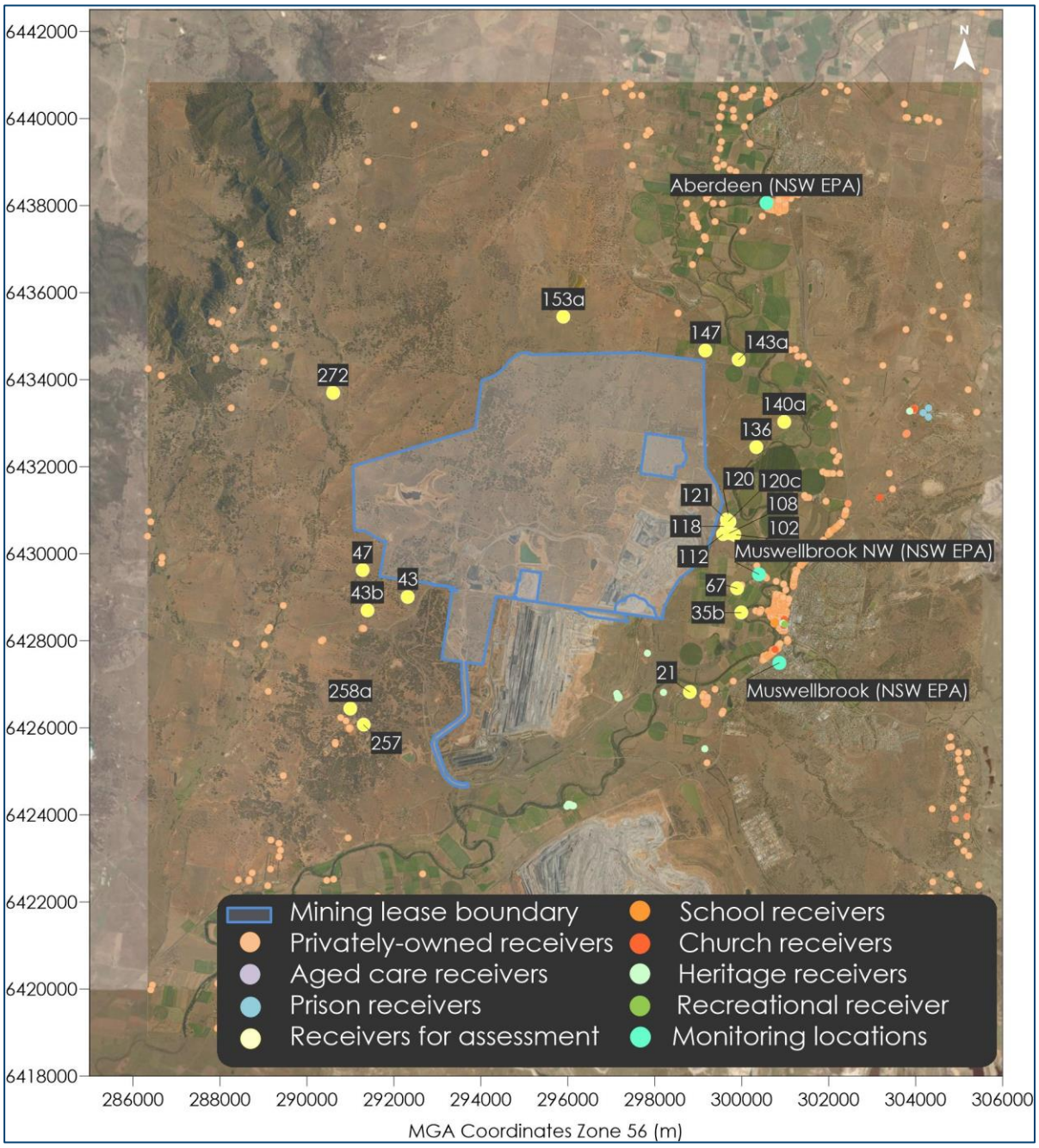


Figure 7-1: Locations available for contemporaneous cumulative impact assessment

7.2.1 Impacts without implementation of predictive/ reactive measures.

Table 7-8 provides a summary of the contemporaneous assessment at each assessed receiver location. The results in **Table 7-8** indicate that for the assessed sensitive receptors, potential cumulative 24-hour average $PM_{2.5}$ and PM_{10} impacts may occur without proactive/ reactive mitigation.

Detailed tables of the full assessment results are provided in **Appendix F** and **Appendix G**.

Table 7-8: NSW EPA contemporaneous assessment - maximum number of additional days in a year above 24-hour average criterion depending on background level at monitoring sites

Receptor ID	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6
	$PM_{2.5}$ analysis					
21	**5**	**5**	**5**	**8**	**10**	**7**
35b	**1**	**2**	**2**	**4**	**6**	**4**
43	0	**1**	**1**	**1**	**1**	**1**
43b	0	0	0	0	**1**	**1**
47	0	0	0	0	0	**1**
67	**1**	**3**	**3**	**5**	**6**	**5**
102	**4**	**7**	**5**	**10**	**11**	**6**
108	**4**	**8**	**7**	**10**	**13**	**7**
112	**8**	**9**	**8**	**10**	**13**	**7**
118	**7**	**8**	**8**	**10**	**13**	**7**
120	**6**	**8**	**8**	**10**	**13**	**7**
120c	**7**	**8**	**9**	**10**	**13**	**7**
121	**8**	**9**	**10**	**12**	**13**	**7**
136	**1**	**3**	**3**	**7**	**6**	**3**
140a	**1**	**1**	**1**	**1**	**2**	**2**
143a	**1**	**1**	**1**	**1**	**1**	**1**
147	**2**	**4**	**5**	**6**	**5**	**1**
153a	**1**	**1**	**1**	**2**	**7**	**8**
257	0	0	**1**	**1**	**1**	**1**
258a	0	0	0	**1**	**1**	**1**
272	0	0	0	0	0	0
	PM_{10} analysis					
21	0	0	0	**1**	**2**	0
35b	0	0	0	0	**1**	0
43	0	0	0	0	0	0
43b	0	0	0	0	0	0
47	0	0	0	0	0	0
67	**1**	0	0	**1**	**1**	**1**
102	**1**	**2**	**2**	**2**	**3**	**1**
108	**1**	**2**	**2**	**2**	**4**	**1**
112	**2**	**3**	**3**	**5**	**6**	**1**
118	**2**	**3**	**2**	**5**	**6**	**1**
102	**2**	**3**	**2**	**4**	**6**	**1**
108	**2**	**3**	**3**	**5**	**6**	**1**
121	**2**	**3**	**4**	**8**	**6**	**1**
136	0	**1**	0	**1**	**1**	**1**
140a	0	0	0	0	0	0
143a	0	**1**	**1**	**1**	**2**	**1**
147	**2**	**6**	**12**	**13**	**10**	**2**
153a	**1**	**1**	**1**	**1**	**4**	**14**
257	0	0	0	0	0	0
258a	0	0	0	0	0	0
272	0	0	0	0	0	0

Further analysis of the predicted cumulative PM_{10} and $PM_{2.5}$ impacts at Receptor 147 (where some exceedances are predicted without the implementation of predictive/ reactive measures) is presented in **Figure 7-2**. The figure shows time series plots of the 24-hour average concentrations predicted to be experienced as a result of the Mount Pleasant Operation incorporating the Project. The blue bars represent the existing ambient background level at the monitoring location and the orange bars represent the predicted incremental contribution due to the Project.

7.2.2 Impacts with adoption of predictive/ reactive measures

To demonstrate the effectiveness of the implementation of predictive/ reactive measures at the Project, the dispersion modelling was re-run to consider the effects of temporarily pausing activities in the pit and overburden areas during periods of elevated dust. These periods tend to occur under similar conditions per the real-time response trigger levels in *Mount Pleasant Operation Air Quality and Greenhouse Gas Management Plan* (**MACH, 2019**) for the different locations assessed.

Only the activities that can be controlled in the pit and overburden areas were ceased in the model, and dust from other sources such as wind erosion was still assumed for the purpose of the revised modelling.

Table 7-9 outlines the maximum number of additional days in a year predicted to exceed the 24-hour criterion with the implementation of reactive measures.

Table 7-9: Number of additional days in a year above 24-hour average criterion on background level at monitoring sites with implementation of reactive measures

Receptor ID	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6
	$PM_{2.5}$ analysis					
21	0	0	0	0	0	0
35b	0	0	0	0	0	0
43	0	0	0	0	0	0
43b	0	0	0	0	0	0
47	0	0	0	0	0	0
67	0	0	0	0	0	0
102	0	0	0	0	0	0
108	0	0	0	0	0	0
112	0	0	**1**	0	0	0
118	0	0	**1**	0	0	0
120	0	0	**1**	**1**	0	0
120c	0	0	**1**	**1**	0	0
121	0	0	**1**	**1**	0	0
136	0	0	0	0	0	0
140a	0	0	0	0	0	0
143a	0	0	0	0	0	0
147	0	0	0	0	0	0
153a	0	0	0	0	0	0
257	0	0	0	0	0	0
258a	0	0	0	0	0	0
272	0	0	0	0	0	0
	PM_{10} analysis					
21	0	0	0	0	0	0
35b	0	0	0	0	0	0
43	0	0	0	0	0	0
43b	0	0	0	0	0	0

Receptor ID	Scenario 1	Scenario 2	Scenario 3	Scenario 4	Scenario 5	Scenario 6
	$PM_{2.5}$ analysis					
47	0	0	0	0	0	0
67	0	0	0	0	0	0
102	0	0	0	0	0	0
108	0	0	0	0	0	0
112	0	0	0	0	0	0
118	0	0	0	0	0	0
120	0	0	0	0	0	0
120c	0	0	0	0	0	0
121	0	0	0	0	0	0
136	0	0	0	0	0	0
140a	0	0	0	0	0	0
143a	0	0	0	0	0	0
147	0	0	0	0	0	0
153a	0	0	0	0	0	0
257	0	0	0	0	0	0
258a	0	0	0	0	0	0
272	0	0	0	0	0	0

The results indicate that all of the predicted additional exceedance days due to the Project can be prevented using the reactive controls, with the exception of one additional day for $PM_{2.5}$ at Receptors 112, 118, 120, 120c and 121 in Scenario 3 and one additional day for $PM_{2.5}$ at Receptors 120, 120c and 121 in Scenario 4. It is noted that Receptors 112, 118, 120, 120c and 121 currently have acquisition upon request rights in Development Consent DA 92/97 for potential noise impacts.

Analysis of the predicted cumulative PM_{10} and $PM_{2.5}$ impacts at Receptor 147, with the adoption of predictive/reactive mitigation measures, is presented in **Figure 7-3**.

Overall, the reactive controls would be effective at reducing the incremental contribution of the Project to cumulative levels.

While the modelling methodology is inherently conservative, the effectiveness of these measures would be further enhanced on a case-by-case basis as required.

Enhancements include using the real-time/ predictive management system for pre-planning of temporary cessation of dust-generating activities, increased watering or re-scheduling of certain activities. Through such measures, the potential impacts in the surrounding environment could be further minimised.

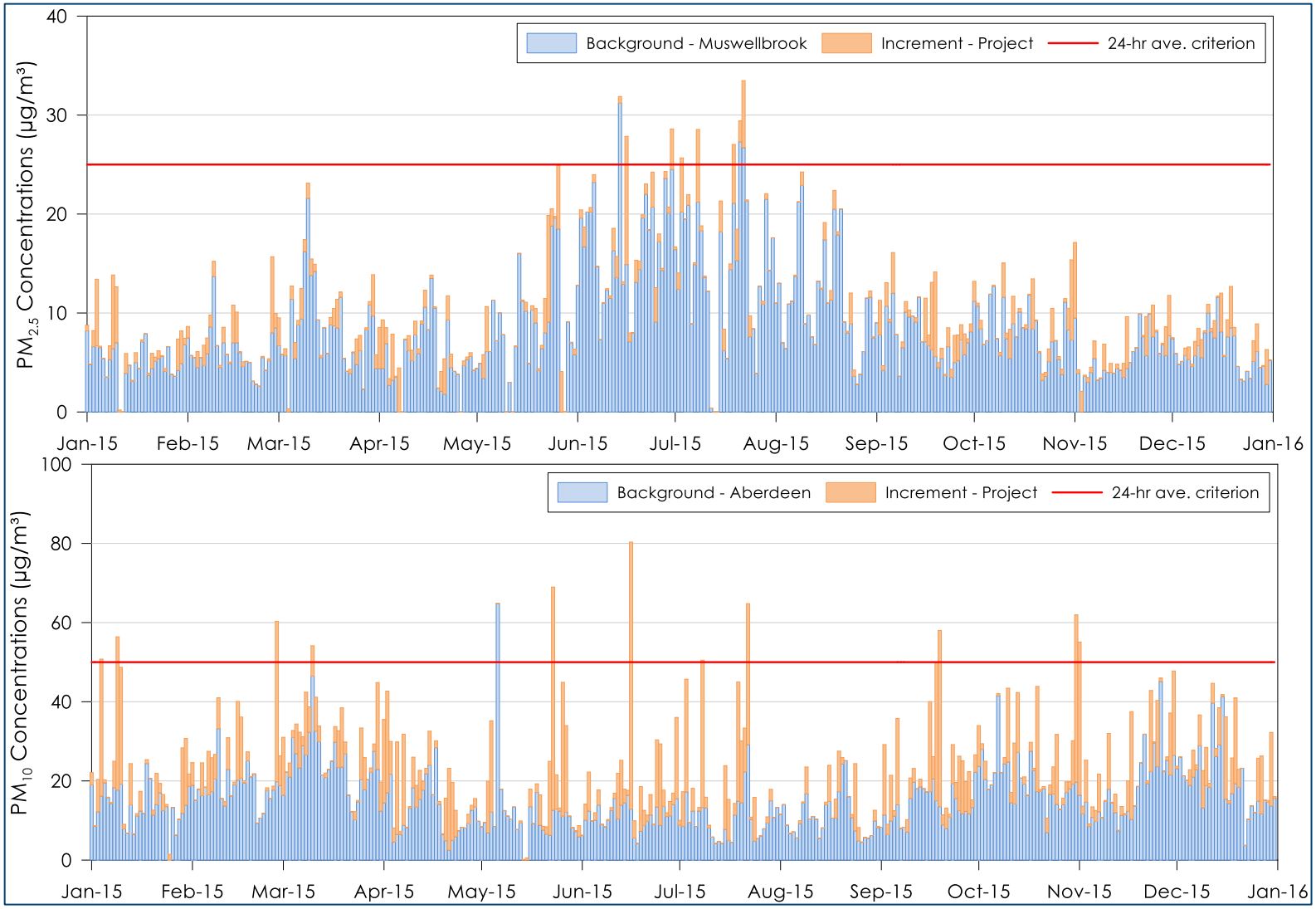


Figure 7-2: Predicted 24-hour average PM_{10} and $PM_{2.5}$ concentrations for receptor location 147 during Scenario 3 (without predictive/reactive mitigation)

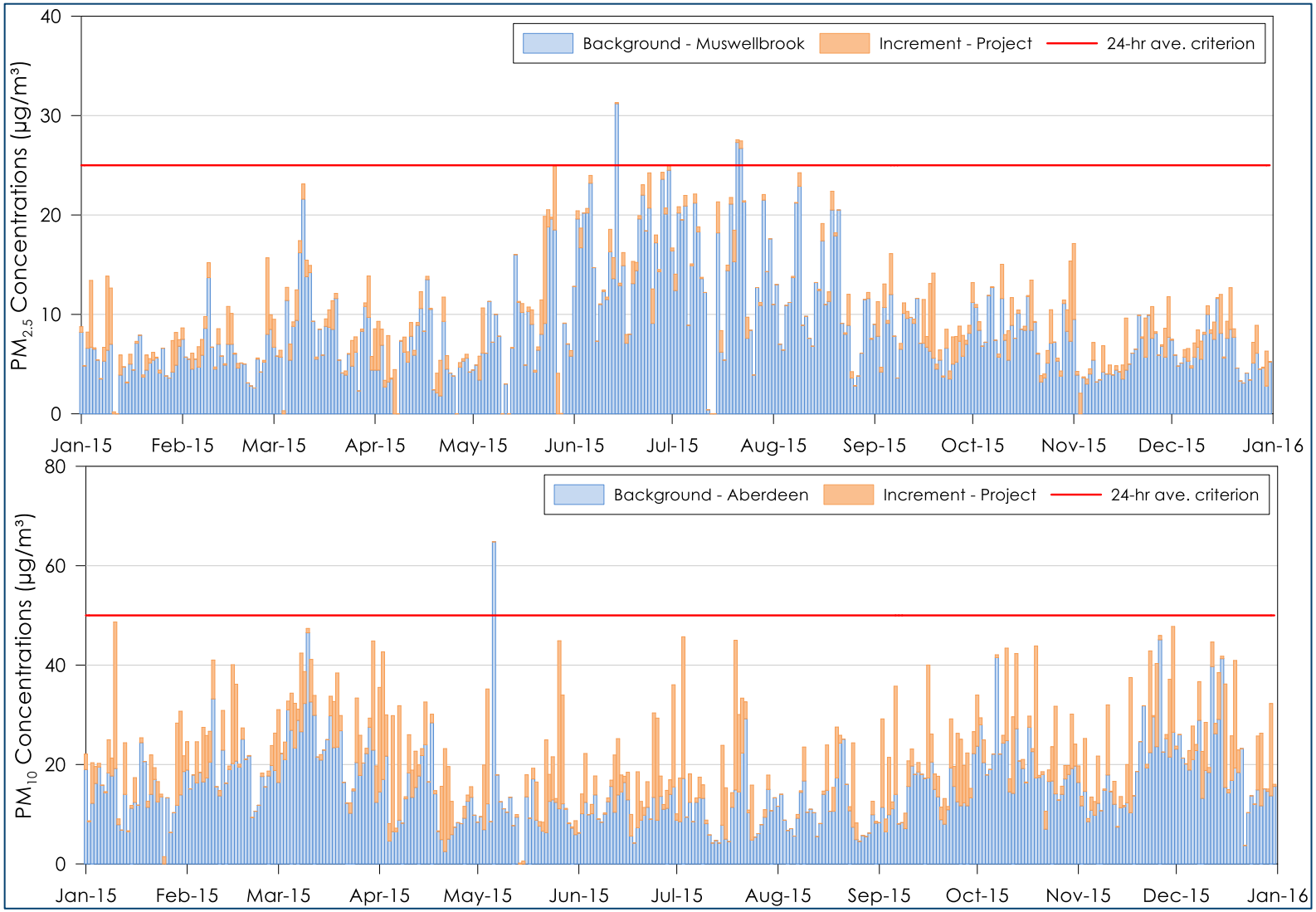


Figure 7-3: Predicted 24-hour average PM_{10} and $PM_{2.5}$ concentrations for receptor location 147 during Scenario 3 (with predictive/reactive mitigation)

7.3 Dust impacts on more than 25 per cent of privately-owned land

The potential impacts due to the Project, extending over more than 25% of any privately-owned land, have been evaluated using the predicted pollutant dispersion contours.

The 6th highest 24-hour average PM_{10} levels were found to have the greatest extent of any of the other assessed dust metrics relevant to the application of acquisition upon request rights on vacant land in accordance with the VLAMP. **Figure 7-4** presents the extent of the 6th highest 24-hour average PM_{10} level (50µg/m^3) due to the Project in isolation. The 6th highest 24-hour average PM_{10} levels accounts for five exceedances (i.e. five days) above the criteria, consistent with the VLAMP.

The isopleth in **Figure 7-4** indicates one vacant privately-owned land parcel to the north of the mining boundary would be considered air quality-affected, namely parcel 143e. It is noted this land parcel currently has acquisition upon request rights for noise impacts in Development Consent DA 92/97.

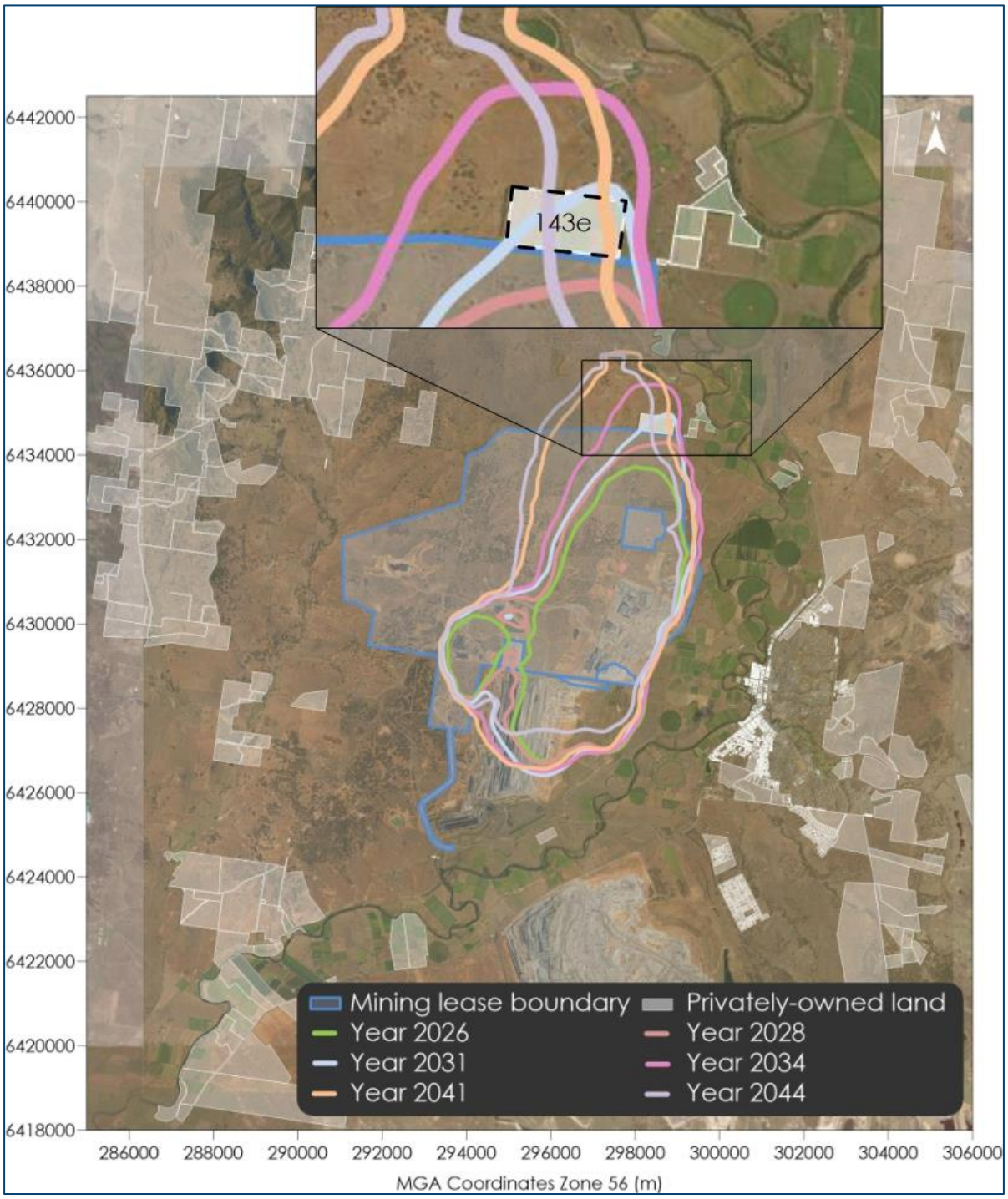


Figure 7-4: Predicted 6th highest 24-hour average PM_{10} level for all scenarios

8 ASSESSMENT OF TRAIN DUST IMPACTS

8.1 Introduction

Coal dust emissions from train wagons have the potential to originate from the coal surface of loaded wagons, leakage from wagon doors, re-suspension and wind erosion of coal spilled in the rail corridor, residual coal in unloaded wagons, and parasitic load on sills, shear plates and bogies of wagons.

The surface of loaded wagons provides a significant exposed area, which is subject to wind erosion and air movement during transport. The amount of dust potentially generated during transport is related to the inherent dustiness of the coal material and the interactions of the air with the exposed coal surface (**Connell Hatch, 2008**).

Coal dust can potentially leak from the bottom doors of train wagons and fall into the ballast of the train line. This occurs when the doors of the wagon are not completely sealed. The amount of material released will depend on the material properties of the coal, and the vibrational forces experienced by the coal in the wagons that potentially break down the coal material. Dust impacts from this source are considered to be low as the ballast would provide a sufficient shielding effect to prevent particle lift-off (**Connell Hatch, 2008**).

During the loading process and in transit, there is potential for coal material to be spilled into the train corridor and cause parasitic loading on the sills, shear plates and bogies. These sources of emissions are easily prevented by careful loading of the material and profiling the shape of the load (**Connell Hatch, 2008**).

Residual coal remaining in an unloaded wagon can dry and become airborne during travel back to the site. This source is dependent on meteorological conditions, the train travel speed and the extent of any turbulent air generated in the unloaded wagon space causing the residual coal particles to become airborne.

8.2 Previous assessment of impacts

The *Mount Pleasant Operation Mine Optimisation Modification Air Quality and Greenhouse Gas Assessment* (**Todoroski Air Sciences, 2017**) previously assessed the potential for dust impacts to arise from the transportation of coal via trains.

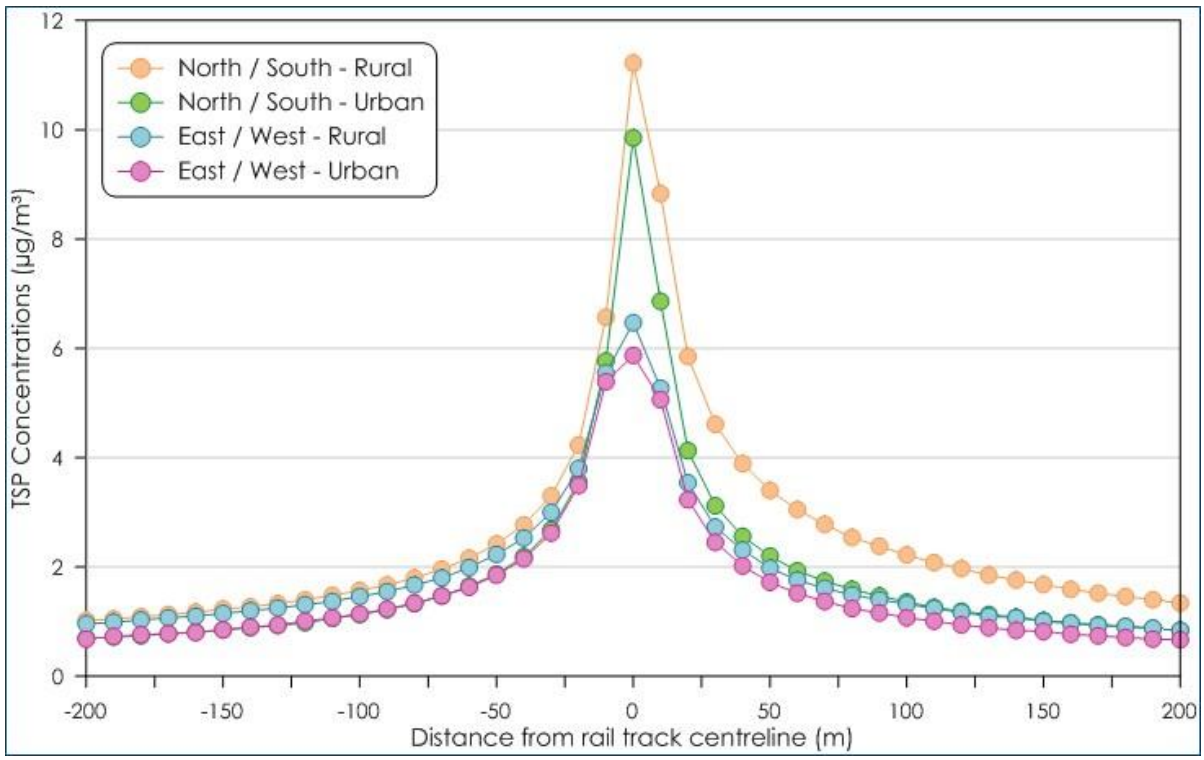
The assessment applied air dispersion modelling with emission factors developed from full-scale measurements of coal dust emissions from coal wagons over a 350km journey (**Ferreira et al., 2003**). These dust emission estimates were verified in a study conducted by Katestone Environmental on behalf of Connell Hatch for Queensland Rail Limited (**Connell Hatch, 2008**) and found the predicted modelled dust concentration compared well with actual air quality monitoring.

A peak of nine train movements per day from the Mount Pleasant Operation was modelled with an estimated emission rate of approximately 922g of TSP per km per train. The model predictions are shown in **Figure 8-1**. The modelling predictions indicate that at distances of 50m and beyond the rail track centreline, the maximum 24-hour average TSP concentration for all scenarios would be approximately 3.4µg/m^3. By assuming 40% of the TSP is comprised of PM_{10}, the predicted maximum 24-hour average PM_{10} concentration at 50m from the rail centreline would be approximately 1.4µg/m^3.

For urban areas, the predicted maximum 24-hour average TSP level at 50m from the rail track centreline would be approximately 2.2µg/m³ with an equivalent PM_{10} level of 0.9µg/m³.

The Project would increase the approved maximum number of trains per day from nine to ten, and therefore there would be some additional impact due to dust from coal trains. However, the magnitude of the predicted impact is so small that the increase in train movements would not result in significantly higher impact. Note the previously predicted level of impacts is considered conservative as it is based on a peak number of trains from the Mount Pleasant Operation and would only occur occasionally.

This assessment is consistent with the findings of the studies indicating that the potential for any adverse air quality impacts associated with coal dust generated during rail transport would be low and would not make any appreciable difference to air quality.



Source: **Todoroki Air Sciences (2017)**

Figure 8-1: Maximum predicted 24-hour average TSP concentration based on train wagon emissions

9 ASSESSMENT OF BLAST FUME EMISSIONS

Air quality impacts from blast fume emissions are rare, but are possible when there are unforeseeable complications with a blast that causes high levels of NO_2 or dust emission, and when this occurs during unfavourable air dispersion conditions.

Air quality impacts of blast operations at the Project are managed under the *Mount Pleasant Operation Blast Management Plan* (**MACH, 2020b**). The purpose of this document is to address the likely causes of noxious gases that are produced from blasting activities, the controls that should be used to mitigate excessive blast fumes and the procedure for management of excessive blast fumes when they occur.

9.1 Approach to assessment

9.1.1 Emission estimation

Blast fume emissions (NO_2) were estimated on the basis of emission levels presented in a Commonwealth Scientific and Industrial Research Organisation (CSIRO) study of Hunter Valley blasts (**Attala et al., 2008**). Blast fume emissions can vary greatly depending on a number of factors, but largely depend on the tendency of a particular blast (or holes within the shot) to generate significant NO_2 emissions. The assessment is based on the maximum measured level of 63.3kg of NO_2 presented in the CSIRO study, increased by a factor of approximately 1.6, with all the NO_2 assumed to be released within a 5-minute period (i.e. 63.3 kg x 1.6 / 5 mins = 20.3 kg/min) and is considered conservative.

9.1.2 Dispersion modelling

Dispersion modelling of the potential blast fume emissions was conducted for each indicative mine plan year. The model setup was generally in accordance with the setup discussed in **Section 6**. Blast emission sources were modelled at three locations distributed across the active pit for each scenario. It is noted that the source location would vary; however, for the purposes of this assessment it is considered that the selected locations would provide a suitable indication of the potential impacts.

The model was set up to generate a blast during each hour of the day when blasting is permitted between 9:00am to 5:00pm as stated in the *Mount Pleasant Operation Blast Management Plan* (**MACH, 2020b**).

9.2 Modelling predictions

Isopleth diagrams of the predicted modelling results for the assessed maximum 1-hour average NO_2 concentrations during each potential blast hour of each scenario are shown in **Appendix H**. It should be noted that the isopleth diagrams show the maximum hourly extent of all potential blasts in all daytime hours in a full year per the permitted blasting hours, and do not represent a single blast event.

The isopleth diagrams indicate that based on the potential blast hours in each day, blasts occurring between 9:00am to 3:00pm pose little potential for adverse blast fume impacts to occur. During the hour of 4:00pm to 5:00pm there is potential for adverse blast fume impacts beyond the site boundary. The results indicate that the meteorological conditions during this period may at times be unfavourable for blasting and that extra care should be taken if conducting blasting at this time.

9.3 Discussion

Overall, it is noticeable that during the middle of the day, no impacts due to blast fume emissions are predicted to occur. During these times, meteorological conditions are generally favourable for blasting.

However, in the late afternoon, when the assessment indicates that there is potential for impacts to arise off-site, it is recommended that careful consideration of the potential for blast fume generation and the meteorological conditions at the time be made to prevent any potential blast impacts at sensitive receptor locations.

It is noted that in June 2020, a blast was fired in the late afternoon (approximately 4:40pm) that resulted in a visible plume being emitted after the blast. Three complaints were received regarding the blast's visible plume. A blast investigation was conducted and as a result the mining contractor has amended some pre-blast procedures to reduce the potential for a similar event to occur in future.

As the Project progresses, the potential for blast fume impacts at different locations surrounding the Project will vary. A predictive blast management system is used at the Mount Pleasant Operation to aid with management of blasting operations. Such a system uses the weather conditions for each blast to predict the potential impact that may occur. The prediction is made on the basis of forecast weather data, allowing operators to schedule a blast to the time of least impact over the course of the upcoming day.

The Hunter Valley Meteorological Sounder Joint Venture are currently working towards developing a real-time weather forecast based on near to real-time weather observations and sounder data collected from various locations within the Hunter Valley. This will provide an up-to-date forecast based on current weather conditions for use in predictive blast management systems and would likely improve the accuracy of the predictions.

The Project would continue to regularly review its blast management systems to ensure that best practice is being maintained. In addition to the revisions to the Trigger Response Action Plan made in response to the blast fume event in June 2020, it is recommended that an additional Trigger Action Response Plan is put in place for blasting after 3:00pm to reduce the potential for off-site blasting impacts.

10 SUMMARY AND CONCLUSIONS

This study has examined the air quality impacts that may arise from the Mount Pleasant Optimisation Project for six indicative mine plan years.

The air dispersion modelling methodology uses local weather and dust monitoring data, incorporates conservative emission estimation and considers activity at other nearby coal mining operations.

The results indicate that dust impacts may potentially arise at a number of privately-owned receptor locations surrounding the Project.

Four privately-owned receptors are predicted to experience exceedances of the relevant cumulative annual average $PM_{2.5}$, PM_{10}, TSP and dust deposition criteria, with the Project estimated to contribute approximately 1% to 2% to the predicted cumulative levels at these receptors. Given the predicted exceedances would occur with or without the Project at each receptor, it is considered the Project would not contribute to an exceedance of the relevant cumulative criteria at any of the receptors.

No privately-owned receptors are predicted to exceed the Project-only 24-hour average $PM_{2.5}$ criterion.

Eight privately-owned receptors are predicted to exceed the Project-only 24-hour average PM_{10} assessment criterion, namely Receptors 143b, 147, 153a, 154, 154b, 156a, 157a and 159. It is noted that Receptors 154/154b currently have mitigation upon request rights in Development Consent DA 92/97 for potential noise impacts, and all of the other receptors currently have acquisition upon request rights in Development Consent DA 92/97 for potential noise impacts.

Cumulative 24-hour average $PM_{2.5}$ and PM_{10} levels exceeding the NSW EPA impact assessment criteria were predicted to occur in the surrounding environment in the absence of the implementation of reactive measures. With the application of a reactive dust mitigation strategy and incorporation of real-time/ predicted management systems, no privately-owned receivers are predicted to exceed the cumulative 24-hour average PM_{10} criterion (in addition to those predicted to experience Project-only impacts) and five privately-owned receptors are predicted to experience exceedances of the cumulative 24-hour average $PM_{2.5}$ criterion. It is noted that the five receptors, namely Receptors 112, 118, 120, 120c and 121, currently have acquisition upon request rights in Development Consent DA 92/97 for potential noise impacts.

One parcel of vacant land to the north of the Mount Pleasant Operation, parcel 143e, is predicted to exceed the relevant VLAMP criteria for vacant land. It is noted this parcel currently has acquisition upon request rights for noise impacts in Development Consent DA 92/97.

These results indicate that the Project's staged increases to ROM coal extraction rate would be effective in minimising potential air quality impacts to the majority of receivers surrounding the Mount Pleasant Operation. As an outcome of this assessment, 13 receptors and one land parcel would be afforded acquisition upon request rights for potential air quality impacts. Of these, only receptors 154 and 154b do not currently have acquisition upon request rights in Development Consent DA 92/97 (note, however, receiver 154 has mitigation upon request rights for potential noise impacts).

Predicted levels for the assessed dust metrics would be above the relevant criterion at a number of mine-owned receptor locations, mine-owned commercial premises and two heritage properties (which have previously been identified as having the potential for dust impacts due to nearby mining operations).

There are no likely adverse air quality impacts associated with rail transport for the Project. Any blast fume impacts would be mitigated using existing management practices.

11 REFERENCES

Attalla M. I., Day S. J., Lange T., Lilley W. and Morgan S. (2008)
"NOx emissions from blasting operations in open-cut coal mining", Atmospheric Environment, Vol. 42.

Bengalla Mining Company (2017)
"Bengalla Mine Historic Heritage Management Plan", May 2017.

Bureau of Meteorology (2020)
Climate Averages Australia, Bureau of Meteorology website. Accessed March 2020. <http://www.bom.gov.au/climate/averages>

Connell Hatch (2008)
"Final Report, Environmental Evaluation of Fugitive Coal Dust Emissions from Coal Trains Goonyella, Blackwater and Moura Coal Rail Systems Queensland Rail Limited", March 2008.

CSIRO (2013)
"Upper Hunter Valley Particle Characterization Study", prepared for NSW Office of Environment and Heritage and NSW Department of Health by CSIRO Marine & Atmospheric Research, September 2013.

Ferreira A. D., Viegas D. X. and Sousa A. C. M (2003)
"Full-scale measurements for evaluation of coal dust release from train wagons with two different shelter covers." Journal of Wind Engineering and Industrial Aerodynamics, 91, 1271-1283.

Jacobs (2019)
"Mangoola Coal Continued Operations Project Air Quality Impact Assessment", prepared by Jacobs for Umwelt, June 2019.

Katestone Environmental Pty Ltd (2010)
"NSW Coal Mining Benchmarking Study: International Best Practice Measures to Prevent and/or Minimise Emissions of Particulate Matter from Coal Mining", Katestone Environmental Pty Ltd prepared for DECCW, 2010.

MACH Energy Australia Pty Ltd (2019)
"Mount Pleasant Operation Air Quality and Greenhouse Gas Management Plan", prepared by MACH, May 2019.

MACH Energy Australia Pty Ltd (2020a)
"Mount Pleasant Operation 2019 Annual Review & Annual Rehabilitation Report", prepared by MACH.

MACH Energy Australia Pty Ltd (2020b)
"Mount Pleasant Operation Blast Management Plan", prepared by MACH, April 2020.

National Pollutant Inventory (2012)

"Emission Estimation Technique Manual for Mining Version 3.1", National Pollutant Inventory, January 2012.

New South Wales Environment Protection Authority (2014)

"NSW Coal Mining Benchmarking Study Best-practice measures for reducing non-road diesel exhaust emissions", December 2014.

New South Wales Environment Protection Authority (2017)

"Approved Methods for the Modelling and Assessment of Air Pollutants in New South Wales", January 2017.

New South Wales Government (2018)

"Voluntary Land Acquisition and Mitigation Policy for State Significant Mining, Petroleum and Extractive Industry Developments". NSW Government, September 2018.

Pacific Environment Limited (2018)

"Dartbrook Underground Study – Air Quality", prepared by Pacific Environment Limited for Australian Pacific Coal Limited c/o Hansen Bailey, May 2018.

PAEHolmes (2013)

"Air Quality and Greenhouse Gas Assessment Mt Arthur Coal Open Cut Modification", prepared by PAEHolmes for Hunter Valley Energy Coal Pty Ltd, January 2013.

Parsons Brinckerhoff (2012)

"Northern Sydney Freight Corridor Gosford Passing Loops Air Quality Impact Assessment", prepared by Parsons Brinkerhoff on behalf of Transport for NSW, June 2012

Todoroski Air Sciences (2013)

"Air Quality Impact and Greenhouse Gas Assessment Continuation of Bengalla Mine", prepared by Todoroski Air Sciences for Hansen Bailey, July 2013.

Todoroski Air Sciences (2014)

"Cumulative Impact Assessments Mt Arthur, Bengalla and Mangoola Coal Mines", prepared by Todoroski Air Sciences for NSW Department of Planning and Infrastructure, January 2014.

Todoroski Air Sciences (2016)

"Air Quality Impact and Greenhouse Gas Assessment Muswellbrook Coal Continuation Project", prepared by Todoroski Air Sciences for EMM Consulting, April 2016.

Todoroski Air Sciences (2017)

"Mount Pleasant Operation Mine Optimisation Modification Air Quality and Greenhouse Gas Assessment", prepared by Todoroski Air Sciences for MACH Energy Australia, May 2017.

Todoroski Air Sciences (2019)

"Maxwell Project Air Quality and Greenhouse Gas Assessment", prepared by Todoroski Air Sciences for Malabar Coal Limited, July 2019.

TRC Environmental Corporation (2011)

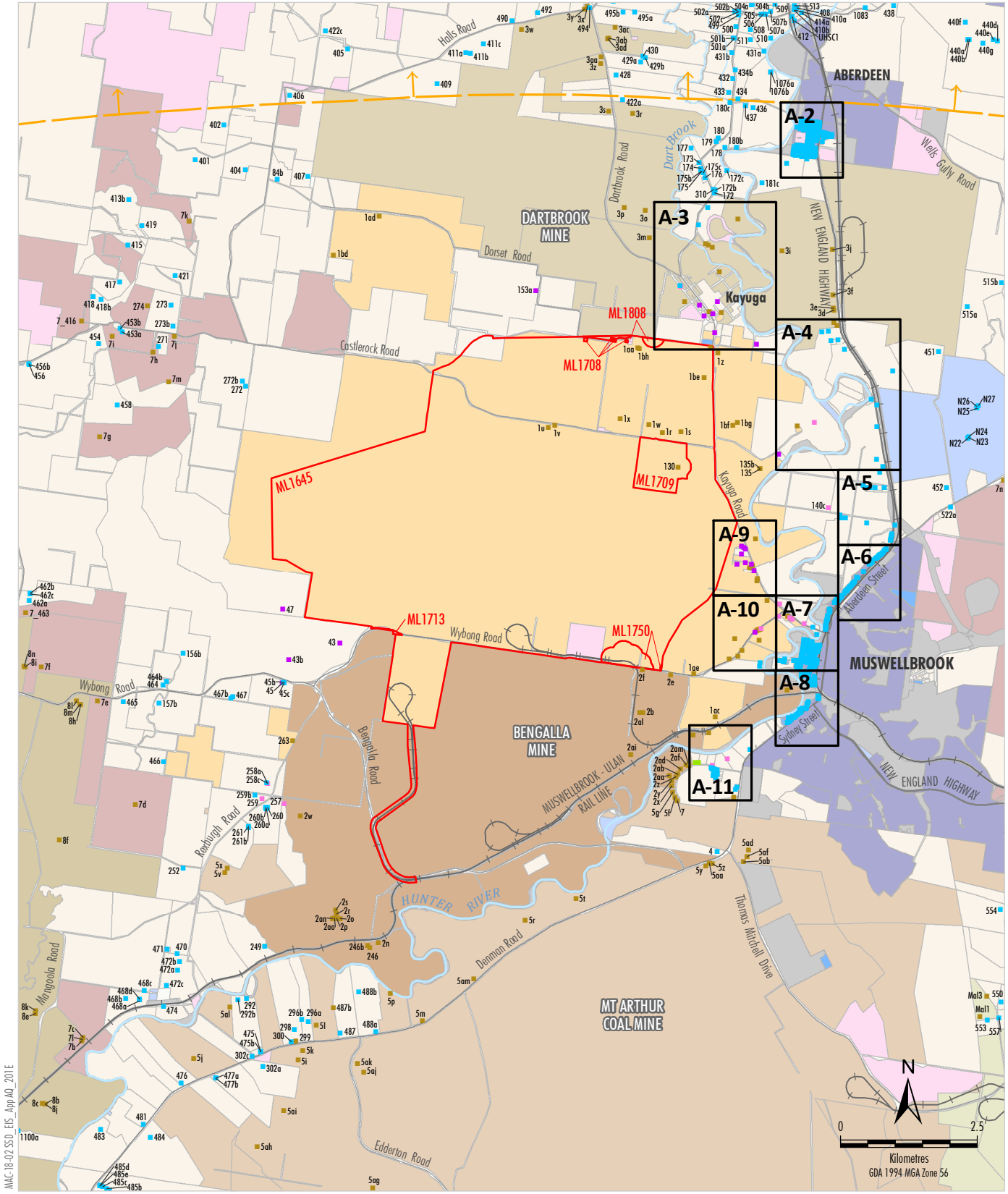
"Generic Guidance and Optimum Model Settings for the CALPUFF Modeling System for Inclusion into the 'Approved Methods for the Modeling and Assessments of Air Pollutants in NSW, Australia'", Prepared for the NSW Office of Environment and Heritage by TRC Environmental Corporation.

United States Environmental Protection Agency (1995 and updates)

"Compilation of Air Pollutant Emission Factors", AP-42, Fifth Edition United States Environmental Protection Agency, Office of Air and Radiation Office of Air Quality Planning and Standards, Research Triangle Park, North Carolina 27711.

Appendix A

Receiver Locations



LEGEND

- Mining Lease Boundary (Mount Pleasant Operation)
- Mount Pleasant-controlled
- Bengalla-controlled
- Dartbrook-controlled
- Mangoola-controlled
- Muswellbrook Coal-controlled
- Mt Arthur-controlled
- Other Mining/Resource-controlled
- Crown
- The State of NSW
- Muswellbrook Shire Council
- Upper Hunter Shire Council
- Privately-owned Land
- Muswellbrook and Upper Hunter LEP Zones B2, B5, R1, R5
- Muswellbrook and Upper Hunter LEP Zones IN1, SP2, RE1, RE2, W1

Category of Rural Residence under DA92/97

- Mine-owned
- Privately-owned - Acquisition on Request
- Privately-owned - Mitigation on Request
- Privately-owned - Mitigation/Acquisition on Request*
- Other Privately-owned
- Specific receivers not modelled.

* Mitigation on Request - rail noise/Aquisition on Request - air quality. MACH is only required to acquire and/or install air quality mitigation measures at this property if not reasonably achievable under a separate approval for the Bengalla Mine.

Source: MACH (2020); NSW Spatial Services (2020)

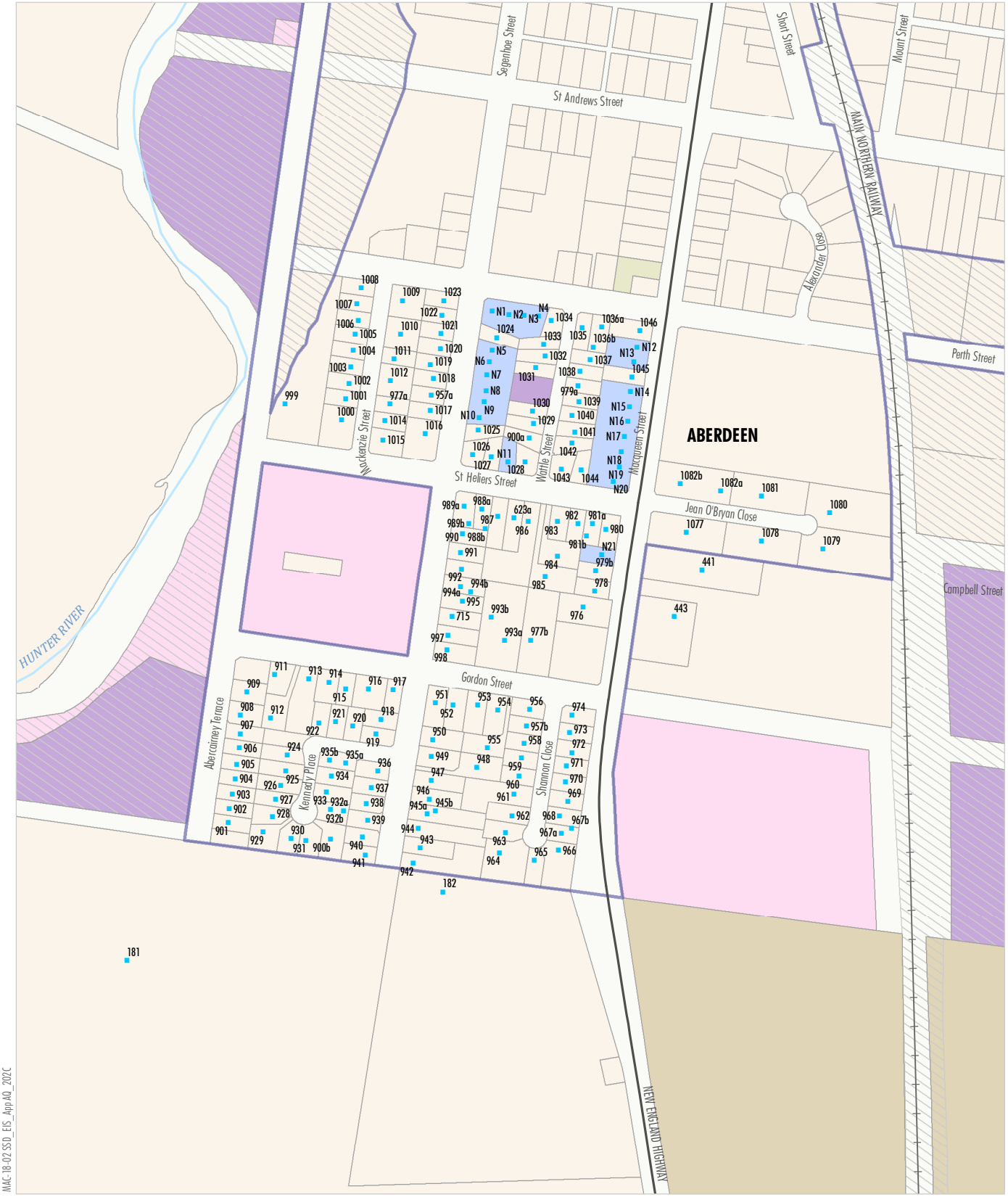
Refer Figures A-2 to A-11 for Insets.

MACHEnergy

MOUNT PLEASANT OPTIMISATION PROJECT

Receivers Overview

Figure A-1



MAC-18-02 SSD_EIS_AppAQ_202C

LEGEND

- Dartbrook-controlled
- Other Mining/Resource-controlled
- Crown
- The State of NSW
- Upper Hunter Shire Council
- Privately-owned Land
- Muswellbrook and Upper Hunter LEP Zones B2, B5, R1, R5
- Muswellbrook and Upper Hunter LEP Zones IN1, SP2, RE1, RE2, W1

Category of Residence under DA92/97

- Other Privately-owned

Source: MACH (2020); NSW Spatial Services (2020)

N

0 250

Metres

GDA 1994 MGA Zone 56

MACHEnergy

MOUNT PLEASANT OPTIMISATION PROJECT

Receiver Locations

Figure A-2



MAC-18-02 SSD_EIS_AppAQ_202C

LEGEND

- Mining Lease Boundary (Mount Pleasant Operation)
- Mount Pleasant-controlled
- Dartbrook-controlled
- Crown
- Muswellbrook Shire Council
- Privately-owned Land
- Muswellbrook and Upper Hunter LEP Zones IN1, SP2, RE1, RE2, W1

Category of Residence under DA92/97

- Mine-owned
- Privately-owned - Acquisition on Request
- Privately-owned - Mitigation on Request
- Other Privately-owned

Source: MACH (2020); NSW Spatial Services (2020)

N

0 500

Metres

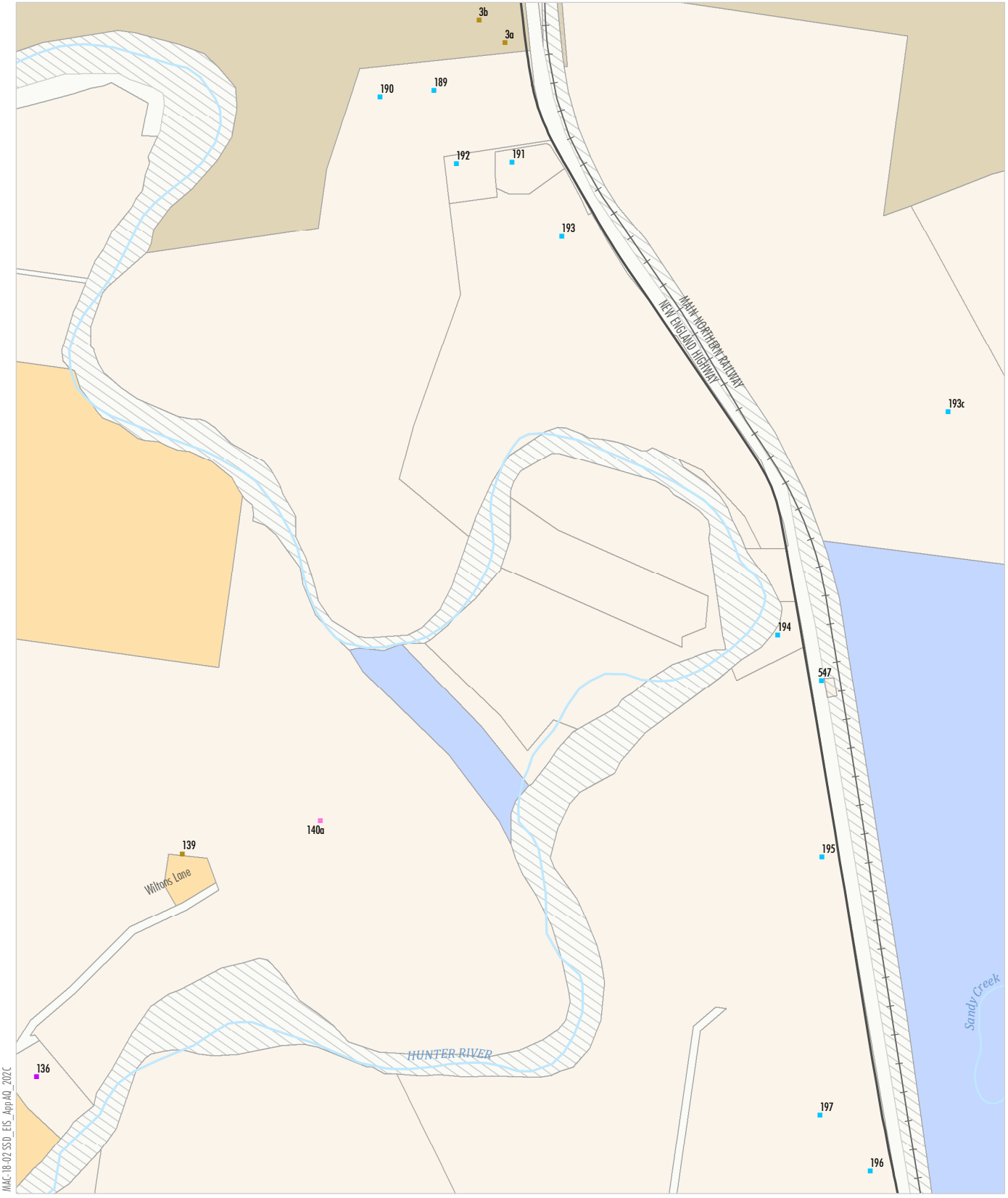
GDA 1994 MGA Zone 56

MACHEnergy

MOUNT PLEASANT OPTIMISATION PROJECT

Receiver Locations

Figure A-3



MAC-18-02 SSD_EIS_AppAQ_202C

LEGEND

- Mount Pleasant-controlled
- Dartbrook-controlled
- The State of NSW
- Privately-owned Land
- Muswellbrook and Upper Hunter LEP Zones IN1, SP2, RE1, RE2, W1

Category of Residence under DA92/97

- Mine-owned
- Privately-owned - Acquisition on Request
- Privately-owned - Mitigation on Request
- Other Privately-owned

Source: MACH (2020); NSW Spatial Services (2020)

N

0 500

Metres

GDA 1994 MGA Zone 56

MACHEnergy

MOUNT PLEASANT OPTIMISATION PROJECT

Receiver Locations

Figure A-4



MAC-18-02 SSD_EIS_AppAQ_202C

LEGEND

The State of NSW

Privately-owned Land

Muswellbrook and Upper Hunter LEP Zones B2, B5, R1, R5

Muswellbrook and Upper Hunter LEP Zones IN1, SP2, RE1, RE2, W1

Category of Residence under DA92/97

Privately-owned - Mitigation on Request

Other Privately-owned

Source: MACH (2020); NSW Spatial Services (2020)

N

0 250

Metres

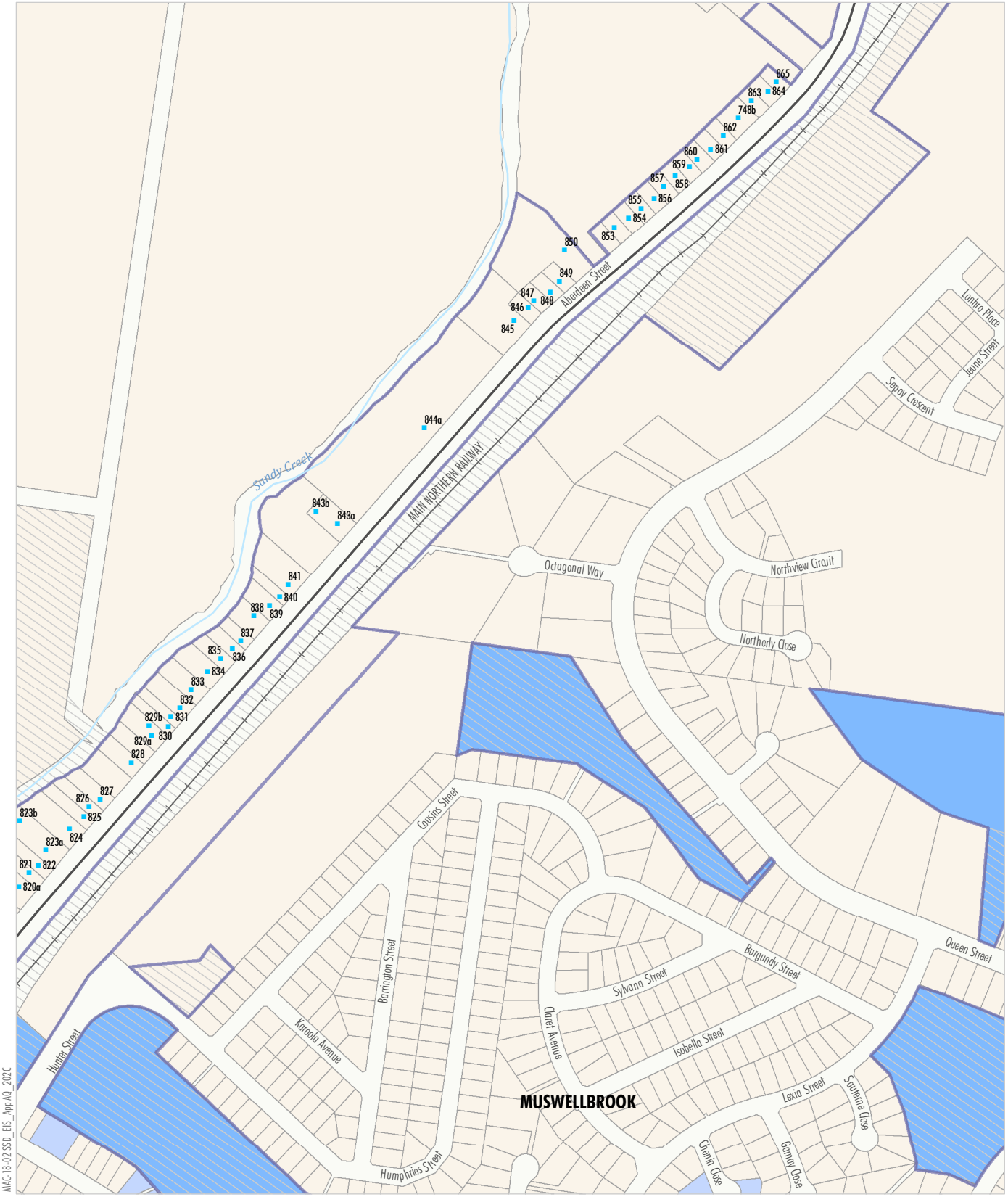
GDA 1994 MGA Zone 56

MACHEnergy

MOUNT PLEASANT OPTIMISATION PROJECT

Receiver Locations

Figure A-5



MAC-18-02 SSD_EIS_AppAQ_202C

LEGEND

- The State of NSW
- Muswellbrook Shire Council
- Privately-owned Land
- Muswellbrook and Upper Hunter LEP Zones B2, B5, R1, R5
- Muswellbrook and Upper Hunter LEP Zones IN1, SP2, RE1, RE2, W1

Category of Residence under DA92/97

- Other Privately-owned

Source: MACH (2020); NSW Spatial Services (2020)

N

0 250

Metres

GDA 1994 MGA Zone 56

MACHEnergy

MOUNT PLEASANT OPTIMISATION PROJECT

Receiver Locations

Figure A-6



MAC-18-02 SSD_EIS_AppAQ_202C

LEGEND

- Mount Pleasant-controlled
- The State of NSW
- Muswellbrook Shire Council
- Privately-owned Land
- Muswellbrook and Upper Hunter LEP Zones B2, B5, R1, R5
- Muswellbrook and Upper Hunter LEP Zones IN1, SP2, RE1, RE2, W1

Category of Residence under DA92/97

- Mine-owned
- Privately-owned - Mitigation on Request
- Other Privately-owned

Source: MACH (2020); NSW Spatial Services (2020)

N

0 250

Metres

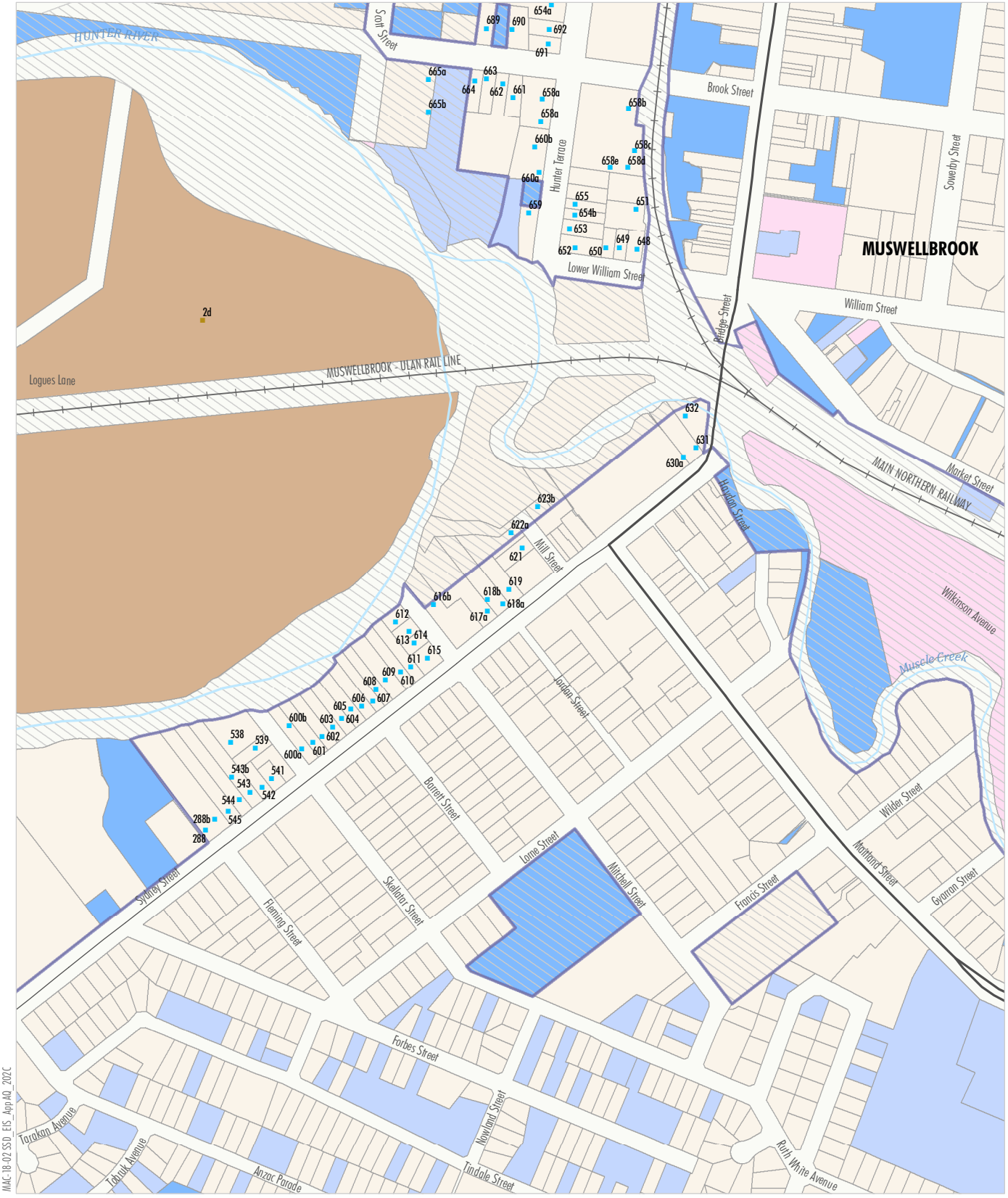
GDA 1994 MGA Zone 56

MACHEnergy

MOUNT PLEASANT OPTIMISATION PROJECT

Receiver Locations

Figure A-7



LEGEND

- Bengalla-controlled
- Crown
- The State of NSW
- Muswellbrook Shire Council
- Privately-owned Land
- Muswellbrook and Upper Hunter LEP Zones B2, B5, R1, R5
- Muswellbrook and Upper Hunter LEP Zones IN1, SP2, RE1, RE2, W1

Category of Residence under DA92/97

- Mine-owned
- Other Privately-owned

Source: MACH (2020); NSW Spatial Services (2020)

N

0 250

Metres

GDA 1994 MGA Zone 56

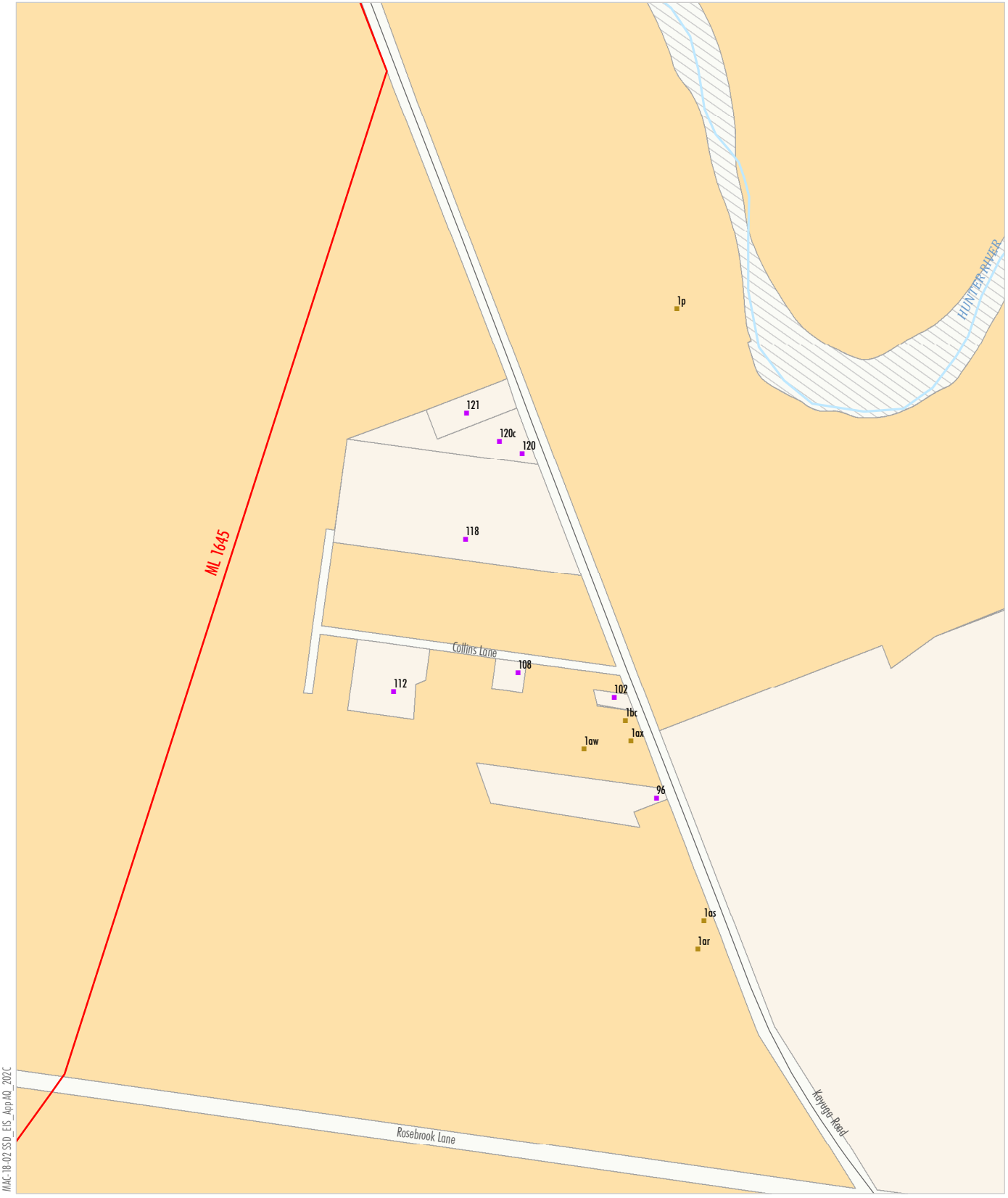
MACHEnergy

MOUNT PLEASANT OPTIMISATION PROJECT

Receiver Locations

Figure A-8

MAC-18-02 SSD_EIS_AppAQ_202C



MAC-18-02 SSD_EIS_AppAQ_202C

LEGEND

Mining Lease Boundary (Mount Pleasant Operation)
Mount Pleasant-controlled
Privately-owned Land
Muswellbrook and Upper Hunter LEP Zones IN1, SP2, RE1, RE2, W1

Category of Residence under DA92/97

Mine-owned
Privately-owned - Acquisition on Request

Source: MACH (2020); NSW Spatial Services (2020)

N

0 250

Metres

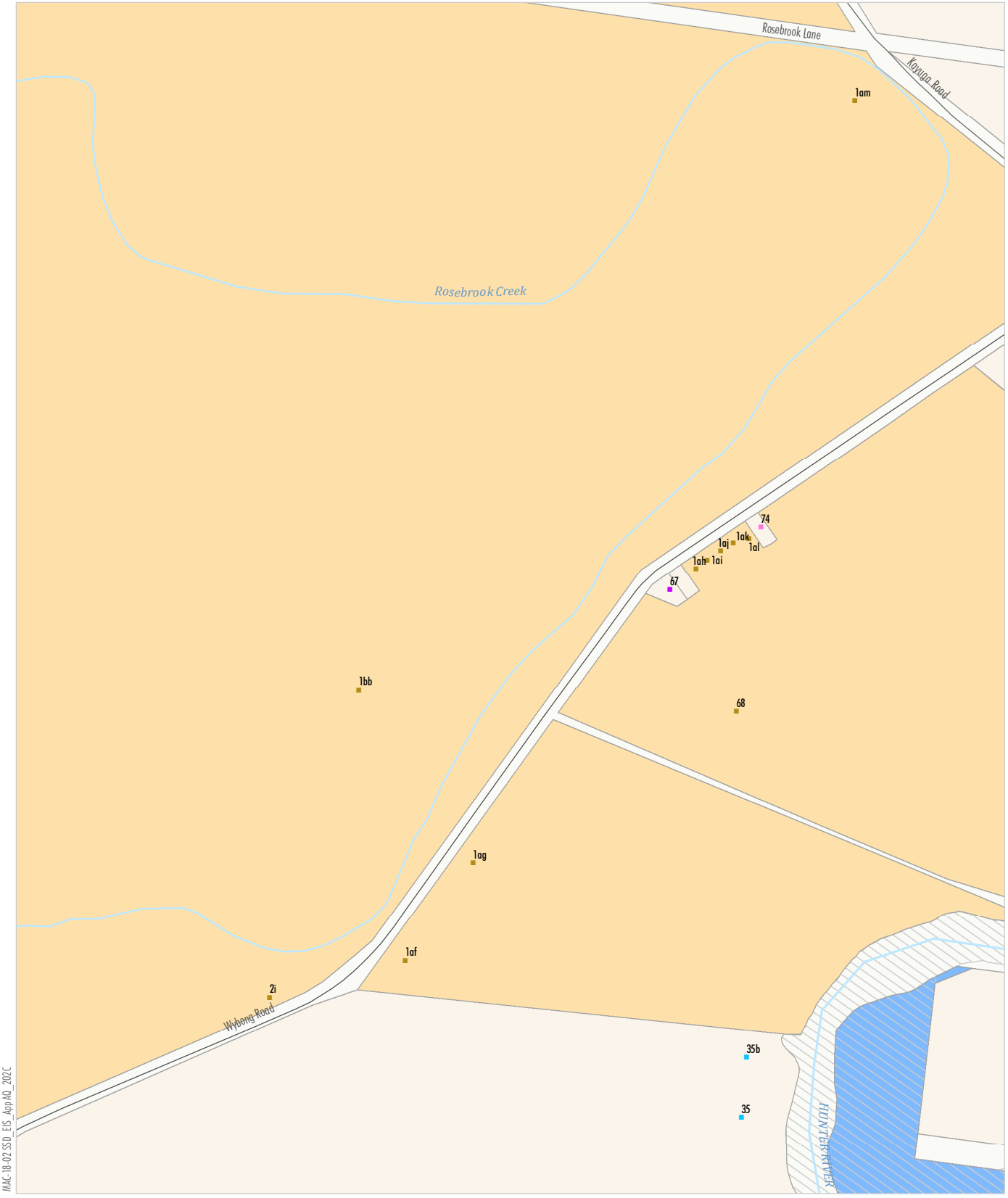
GDA 1994 MGA Zone 56

MACHEnergy

MOUNT PLEASANT OPTIMISATION PROJECT

Receiver Locations

Figure A-9



LEGEND

- Mount Pleasant-controlled
- Muswellbrook Shire Council
- Privately-owned Land
- Muswellbrook and Upper Hunter LEP Zones IN1, SP2, RE1, RE2, W1

Category of Residence under DA92/97

- Mine-owned
- Privately-owned - Acquisition on Request
- Privately-owned - Mitigation on Request
- Other Privately-owned

Source: MACH (2020); NSW Spatial Services (2020)

N

0 250

Metres

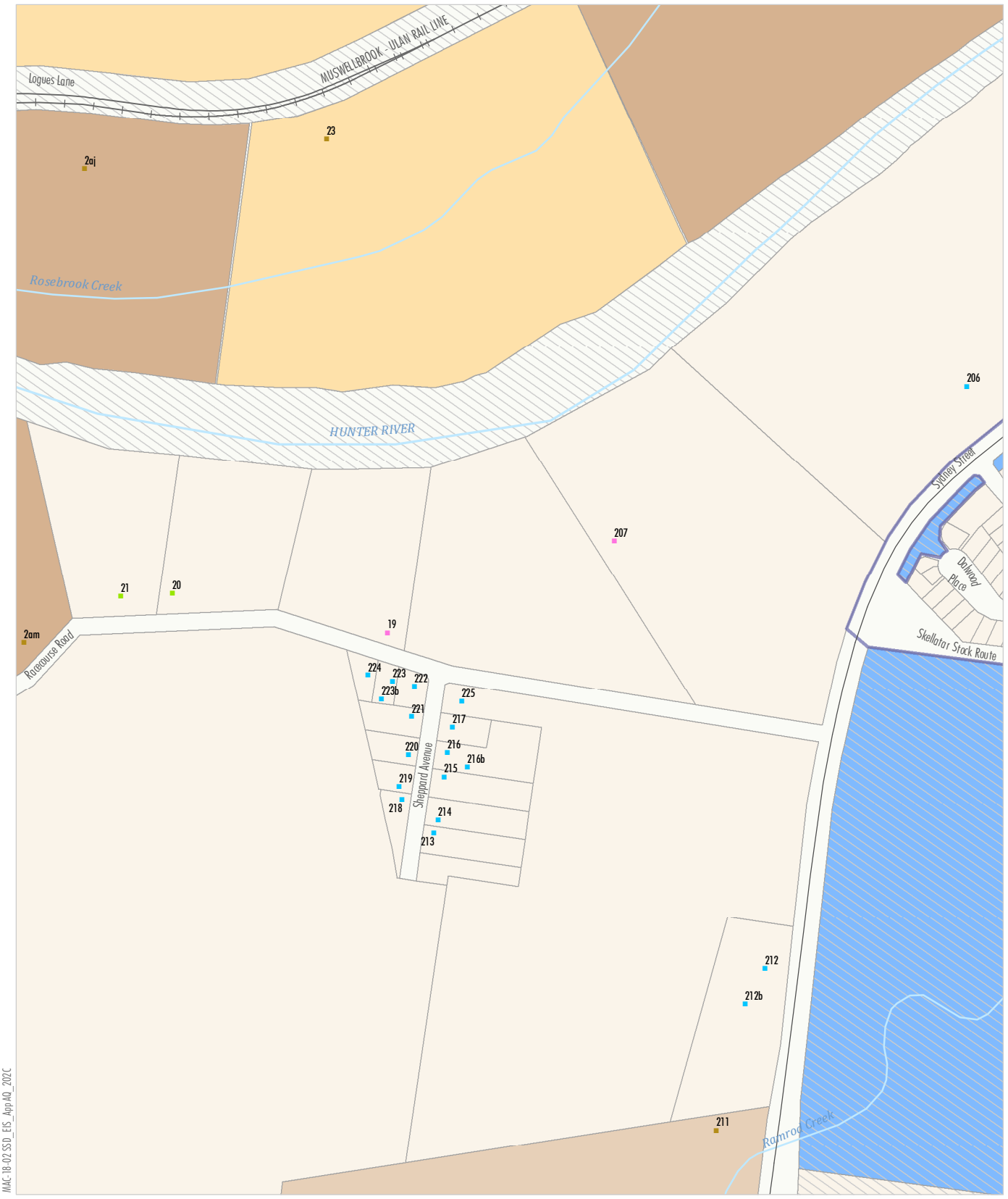
GDA 1994 MGA Zone 56

MACHEnergy

MOUNT PLEASANT OPTIMISATION PROJECT

Receiver Locations

Figure A-10



MAC-18-02 SSD_EIS_AppAQ_202C

LEGEND

- Mount Pleasant-controlled
- Bengalla-controlled
- Mt Arthur-controlled
- Muswellbrook Shire Council
- Privately-owned Land
- Muswellbrook and Upper Hunter LEP Zones B2, B5, R1, R5
- Muswellbrook and Upper Hunter LEP Zones IN1, SP2, RE1, RE2, W1

Category of Residence under DA92/97

- Mine-owned
- Privately-owned - Mitigation on Request
- Privately-owned - Mitigation/Acquisition on Request*
- Other Privately-owned

* Mitigation on Request - rail noise/Aquisition on Request - air quality. MACH is only required to acquire and/or install air quality mitigation measures at this property if not reasonably achievable under a separate approval for the Bengalla Mine.

N

0 250

Metres

GDA 1994 MGA Zone 56

Source: MACH (2020); NSW Spatial Services (2020)

MACHEnergy

MOUNT PLEASANT OPTIMISATION PROJECT

Receiver Locations

Figure A-11

Table A-1: Receiver locations

Receiver Name	Easting	Northing	Landowner
Residential - Private			
4	299204	6425199	JR SCRIVEN
19	299120	6426780	DP ENGLEBRECHT
20	298865	6426827	JA & KB BARNETT
21	298804	6426823	MJ MCGOLDRICK
35	299981	6428578	C HORNE
35b	299987	6428649	
43	292319	6429013	JB MOORE
43b	291386	6428704	
45	291265	6428277	BA & TE STRACHAN
45b	291282	6428296	
45c	291304	6428289	
47	291276	6429621	BL & ML BATES
67	299896	6429203	PN SIMPSON
74	300004	6429277	M & N SORMAZ
77	300331	6429494	BE & WB WHITEHEAD
79	300571	6429446	MH RAY
82	301019	6429169	AK BIRCH
83	300958	6429302	CM & LG KELMAN
84a	300797	6429363	GE PITMAN
84b	291180	6437474	
86a	300343	6429725	COWTIME INVESTMENTS PTY LIMITED
86b	301866	6431881	
96	299880	6430325	RP GRAY
102	299830	6430444	AJPS MATHER
108	299716	6430474	JS GIBSON
112	299569	6430451	BD BARRY
118	299654	6430631	CA & JM HAYES
120	299721	6430733	DL & PA MOORE
120c	299694	6430747	
121	299655	6430781	C & JM MOORE
136	300332	6432454	DG YORE
140a	300978	6433036	DAPKOS PTY. LIMITED
140c	301238	6431475	
143a	299926	6434460	JS & NM LONERGAN
143b	299210	6435242	
147	299166	6434677	MJ & RG ADNUM
153a	295895	6435445	EM LEECE
154	298538	6435519	F & PD STANDING
154b	298530	6435540	
156a	298881	6435174	JE LONERGAN
156b	289455	6428817	JM & ST & JE LONERGAN & LA PARKES & PM HOWARD
157a	298964	6434979	RB PARKINSON
157b	289022	6427911	
159	299130	6435011	JE & MS DUCEY
169	298867	6436641	J WATTUS & L GREENSILL
171	299038	6436959	
172	299157	6437229	CE & RL THOMPSON
172b	299167	6437280	
172c	299380	6437633	
310	299136	6437287	
173	298878	6437774	JA WARD & TL KING
174	298907	6437677	ML POWER
175	298924	6437623	
175b	298907	6437621	

Receiver Name	Easting	Northing	Landowner
175c	298949	6437595	
176	298986	6437511	JAF & LA ALLAN
177	298729	6438048	FW & HM & SA WHEATLEY
178	299347	6438055	PA NEELY
179	299188	6438161	F. A. WHEATLEY & SON PTY LIMITED
180	299231	6438235	
180b	299556	6438056	
180c	299443	6438875	
181	300473	6437761	K.L. & H.R. DAY PTY. LIMITED
181c	300024	6437408	
182	300847	6437842	AJ & JG SADLER
189	301237	6434699	OB O'BRIEN
190	301114	6434684	
191	301415	6434535	JA & JE FIBBINS
192	301288	6434533	CW & IG INGLE
193	301528	6434368	GM & KL SMITH
193c	302408	6433967	
194	302020	6433459	JBA & TC HARRIS
195	302120	6432953	RK & T YOUNG
197	302116	6432365	
196	302230	6432239	
195d	302172	6432125	
198	301994	6431849	NP & TJ GOLDRICK
198b	301949	6431847	
199	302093	6431847	NA BURLING
200	302256	6431849	R EASTON
202	301547	6431296	DN RAPHAEL
202b	301939	6431208	
203	301444	6431329	MA & RF MILLARD
203b	301482	6431298	
203c	301446	6431341	
206	299807	6427072	WJ HARDES
207	299389	6426888	KL & SW BARKLEY
212	299568	6426382	CJ & DR TUBB
212b	299544	6426340	
213	299175	6426542	ENGLEBRECHT RACING STABLES PTY. LIMITED
214	299180	6426558	AL THOMSON-WEIR & RC WEIR
215	299187	6426609	CB & WJ MCINTOSH
216	299191	6426638	NJ KEEVERS
216b	299215	6426621	
217	299197	6426668	RRA FARNSWORTH
218	299137	6426582	SY JOHNSON
219	299134	6426597	GL & KL ANDREWS
220	299145	6426635	MA MOLLER & RA BYRNES
221	299149	6426680	TD BARRON
222	299152	6426716	EA & ML SWEENEY
223	299126	6426722	LJ & MC DOBIE
223b	299113	6426701	
224	299097	6426729	DL ROBINSON
225	299208	6426699	JR GLEESON & MR CRANFIELD
249	290948	6423469	TW ROOTS
252	289458	6424902	KF & RM MERRICK
257	291300	6426071	CM & PG LANE
258a	291000	6426444	NJ & RY ELLIS
258c	290978	6426456	
259	290893	6426165	MR PEEL

Receiver Name	Easting	Northing	Landowner
259b	290771	6426234	
260	291001	6426005	PSJ MURRAY
260a	290975	6425981	
260b	290967	6426001	
261	290650	6425665	PR ELLIS
261b	290655	6425637	
271	289007	6434419	DE KILGANNON & DS MACDOUGALL
272b	290544	6433781	GC SPARRE
272	290599	6433699	
273	289237	6435182	CM & IJ RICHARDS
273b	289270	6434795	
288	300481	6427549	JM & LA WEBSTER
288b	300492	6427562	
289	300328	6428693	EA & RA LAWMAN
292	290619	6422528	GR & MK WALSH
292b	290459	6422499	
300	291433	6421730	LJ & MG LATHAM
298	291487	6421947	
296a	291746	6422106	JM WILD
296b	291623	6422136	
302a	290912	6421269	MJ & MJ DUNCAN
302c	290718	6421467	
401	289678	6437838	DG & JL DAY
402	290202	6438460	PC BRITTAN
404	290589	6437642	DG & JL & RW DAY
405	292459	6439852	GL & JL DANIELS
406	291408	6439011	LE & SR HOLDSWORTH
407	291737	6437529	AD LONERGAN
408	300656	6440603	SN BATEMAN
409	294094	6439216	AP CORLISS
410a	300631	6440563	V BATEMAN
410b	300610	6440560	
411a	294623	6439788	DL CADDEY
411b	294701	6439774	
411c	294939	6439950	
412	300573	6440442	JA BAILEY
413b	288466	6437109	MJH LUMBY
414a	300751	6440513	PG LUCK
415	288449	6436268	SJ FRANKLAND
417	288298	6435593	JA & M CASTELLANA
418	287815	6435334	PB WATTS
418b	287964	6435284	
419	288702	6436633	KM BATES & TG WOODS
421	289314	6435712	GW RICHARDS
422a	297479	6438929	ME DANIELS
422c	292052	6440193	
428	297359	6439377	JM GOWING
429a	297808	6439616	JJ & KP & MD COLLINS & ML WILLIAMSON
429b	297897	6439690	
430	297849	6439727	DJ HULBERT
431a	300058	6439816	GJ DAY
431b	299476	6439794	
432	299493	6439313	REN & TR ADAM & KL CONE
433	299413	6439062	CJ ASHFORD & JP BRENNAN
434	299588	6438944	GJ & RL JONES
434b	299533	6439471	

Receiver Name	Easting	Northing	Landowner
436	299862	6438782	MEDEGATE PTY. LIMITED
437	299724	6438830	BG & S CANVIN
438	302429	6440644	WALFERTAN PROCESSORS PTY LIMITED
440a	303777	6440030	DARLEY AUSTRALIA PTY LIMITED
440b	303810	6440026	
440c	304527	6439929	
440d	304322	6440005	
440e	304249	6440021	
440f	303736	6440339	
440g	304063	6439958	
441	301154	6438223	MACQUEEN PROJECTS PTY LTD
442	304683	6437541	WJ BOURKE
443	301121	6438168	K & RG BRADLEY
451	303247	6434331	GK & HM SANSOM
452	303395	6431851	AJR MADDEN
453a	288347	6434692	ME & SC DEVER
453b	288309	6434747	
454	287915	6434470	AP & PE MCMANUS
455	286340	6434252	RP KEAST
456	286643	6434110	GT KEAST
456b	286650	6434092	
458	288255	6433351	HJ WRIGHT
460	286411	6430732	RG GOWING
460b	286350	6430974	
461	286335	6430403	DG PEACE
462a	286649	6429789	SH JENNAR
462b	286664	6429919	
462c	286664	6429905	
464	289094	6428237	JL & KL BALMER
464b	289152	6428303	
465	288368	6427932	FN & WL GOOGE
466	289104	6426843	GT MCNEILL
467	290362	6428029	AR & F FLETCHER
467b	290329	6428001	
468a	288663	6422488	S.R. & J. W. LAWSON (LINDISFARNE) PTY. LIMITED
468b	288413	6422516	
468c	288744	6422670	
468d	288667	6422511	
470	289352	6423345	JI & PJ BROWN
471	289166	6423423	PJ BROWN
472a	289359	6423042	JDM MARKHAM
472b	289391	6423191	
472c	289154	6422757	
474	289101	6422375	AA & BT MEYER
475	290871	6421547	CA & EJ DENTON
475b	290870	6421557	
476	289424	6420979	CA & LA MACPHERSON
477a	290061	6421069	MW TURNER
477b	290048	6421063	
481	288729	6420219	RL WILKS
483	287951	6420135	RW JONES
484	288861	6419989	KM & TR PAULSEN
485a	288071	6419004	M & PR BURGMANN
485b	288066	6419050	
485c	287988	6419082	
485d	287933	6419095	

Receiver Name	Easting	Northing	Landowner
485e	287953	6419103	
485f	288112	6419015	
487	292323	6421880	E RANKIN
488a	292981	6421913	E & WJ RANKIN
488b	292667	6422647	
490	295469	6440374	RL GORDON
492	295927	6440522	CR & HM GOODSELL
494	296874	6440609	BJ & K FLAHERTY
495a	297697	6440526	DAVHAM NOMINEES PTY LIMITED
495b	297490	6440531	
496a	297307	6440734	RW DAVIS
496b	297413	6440820	
496c	297448	6440787	
499	299595	6440475	RD & TL JONES
500	299549	6440260	GWRD HOLDINGS PTY LIMITED
501a	299518	6440043	JW TAYLOR
501b	299501	6440052	
502a	299525	6440537	LC SCOWEN
502b	299575	6440542	
502c	299598	6440534	
504a	299827	6440661	MT O'CONNELL
504b	299849	6440673	
505	300012	6440495	GC O'HARA
506	300054	6440492	RP & SA WITHERS
507a	300091	6440496	MJO KELAHER & NJ KELAHER
507b	300176	6440541	
508	299810	6440203	VG FOSTER
509	300258	6440669	GJ DAY & J WATTUS
510	300185	6440043	SG & YR WILKS
511	299817	6440019	CL & DJ CLYDSDALE
513	300618	6440648	DC & GJ WILTON
515a	303771	6435159	JA & SB REICHEL
515b	304395	6435587	
516	304535	6436159	MP CLIFFORD
517	304772	6434939	FL COLEMAN & JC THOMAS
518	305208	6433773	VM FRENCH
519	304636	6435454	GL & KR HAYDEN
522a	303468	6431491	BJ & VR PASSLOW
522b	301251	6429626	
522c	301256	6429585	
522d	301266	6429599	
526	300536	6429474	LG WICKS
527	300601	6428695	DJ & GH CORK
528	300622	6428695	AS CHICK
529	300642	6428694	AM SMITH & TH HAMILTON
530	300678	6428689	JM HARRISON & NJ & SC BULLARD
531	300678	6428671	EA & GJ MUNZENBERGER
531b	300659	6428664	
532	300677	6428650	VL ROSE
533	300673	6428629	MJ BROWN
534	300670	6428613	EE MARKS
535	300661	6428594	DN & GL HORTON
536	300665	6428573	LJ CUMMINS
537	300663	6428556	RJ & SJ FARLEY
538	300511	6427653	KD POWER & T VERO
539	300540	6427646	CA SINGLETON & PH CURTAIN

Receiver Name	Easting	Northing	Landowner
541	300559	6427610	JG HINDER & VG MATHEWS
542	300548	6427600	GJ & PE CHAPMAN
543	300534	6427594	SM CROUCH
543b	300512	6427612	
544	300521	6427585	DS & RM NEWTON
545	300508	6427571	JA GREEN
547	302119	6433355	FK & G & LA BRYANT
549	305106	6423175	J WHITE & MT BARRY
550	304389	6422458	KT RYAN
552	304864	6424159	MT PERRAM
553	304139	6422116	AV & MF DOHERTY
554	304376	6424137	K CASBEN
557	304348	6422171	CJ & LE DUCK
559	304853	6421916	LT & RC SKINNER
560	304780	6422140	DA & RJD OSBORN
561	304794	6422638	JW NASH
562	304976	6422282	RB HALLORAN
563	305453	6422383	ID & RE BAXTER
564	305221	6423060	RW KERR
565	304962	6423375	KL & N JACOBSEN
566	305174	6423525	J FOX
569	305079	6424360	MERLAUST PTY LIMITED
570	305097	6424577	D HARRIS
571	305190	6425431	BL & JM BENNETT
572	305176	6424761	PJ HOGAN
573	305051	6424972	JM & WR BUDDEN
574	305016	6425085	IE & LF HUNT
575	304989	6425269	DR & JA FOLPP
576	304990	6425435	BS & MB WELLS
577a	304767	6425562	JG ABERCROMBIE
577b	304829	6425572	
578	304802	6425787	GK & JM BRIDGE
583	305401	6433259	JF & SJ AIRD
586	305175	6435729	K WILTON
587a	305086	6436842	AJ & SL MORRISON
587b	305063	6436875	
588	305203	6435904	ME & SR EVANS
589a	305612	6441086	NEWGATE FARM NOMINEES PTY LIMITED
589b	305511	6442424	
600a	300595	6427645	MJ WICKES
600b	300580	6427673	
601	300608	6427653	GF & UD GARLAND
602	300619	6427660	MJ TURNER
603	300632	6427671	SA MAY
604	300642	6427681	BT & DJ SHER
605	300653	6427693	C DENT
606	300666	6427696	GL COOPER
607	300679	6427702	J DEVER
608	300683	6427716	JL & ML & R JOHNSTON
609	300694	6427727	TJ & VB OAKES
610	300712	6427736	RJ SPRADBROW
611	300724	6427742	ML STOCKER
612	300706	6427795	SATNJ PTY LIMITED
613	300722	6427784	CT & RC FACKENDER
614	300728	6427771	KJ & R CLYDSDALE
615	300744	6427752	ER SIDERIS

Receiver Name	Easting	Northing	Landowner
616a	300995	6428951	BAPTIST CHURCHES OF NEW SOUTH WALES PROPERTY TRUST
616b	300751	6427816	
617a	300815	6427808	CD & RA NEWTON
618a	300833	6427817	N & S VASSOS
618b	300815	6427822	
619	300840	6427834	JP OAKES
621	300856	6427883	Y SAMPSON
622a	300843	6427901	JJ & JD MCKINLEY
623a	300931	6438285	HV ABORIGINAL CORPORATION
623b	300874	6427932	
630a	301047	6427990	MUSWELLBROOK & DISTRICT WORKERS' CLUB LIMITED
631	301062	6428001	YS BOYLE
632	301049	6428039	JW MILTON
648	300992	6428237	EL HOLBOROW
649	300971	6428239	JM WILD
650	300955	6428238	JR & VL ROSE
651	300991	6428284	CL ROWLAND
652	300919	6428239	BL HALL & LI PRITCHARD
653	300912	6428261	TL LYMBERY
654a	300891	6428526	JA LECKY
654b	300918	6428277	
655	300919	6428290	MF DAVIES
658a	300878	6428388	TRUSTEES OF CHURCH PROPERTY FOR THE DIOCESE OF NEWCASTLE
659	300864	6428280	J & PJ ROBINSON
660a	300876	6428328	ER & MA CLAYTON
660b	300871	6428358	
661	300845	6428416	RD KROPP
662	300833	6428433	MR HORNE
663	300814	6428439	BA COLVIN
664	300800	6428436	NM STANSBURY
665a	300745	6428438	D PAYNE
665b	300745	6428399	
667a	300416	6428684	B LAWMAN
667b	300443	6428720	
667c	300417	6428676	
667d	300414	6428656	
667e	300427	6428663	
667f	301345	6429739	
669	300714	6428535	VH ROOKE
671	300719	6428557	DB & MA & PJ TUALLY
672	300719	6428569	DD MANTHORP & KA LEGGAT
673	300722	6428586	CS RICH
675	300736	6428644	BA WHITBY & NT VESEY
676	300731	6428682	E & LW PITTMAN
677	300749	6428673	LS WHITE & MR PERFREMENT
678	300764	6428667	LA JEAN MERRICK
679	300781	6428674	PF TOMLINSON
680	300795	6428667	LJ STEVENS
681	300814	6428669	DM HUNT
682a	300851	6428664	C & SJ ATTARD
682b	300851	6428647	
683	300868	6428664	MD DONALDSON
684	300904	6428651	EV & RE RASMANIS
685	300911	6428625	JA NEWSON
686	300907	6428610	LJ HASTINGS
687	300905	6428587	SJ WILTON

Receiver Name	Easting	Northing	Landowner
688	300896	6428571	KM & NJ CANTOR
689	300814	6428498	MG BIRD
690	300844	6428497	SF & TJ REILLY
691	300887	6428480	AJ JONES
692	300888	6428497	VL PEARCE
693	300959	6428566	JH LIEBECK
694a	300965	6428589	RM CONSTABLE
694b	300996	6428583	
695	300963	6428608	ML GOODWIN
697	300976	6428649	CLAUT INVESTMENTS PTY LTD & K RIGBY
698	301022	6428640	YK CONSTABLE
715	300858	6438168	SJ CRUMP
728	301028	6428693	L BOYE
729	301009	6428698	BM & SK BUTTON
730	300986	6428697	JG RICKEY
731	300973	6428704	JL & KL BOWER
732	300978	6428739	HM & RJ MCLAUCHLAN
733	300989	6428754	GM HASLER
735a	301000	6428829	S BARRELL
735b	300987	6428831	
736	301037	6428854	CD & GA BURGESS
737	300996	6428858	JA CAMERON
738	301002	6428880	KA SMITH & ME AKAUMA
739	300997	6428902	JE MOORE
740a	301066	6428914	G&L SHAW, J THATCHER, P SWAIN & K ROWNEY, P RAY, C OBERG, BRADCLIFFE, A TAN, S CUNNINGHAM, P&J CAVANAGH, J BEER & A PURKISS (STRATA TITLE)
740b	301045	6428916	
740c	301025	6428919	
740d	301022	6428898	
740e	301039	6428895	
740f	301060	6428893	
741	300983	6428927	JM SIMMS
742	300974	6428946	RP SHARMA
743	300969	6428958	CJ BURGESS
744	301013	6428958	JA SHUTT & MR BERGHOFER
745	301029	6428960	LJ COOPS
746	301048	6428958	M BAXTER
747	301067	6428962	ST NOONAN
748a	301085	6428965	AR & DB THOMPSON
748b	302248	6430681	
749a	300910	6428705	GS & JM BELFORD
749b	300920	6428704	
750	300916	6428724	D & KV WADWELL
751	300924	6428739	BA & RM MOORE
752a	300888	6428717	KM QUINN
752b	300897	6428740	
753	300873	6428717	SM RIECK
754	300858	6428719	RL GUEST
755	300841	6428721	DR & SP LINEY
756	300826	6428721	KL & RJ CLARKE
757	300814	6428725	KL WALMSLEY & RJ CLARKE
758	300803	6428731	WO WILSON
759a	300786	6428727	A & EJC VAUGHAN
759b	300787	6428749	
760	300775	6428730	RA BUCHANAN
761	300762	6428734	JA & MK NOONAN
762	300740	6428731	ST CASTILLO

Receiver Name	Easting	Northing	Landowner
763	300745	6428742	BE & VA PRIESTLEY
764	300741	6428757	KP MULLER
765a	300751	6428773	CL STANLEY
765b	300743	6428780	
766	300751	6428787	AM SWEENEY
767	300756	6428808	JB HOLOHAN
768	300759	6428834	DR ELLIS
769	300811	6428845	JM & RJ CUTRUPI
770	300762	6428854	DL & GW BARTON
771	300765	6428876	OS REGAN
772	300765	6428894	IR & J BRAY
773	300767	6428909	GIAA PTY LTD
774	300804	6428923	JC DAVIES
775	300803	6428938	RA & SM FOX
776	300774	6428966	MJM VAN DER VLIET & RL VAN DER VLIET
777	300788	6428979	DL MCKAY
778a	300797	6428997	LJ & MR BARWICK
778b	300782	6428994	
779a	300804	6429006	P & M JACOB INVESTMENTS PTY LIMITED
779b	300826	6428997	
780	300795	6429023	AL & RJ GRAHAM
781	300783	6429038	MD & RS ENDERSBY
782	300793	6429053	EL GABRIEL & SR BOREHAM
783	300790	6429071	AJ BRADY
784	300924	6428755	JA & WJ O'BRIEN
785	300926	6428773	BW & D CAMPBELL
786	300907	6428792	MA & MJ BROWN
787a	300928	6428805	MM MILDON & TC BECKINGHAM
787b	300881	6428810	
788	300924	6428824	MIPESH PTY LTD
789	300920	6428843	AM & TA CROMPTON
790a	300937	6428855	RW CULLEN
790b	300919	6428867	
791a	300936	6428872	BH CROSSLEY & MT IVANCEVIC
791b	300918	6428881	
792a	300880	6428899	NR PLUNKETT
792b	300928	6428892	
793	300937	6428910	DB HOLDSWORTH & JD CLIFFORD
794	300929	6428923	DB HOLDSWORTH
795	300916	6428944	SA QUINN
796	300907	6428957	SB GUMB
797a	300903	6428972	C & DJ MONTGOMERY
797b	300882	6428980	
798	300890	6428996	PN FIBBINS
801	300861	6429044	AL HILL
802	300854	6429062	AJ ARMSTRONG
803a	300931	6429019	AL WATTS & PM DAWE
803b	300938	6429034	
804	300939	6429005	MJ WATTERS
805	300950	6428993	D NORTON
806	301182	6429263	DA & TM DALEY
807	301188	6429285	LLJ EVERETT
808	301193	6429304	KA SCOTT
809	301186	6429322	JH GEOGHEGAN
810	301192	6429342	HM WILD
811	301200	6429390	DL & S EMMETT

Receiver Name	Easting	Northing	Landowner
812	301200	6429408	AM RAISBECK
813	301209	6429429	EC BLENMAN
814	301214	6429448	EA JIMMIESON
815a	301220	6429487	CA & CG SCRIVEN
815b	301215	6429465	
816	301224	6429510	JS KAPERNICK
817	301248	6429567	JENNDREW PTY LTD
819	301374	6429740	PP & PF CURRY
820a	301396	6429771	BK ATTKINS & VJ BARNETT
820b	301373	6429781	
821	301408	6429788	JC & MJ POWELL
822	301419	6429797	LD & PJ GORDON
823a	301428	6429815	AG & HE ORTON
823b	301397	6429849	
824	301456	6429839	AT & JM COLLINS
825	301473	6429854	DS STRANEY
826	301479	6429866	AE & GR COLLINS
827	301492	6429875	GR COLLINS
828	301529	6429918	GJ SQUIRES & KM ORR
829a	301553	6429950	SL SMITH
829b	301550	6429962	
830	301573	6429960	ME CHILDS
831	301576	6429972	JE MERRIMAN
832	301587	6429983	IJ & L HICKEY
833	301600	6430004	CL & JG EDWARDS
834	301619	6430026	NR & ZC STONE
835	301635	6430041	BAG ACRES & SM MCGIVERN
836	301649	6430053	JR & VM HUGGINS
837	301659	6430062	RD RAY
838	301674	6430092	JL SWEETMAN
839	301693	6430104	LA EVANS
840	301705	6430114	NJ FRAZER & TC ROBINSON
841	301715	6430129	MJ BUDDEN
843a	301773	6430201	PW CHAPMAN
843b	301748	6430215	
844a	301876	6430314	RP GRAY
845	301982	6430441	DA BENNETT
846	301999	6430457	KF ZECHEL
847	302006	6430465	JC DENNIS
848	302025	6430475	S MACKENZIE
849	302036	6430488	JM ELLIS
850	302042	6430525	GC BRUNKER
853	302101	6430551	DG & MT WILD
854	302118	6430563	GS & TR JOHNSTON
855	302133	6430574	AA & KJ CLOSE
856	302148	6430586	PA DUNN
857	302159	6430600	DG & EA JIMMIESON
858	302173	6430613	TA NORMAN
859	302190	6430623	JF FIBBINS
860	302199	6430632	EC BATES & GT MASON
861	302215	6430644	GE WELDON
862	302230	6430660	WJ POWELL
863	302263	6430702	PA BOJBA
864	302283	6430713	BJ STRANG
865	302293	6430724	PJ BROWN
866	302369	6430885	BM HERON

Receiver Name	Easting	Northing	Landowner
867	302373	6430903	AJ SULTA & HJ FORDHAM
868	302380	6430923	MA & WG ASTILL & TK HOCKEY
870	302386	6430958	WD SMITH
871	302395	6430982	COWTIME INVESTMENTS PTY LTD & DN RAPHAEL PTY LTD
872a	302397	6431001	CS LOCKHART
900a	300949	6438379	NOTUSE PTY LIMITED
900b	300714	6437904	
901	300593	6437924	JH & LL MEDHURST
902	300594	6437940	AL & LR COX
903	300598	6437957	SA HASSELMANN
904	300601	6437976	BS & RL DOWELL
905	300603	6437993	JL & SA GEERIN
906	300606	6438012	KM & TJ DOW
907	300607	6438029	AD & MA TROMP
908	300607	6438051	BJ & TG KEEGAN
909	300615	6438078	RW MANNING
911	300648	6438099	BJ WARD
912	300643	6438048	GM COOK
913	300688	6438094	CM & SL MORAN
914	300712	6438090	MJ & SM SHEARMAN
915	300732	6438082	KA WILKINSON
916	300759	6438082	SJ & T CLIFFORD
917	300788	6438081	P WILLIAMS
918	300774	6438046	LJ WATSON
919	300768	6438029	BA ROBINS & TA MOXEY
920	300740	6438038	PM HOPMANS
921	300720	6438043	JE DIGGINS
922	300700	6438042	BL & RA MAHER
924	300663	6438004	AE BENNETT & MA KING
925	300661	6437985	GT LLOYD
926	300655	6437968	BC PAPWORTH
927	300649	6437951	JS & LM DUFFY
928	300645	6437931	AA BLACK
929	300634	6437913	JL & KH DUGGAN
930	300667	6437905	RP KING
931	300685	6437903	KL & MJH FENTON
932a	300714	6437939	RK CARTER
932b	300729	6437938	
933	300709	6437960	DC MCDONALD
934	300715	6437979	MB O'CONNELL
935a	300732	6437994	UNKNOWN OWNER
935b	300713	6437998	
936	300770	6437985	ECJ & MR COWARD
937	300762	6437965	LB KEEGAN
938	300756	6437947	CG BABER & SC PAPWORTH
939	300758	6437927	NJ FEENEY
940	300752	6437907	DJ & FE FITTOCK
941	300755	6437886	MD O'HARA
942	300812	6437876	BJ & K FLAHERTY
943	300820	6437894	JA WADDELL
944	300818	6437917	JC & ME MITCHELL
945a	300828	6437934	GE SECKOLD
945b	300838	6437938	
946	300831	6437952	BJ SNOW
947	300833	6437974	HM & PM HOBBS
948	300887	6437989	NE & S DANIELS

Receiver Name	Easting	Northing	Landowner
949	300833	6438002	AAC MILLER & AD MANNING
950	300835	6438022	GC & SL BOUNDY
951	300838	6438066	ME DIGGINS
952	300859	6438063	J RIORDAN & MR CLARK
953	300888	6438063	BG & RM BAILEY
954	300912	6438057	MR CORY
955	300900	6438012	JC PHELPS
956	300950	6438058	KR & VJ TAYLOR
957a	300833	6438430	DJ & KL FOLEY
957b	300946	6438038	
958	300943	6438018	CP BOTTRILL & GB AIRD
959	300940	6438000	MC THOMPSON
960	300937	6437979	JM & RJ NASH
961	300931	6437958	DT & R HARDCASTLE
962	300929	6437932	MJ FRENCH & SA LAUCHT
963	300921	6437912	LY & PW HARDES
964	300914	6437888	KA & VA BREEN
965	300955	6437879	AW MITCHELL & L PARKER
966	300984	6437891	MH & SJ NEWTON
967a	300987	6437911	L & S ALVOS
967b	300999	6437917	
968	300985	6437932	BF MILTON
969	300995	6437949	JA COLLISON
970	300992	6437972	SM BOND
971	300993	6437991	DG & TM GOOGE
972	301000	6438007	DJ & KJC SMITH
973	300997	6438031	JF & TL THOMPSON
974	301000	6438051	JB FINNERAN
976	301013	6438179	MJ HAYNES
977a	300784	6438419	ML & TB THOMPSON
977b	300951	6438140	
978	301027	6438198	NJ ERVINE
979a	301007	6438441	KG HINDER
979b	301028	6438222	
980	301040	6438271	US ING
981a	301024	6438278	LA SINCLAIR
981b	301017	6438263	
982	301007	6438278	JF FLAHERTY
983	300983	6438280	DG BRIGGS & JL WAKELING
984	300983	6438239	C BOURKE
985	300968	6438215	SR TAYLOR
986	300948	6438280	BK BIRD
987	300912	6438286	LG FITZSIMMONS
988a	300893	6438295	BS PURVIS
988b	300897	6438272	
989a	300872	6438298	DT & PN STOKES
989b	300878	6438278	
990	300870	6438266	DJ NASH
991	300868	6438244	MLV & NM ERVINE
992	300869	6438224	GC PARTRIDGE
993a	300920	6438139	JM & R BURGIN
993b	300904	6438167	
994a	300868	6438203	DC & JL MILWAIN
994b	300880	6438197	
995	300870	6438186	EJ WINDLE
997	300853	6438146	L & MS LAMBLEY

Receiver Name	Easting	Northing	Landowner
998	300852	6438129	BRUIN DEVELOPMENTS PTY LIMITED
999	300660	6438419	BR PARKINSON
1000	300727	6438401	JL TEAGUE
1001	300732	6438426	BJ & CA KINGDOM
1002	300736	6438444	CM & RJ THOMPSON
1003	300738	6438463	CD NIGHTINGALE
1004	300741	6438483	K BEST-WILLIAMS & T IDA
1005	300743	6438502	TJ SMITH
1006	300747	6438518	JD COLLESS
1007	300745	6438538	ARH & SE MCEWAN
1008	300750	6438557	J GOLLAN
1009	300799	6438542	MA CHANDLER
1010	300797	6438502	TW O'CONNELL
1011	300789	6438473	BJ & ED WENBAN
1012	300785	6438447	A & CM KOMACHA
1014	300778	6438400	CP & DL DOUGLASS
1015	300776	6438377	BW PRIGG
1016	300826	6438384	KA & TJ SMITH
1017	300832	6438412	SD HOBBS
1018	300836	6438450	SF LESLIE
1019	300832	6438466	T O'ROURKE
1020	300844	6438485	AJ GROENEVELD & RS BALDWIN
1021	300845	6438503	PJ & SM JONES
1022	300846	6438524	VA ASARA
1023	300848	6438542	GR & JE HUGHES
1024	300911	6438498	DK & LY BUCKMAN
1025	300889	6438389	KJ NEWTON & MR JORDAN
1026	300882	6438359	LT ZIEBELL
1027	300904	6438357	DH WALDRON-LAMOTTE & DM DIGGINS
1028	300944	6438351	AJ & CJ & KJ & LJ SAVAGE
1029	300954	6438396	KJ & SB MCLIESH
1030	300953	6438411	ME DAY
1031	300957	6438462	WL BRAZELL
1032	300968	6438476	BA & VJ RAY
1033	300966	6438490	AJ & ML BRUGNATTI
1034	300975	6438518	KM & TR IRELAND
1035	301012	6438510	JL GAFFNEY & SJ IRVING
1036a	301035	6438511	D & P AVARD
1036b	301025	6438487	
1037	301021	6438472	AP & MJ MORRISON & PA BOND
1038	301009	6438458	JA & KM TUCKERMAN
1039	301008	6438422	AJ & DJ MORRISON
1040	301000	6438406	NL WALTERS
1041	301003	6438386	BS MILLS
1042	301000	6438373	DS & LY CROFT
1043	300987	6438342	KM WARD & PS WHITEHEAD
1044	301011	6438341	CW & RA HINZE
1045	301071	6438451	PM HOBBS
1046	301080	6438506	AM WILKS
1076a	300189	6439437	210 GLENCOE PTY LIMITED
1076b	300182	6439425	
1077	301135	6438268	DN & DM MURPHY
1078	301224	6438257	BA WATSON
1079	301297	6438248	DA & LJ ALLITT
1080	301305	6438291	CR CHURCHER & TL BARNETT
1081	301224	6438311	JM IRVING

Receiver Name	Easting	Northing	Landowner
1082a	301176	6438317	GA & PJ WATSON
1082b	301128	6438325	
1083	301910	6440602	CA & LE STEANE
1084	302272	6440756	IJ CHANDLER
1100a	286450	6420099	SPUR HILL AGRICULTURAL PTY LIMITED
1100b	286413	6419986	
Residential – Mine-owned			
23	299048	6427365	MACH ENERGY AUSTRALIA PTY LTD
68	299975	6429059	
80a	300556	6429466	
130	298497	6432217	
135	299993	6432183	
135b	299985	6432196	
139	300664	6432961	
158	299064	6435065	
231	300494	6429495	
263	291456	6427229	
1p	299904	6430905	
1r	298205	6432843	
1s	298548	6432873	
1u	296124	6432944	
1v	296246	6432980	
1w	297962	6432999	
1x	297435	6433109	
1z	299217	6434301	
1aa	297760	6434397	
1ab	299083	6434402	
1ac	299172	6427657	
1ad	293038	6436803	
1ae	298781	6428443	
1af	299583	6428764	
1ag	299663	6428879	
1ah	299927	6429227	
1ai	299940	6429238	
1aj	299956	6429248	
1ak	299971	6429258	
1al	299990	6429263	
1am	300115	6429782	
1ar	299929	6430146	
1as	299936	6430180	
1av	299880	6430325	
1aw	299794	6430383	
1ax	299850	6430393	
1bb	299528	6429084	
1bc	299843	6430417	
1bd	292203	6436085	
1be	298964	6433850	
1bf	299494	6432984	
1bg	299579	6433033	
1bh	297786	6434384	
2i	299422	6428720	
246	292869	6423439	MITSUI BENGALLA INVESTMENT PTY LTD & NEW HOPE BENGALLA PTY LTD & TAIPOWER BENGALLA PTY LIMITED & WESFARMERS BENGALLA LIMITED
246b	292827	6423488	
2b	297852	6427740	
2d	300478	6428153	
2e	298360	6428431	

Receiver Name	Easting	Northing	Landowner
2f	297839	6428519	
2n	293016	6423529	
2o	292327	6423978	
2p	292261	6423979	
2r	292255	6424068	
2s	292244	6424131	
2w	291603	6425848	
2x	298372	6426397	
2y	298379	6426499	
2z	298455	6426572	
2aa	298331	6426590	
2ab	298487	6426609	
2ad	298532	6426702	
2af	298638	6426785	
2ai	297627	6426970	
2aj	298761	6427330	
2al	297792	6427735	
2am	298689	6426768	
2an	292183	6423976	
2ao	292219	6423991	
7	298473	6426130	HUNTER VALLEY ENERGY COAL PTY LTD
211	299510	6426190	
299	291514	6421737	
487b	292201	6422345	
5f	298436	6426200	
5g	298394	6426282	
5i	291555	6421395	
5j	289651	6421421	
5k	291644	6421571	
5l	291885	6422033	
5m	293826	6422113	
5p	293238	6422606	
5r	295705	6423948	
5t	296635	6424344	
5v	290218	6424814	
5x	290262	6424901	
5y	298999	6424940	
5z	299120	6424980	
5aa	299061	6424990	
5ab	299688	6425014	
5ad	299776	6425226	
5af	299751	6425111	
5ag	292922	6419062	
5ah	290815	6419814	
5ai	291298	6420470	
5aj	292757	6421175	
5ak	292638	6421335	
5al	290316	6422361	
5am	294763	6422881	
3a	301399	6434808	AQC DARTBROOK PTY LTD / ACQ DARTBROOK MANAGEMENT PTY LTD
3b	301340	6434860	
3c	299281	6435044	
3d	301334	6435088	
3e	301328	6435121	
3f	301318	6435358	
3g	299244	6435790	

Receiver Name	Easting	Northing	Landowner
3i	300385	6436172	
3j	301314	6436186	
3k	298996	6436304	
3m	297969	6436400	
3n	299588	6436754	
3o	297891	6436910	
3p	297513	6436961	
3r	297666	6438671	
3s	297228	6438718	
3t	299041	6436269	
3u	299122	6436239	
3v	298608	6435243	
3w	295638	6440217	
3x	296832	6440636	
3y	296781	6440589	
3z	297083	6439587	
3aa	297087	6439710	
3ab	297221	6440054	
3ac	297344	6440245	
3ad	297211	6440039	
274	288805	6435160	MUSWELLBROOK COAL COMPANY LTD
7_416	287603	6434882	
7_463	286578	6429561	
7b	287607	6421748	
7c	287634	6421808	
7d	288584	6426061	
7e	287897	6427953	
7f	286866	6428574	
7g	287939	6432773	
7h	288912	6434317	
7i	288167	6434615	
7j	289296	6434614	
7k	289565	6436700	
7l	287617	6421769	
7m	289194	6433777	
7n	304429	6431978	
7o	305277	6432484	
8b	286950	6420596	MANGOOLA COAL OPERATIONS PTY LIMITED
8c	286886	6420607	
8e	286763	6422241	
8f	287201	6425412	
8h	287586	6427892	
8i	286574	6428572	
8j	286934	6420591	
8k	286767	6422296	
8l	287514	6427944	
8m	287576	6427885	
8n	286556	6428591	
8o	286387	6424379	
8p	286336	6424834	
Mal1	303998	6422187	MALABAR COAL (DRAYTON MANAGEMENT) PTY LTD
Mal2	305129	6422061	
Mal3	304129	6422562	
Residential - Council and State			
286e	304914	6423909	MUSWELLBROOK SHIRE COUNCIL
286f	305181	6423967	

Receiver Name	Easting	Northing	Landowner
UHSC1	300616	6440363	THE COUNCIL OF THE SHIRE OF SCONE
N1	300905	6438529	THE HOUSING COMMISSION OF NEW SOUTH WALES
N2	300925	6438525	
N3	300943	6438524	
N4	300960	6438523	
N5	300905	6438483	NEW SOUTH WALES LAND AND HOUSING CORPORATION
N6	300902	6438470	
N7	300899	6438454	
N8	300898	6438435	
N9	300896	6438422	
N10	300890	6438403	
N11	300924	6438351	THE HOUSING COMMISSION OF NEW SOUTH WALES
N12	301077	6438487	
N13	301073	6438470	
N14	301069	6438434	
N15	301068	6438416	
N16	301066	6438399	
N17	301062	6438381	
N18	301058	6438363	
N19	301056	6438345	
N20	301049	6438328	
N21	301035	6438241	NEW SOUTH WALES LAND AND HOUSING CORPORATION
N22	303781	6432747	MINISTER FOR CORRECTIVE SERVICES
N23	303791	6432764	
N24	303802	6432778	
N25	303952	6433292	
N26	303940	6433330	
N27	303973	6433346	
N28	302450	6431157	ROADS AND TRAFFIC AUTHORITY OF NEW SOUTH WALES
Aged Care			
658a	300880	6428415	TRUSTEES OF CHURCH PROPERTY FOR THE DIOCESE OF NEWCASTLE
658b	300982	6428403	
658c	300989	6428353	
658d	300981	6428334	
658e	300960	6428334	
Prison			
MP1	304175	6433242	MINISTER FOR CORRECTIVE SERVICES
MP2	304292	6433139	
MP3	304292	6433351	
MP4	304195	6433306	
MP5	304197	6433303	
MP6	304242	6433264	
MP7	304244	6433274	
MP8	304245	6433226	
MP9	304250	6433273	
MP10	304276	6433183	
MP11	304277	6433168	
MP12	304278	6433220	
MP13	304284	6433261	
MP14	304284	6433283	
MP15	304289	6433285	
MP16	304296	6433271	
MP17	304305	6433189	
MP18	304308	6433262	
MP19	304310	6433148	
MP20	304312	6433223	

Receiver Name	Easting	Northing	Landowner
MP21	304315	6433136	
MP22	304320	6433355	
MP23	304324	6433237	
MP24	304328	6433170	
MP25	304335	6433223	
MP26	304339	6433208	
MP27	304339	6433231	
MP28	304341	6433307	
MP29	304344	6433181	
MP30	304346	6433164	
MP31	304346	6433227	
MP32	304348	6433171	
MP33	304349	6433179	
MP34	304350	6433219	
MP35	304352	6433354	
MP36	304353	6433126	
MP37	304355	6433174	
MP38	304360	6433181	
MP39	304373	6433277	
MP40	304382	6433150	
MP41	304392	6433251	
MP42	304401	6433111	
MP43	304407	6433185	
MP44	304408	6433234	
MP45	304423	6433232	
MP46	304439	6433225	
MP47	304442	6433188	
MP48	304468	6433259	
MP49	304477	6433171	
MP50	304527	6433241	
MP51	304539	6433239	
MP52	304551	6433176	
MP53	304582	6433232	
MP54	304583	6433184	
MP55	304589	6433154	
MP56	304591	6433165	
MP57	304593	6433173	
MP58	304612	6433252	
MP59	304612	6433249	
MP60	304612	6433247	
MP61	304615	6433247	
MP62	304616	6433226	
MP63	304624	6433210	
MP64	304627	6433212	
MP65	304627	6433217	
MP66	304635	6433236	
MP67	304646	6433251	
MP68	304654	6433251	
MP69	304665	6433177	
MP70	304679	6433217	
MP71	304687	6433063	
MP72	304689	6433175	
MP73	304703	6433106	
MP74	304778	6433134	
MP75	304861	6433021	
MP76	304869	6433058	

Receiver Name	Easting	Northing	Landowner
MP77	304871	6433041	
MP78	304873	6433019	
MP79	304879	6433068	
MP80	304883	6432951	
MP81	304883	6433039	
MP82	304885	6433018	
MP83	304888	6433083	
MP84	304890	6433066	
MP85	304893	6433054	
MP86	304895	6433037	
MP87	304897	6433016	
MP88	304903	6433065	
MP89	304906	6433091	
MP90	304907	6433036	
MP91	304909	6433014	
MP92	304910	6433051	
MP93	304912	6433081	
MP94	304915	6433063	
MP95	304918	6433090	
MP96	304919	6433034	
MP97	304922	6433013	
MP98	304922	6433050	
MP99	304925	6433106	
MP100	304926	6433078	
MP101	304928	6432995	
MP102	304932	6433061	
MP103	304934	6433010	
MP104	304934	6433118	
MP105	304938	6433135	
MP106	304939	6433104	
MP107	304940	6432761	
MP108	304940	6432992	
MP109	304942	6432941	
MP110	304943	6433030	
MP111	304945	6433116	
MP112	304946	6433134	
MP113	304950	6433059	
MP114	304952	6432991	
MP115	304952	6433085	
MP116	304953	6433103	
MP117	304954	6432939	
MP118	304954	6433133	
MP119	304955	6433029	
MP120	304958	6433008	
MP121	304964	6432989	
MP122	304964	6433084	
MP123	304964	6433114	
MP124	304966	6432937	
MP125	304966	6433131	
MP126	304967	6433026	
MP127	304968	6433101	
MP128	304970	6433006	
MP129	304970	6433073	
MP130	304977	6433056	
MP131	304978	6433129	
MP132	304979	6433082	

Receiver Name	Easting	Northing	Landowner
MP133	304980	6432934	
MP134	304980	6433025	
MP135	304980	6433100	
MP136	304982	6433004	
MP137	304983	6433071	
MP138	304986	6433040	
MP139	304991	6433098	
MP140	304991	6433128	
MP141	304994	6433110	
MP142	304996	6433079	
MP143	304996	6433069	
MP144	304997	6433038	
MP145	304999	6432695	
MP146	305003	6433096	
MP147	305007	6433108	
MP148	305011	6433020	
MP149	305012	6433037	
MP150	305013	6433077	
MP151	305015	6433067	
MP152	305016	6433051	
MP153	305021	6432691	
MP154	305023	6433018	
MP155	305027	6432730	
MP156	305027	6433101	
MP157	305028	6433017	
MP158	305031	6432935	
MP159	305033	6432670	
MP160	305037	6432983	
MP161	305040	6432877	
MP162	305049	6433092	
MP163	305054	6432848	
MP164	305054	6433090	
MP165	305059	6432837	
MP166	305064	6433145	
MP167	305070	6433197	
MP168	305079	6432863	
MP169	305084	6433163	
MP170	305094	6432805	
MP171	305095	6432897	
MP172	305099	6432860	
MP173	305125	6432912	
MP174	305129	6432839	
MP175	305140	6432925	
MP176	305167	6432903	
School			
N30	300752	6428412	MINISTER FOR EDUCATION
N31	300779	6428412	
N32	300783	6428432	
N33	300762	6428447	
Churches			
520	303177	6431293	JEHOVAH'S WITNESSES CONGREGATIONS
658b	300972	6428497	TRUSTEES OF CHURCH PROPERTY FOR THE DIOCESE OF NEWCASTLE
658c	300960	6428359	
616c	300772	6427803	BAPTIST CHURCHES OF NEW SOUTH WALES PROPERTY TRUST
N34	303965	6433325	MINISTER FOR CORRECTIVE SERVICES
Heritage			

Receiver Name	Easting	Northing	Landowner
H1	288293	6420171	DJ PHILLIPS
H2	300946	6428412	TRUSTEES OF CHURCH PROPERTY FOR THE DIOCESE OF NEWCASTLE
H3	298206	6426818	MITSUI BENGALLA INVESTMENT PTY LTD & NEW HOPE BENGALLA PTY LTD & TAIPOWER BENGALLA PTY LIMITED & WESFARMERS BENGALLA LIMITED
H4	297179	6426711	
H5	297181	6426697	
H6	297156	6426693	
H7	297151	6426735	
H8	297137	6426744	
H9	297131	6426788	
H10	297825	6427713	
H11	299151	6425520	HUNTER VALLEY ENERGY COAL PTY LTD
H12	295976	6424195	
H13	296002	6424237	
H14	296019	6424249	
H15	296060	6424240	
H16	296080	6424229	
H17	296100	6424213	
H18	296125	6424212	
H19	303858	6433274	MINISTER FOR CORRECTIVE SERVICES
Recreational			
658d	300983	6428376	TRUSTEES OF CHURCH PROPERTY FOR THE DIOCESE OF NEWCASTLE
Commercial (Accommodation)			
622b	300813	6428070	JJ MCKINLEY & JD MCKINLEY
622c	300810	6428060	
622d	300822	6428053	
622e	300828	6428059	
622f	300833	6428065	
622g	300837	6428070	
622h	300818	6428046	
622i	300815	6428042	
622j	300810	6428032	
622k	300813	6428036	
622l	300806	6428022	
622m	300805	6428015	
622n	300805	6428005	
622o	300811	6427986	
622p	300813	6427981	
622q	300819	6427974	
622r	300828	6427967	
622s	300839	6427963	
622t	300844	6427958	
622u	300775	6427926	
622v	300777	6427932	
622w	300853	6427954	
622x	300788	6427916	
622y	300808	6427915	
622z	300824	6427913	
622aa	300833	6427918	
622ab	300839	6427923	
622ac	300779	6427938	
622ad	300782	6427943	
622ae	300786	6427956	
622af	300789	6427963	
622ag	300792	6427970	
975	300992	6438136	WALEMA INVESTMENTS PTY LIMITED
Commercial			

Receiver Name	Easting	Northing	Landowner
6	298610	6426132	MUSWELLBROOK RACE CLUB LIMITED
195e	302049	6432884	RK YOUNG & T YOUNG
140b-1	302278	6430796	DAPKOS PTY LIMITED
140b-2	302298	6430770	
140b-3	302319	6430829	
140b-4	302269	6430825	
202c	301708	6431218	DN RAPHAEL
202d	301641	6431256	
202e	301651	6431306	
202f	301684	6431300	
202g	301677	6431286	
411d	294973	6439996	DL CADDEY
414b	300767	6440483	PG LUCK
414c	300775	6440491	
414d	300775	6440479	
414e	300763	6440517	
414f	300784	6440530	
472d	289233	6422879	JDM MARKHAM
472e	289198	6422896	
472f	289322	6422944	
472g	289359	6422932	
472h	289316	6423002	
472i	289286	6423020	
472j	289216	6423051	
472k	289150	6423080	
472l	289413	6423059	
472m	289357	6423114	
489	296045	6424961	ALIFORM PTY. LIMITED
540	300567	6427625	GRENTELL PTY LIMITED
546a	300298	6427589	SJ SCOTT
546b	300339	6427586	
546c	300347	6427604	
617b	300800	6427830	CD NEWTON & RA NEWTON
617c	300748	6427882	
617d	300745	6427854	
617e	300733	6427864	
617f	300741	6427866	
617g	300800	6427807	
617h	300771	6427818	
617i	300782	6427846	
620	300874	6427863	MA WILSON
622ah	300810	6427938	JJ MCKINLEY & JD MCKINLEY
622ai	300812	6427950	
611aj	300848	6427943	
622ak	300862	6427948	
625	300904	6427946	GDRM PROPERTY HOLDINGS PTY LIMITED
629	300925	6427900	HELLOCA PTY LIMITED
626	300902	6427878	S PHIYASIRIKUL
627	300911	6427885	XQ SU & X WANG
628	300918	6427890	BR PETERS & SM PETERS
630a	300969	6427939	MUSWELLBROOK & DISTRICT WORKERS' CLUB LTD
630b	300949	6427957	
630c	300951	6427920	
630d	300994	6427975	
656	300927	6428312	KR TIMPSON
674a	300764	6428614	HUNTER TERRACE PTY LIMITED

Receiver Name	Easting	Northing	Landowner
674b	300732	6428613	
818a	301322	6429712	LYSTURN PTY LIMITED
818b	301318	6429690	
844b	301864	6430299	RP GRAY
872b	302387	6431018	CS LOCKHART
1085	301174	6438420	ENEF INVESTMENTS PTY LTD
1bi	297450	6433177	MACH ENERGY AUSTRALIA PTY LTD
1bj	297451	6433185	
1bk	297452	6433192	
1bl	297453	6433200	
1bm	297454	6433208	
1bn	297455	6433216	
1bo	297456	6433223	
1bp	297457	6433231	
1bq	297458	6433239	
1br	297459	6433246	
2ap	292350	6423979	MITSUI BENGALLA INVESTMENT PTY LTD & NEW HOPE BENGALLA PTY LTD & TAIPOWER BENGALLA PTY LIMITED & WESFARMERS BENGALLA LIMITED
2aq	292215	6424163	
2ar	292208	6424153	
5h	289886	6421308	HUNTER VALLEY ENERGY COAL PTY LTD
5w	290175	6424831	
5an	289922	6421309	
5ao	289865	6421347	
5ap	290190	6424811	
8q	286898	6420715	MANGOOLA COAL OPERATIONS PTY LIMITED
Mal4	304171	6421187	MALABAR COAL (DRAYTON MANAGEMENT) PTY LTD
Mal5	304178	6421225	
Mal6	304108	6421201	
UHSC2	300508	6437938	SCONE SHIRE COUNCIL
UHSC3	300538	6437969	
UHSC4	300529	6437944	
N29	303474	6432379	MINISTER FOR CORRECTIVE SERVICES

Appendix B

Selection of Modelling Year

A statistical analysis of seven contiguous years of meteorological data from the Scone Airport Automatic Weather Station (AWS) is presented in **Table B-1**. The standard deviation of the seven years was analysed against the long-term measured wind speed, temperature and relative humidity spanning a 14 to 19-year period recorded at the station.

The analysis indicates that 2014 and 2016 are closest to the long-term average for wind speed, followed closely by 2015. The closest year to the long-term average for temperature is 2013, followed by 2015. For relative humidity, 2015 is the closest and shows greater variation between the selected years.

This analysis suggests 2015 could be considered as the most representative of the long-term measured wind speed, temperature and relative humidity. Further analysis of 2015 against the other years was performed to determine its suitability.

Table B-1: Statistical analysis results of standard deviation from long-term meteorological data at Scone Airport AWS

Year	Wind speed	Temperature	Relative humidity
2013	0.38	0.90	5.42
2014	0.30	1.03	5.82
2015	0.32	0.97	3.76
2016	0.30	1.16	6.35
2017	0.36	1.45	8.32
2018	0.34	1.22	9.37
2019	0.39	1.65	10.84

Figure B-1 presents a graphical analysis of monthly meteorological conditions at the Scone Airport AWS from 2013 to 2019. The monthly conditions for a range of meteorological parameters are expressed as the maximum, minimum and 25th and 75th percentiles. The 2015 data are presented as the orange line for comparison with the range of the data set shown in the blue colours.

The 2015 data trend relatively well with the monthly average of the dataset values for temperature and overall show little inter-annual variation for temperature. The relative humidity during 2015 shows typically above-average levels for most of the year. The wind speed indicates levels above the monthly average in the first half of the year and typically below in the second half.

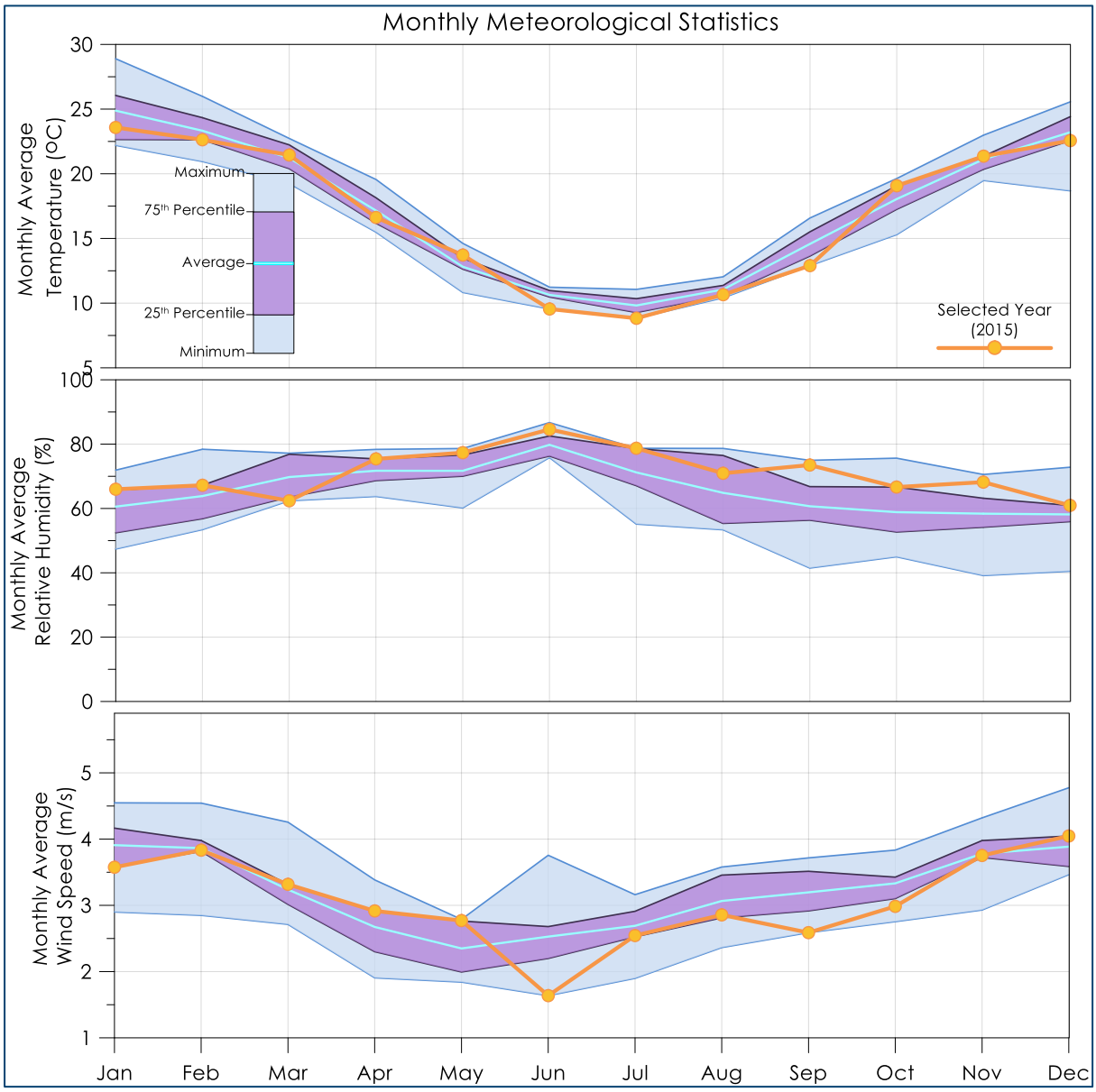


Figure B-1: Graphical analysis of meteorological conditions at Scone Airport AWS

A frequency distribution of the meteorological parameters is shown in **Figure B-2**. The graphs indicate that 2015 trends very close to the mean value for each of the meteorological parameters assessed.

Further detailed analysis of the distribution of the meteorological parameters is shown in **Figure B-3**. The graphs on the left-hand side show the frequency distribution for each year and the graphs on the right-hand side show the deviation from the mean value for each of the years.

For wind speed, each year shows a similar deviation from the mean. The wind direction in 2014 and 2016 shows noticeable deviation in frequency of winds from the south and from the north-west in 2016. Temperature in 2015 indicates a higher frequency of values approximately at 20 degrees Celsius and during 2017 for temperatures approximately ranging from 10 to 20 degrees Celsius. For relative humidity, 2015 and 2017 values at approximately 30% show noticeable deviation.

Overall this analysis indicates that 2015 is generally representative of the long-term average and does not indicate any significant variation of the last five years of data.

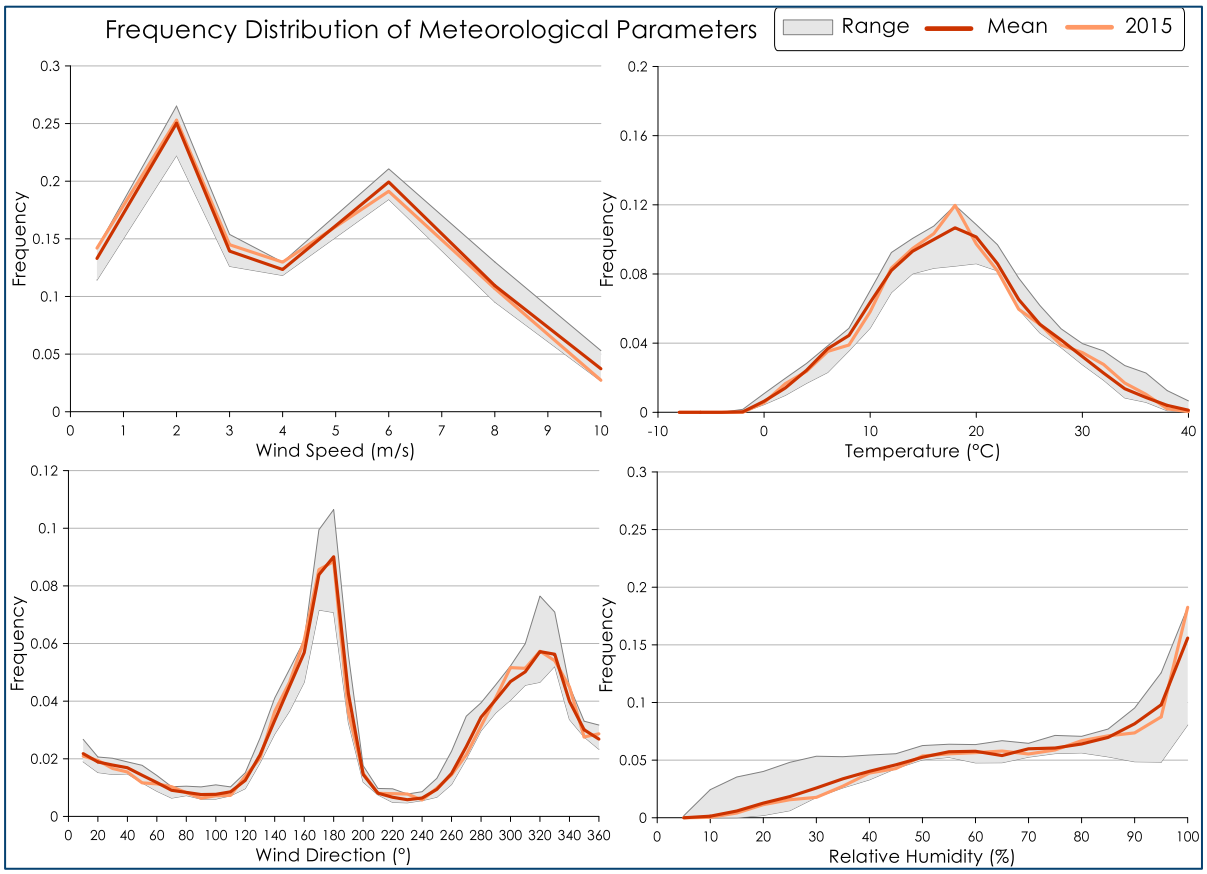


Figure B-2: Frequency distribution of meteorological parameters (2013 – 2019)

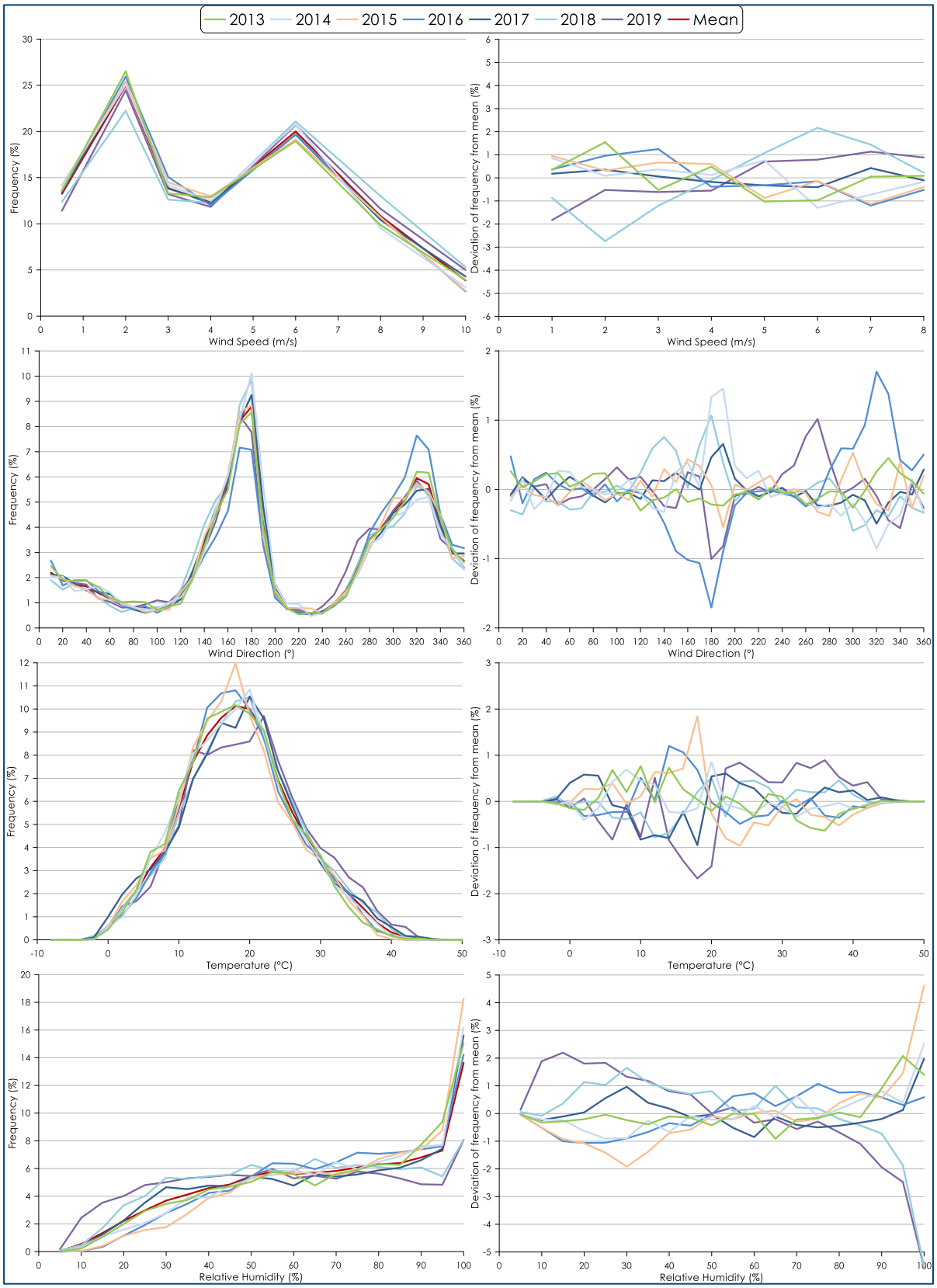


Figure B-3: Frequency distribution of meteorological parameters and standard deviation from mean (2013 – 2019)

Annual rainfall over the last seven-year period at the Scone Airport AWS with the long-term average is shown in **Figure B-4**. Annual rainfall during 2014, 2017, 2018 and 2019 was below the long-term average of 591 millimetres (mm) with the 2013, 2015 and 2016 above the long-term average.

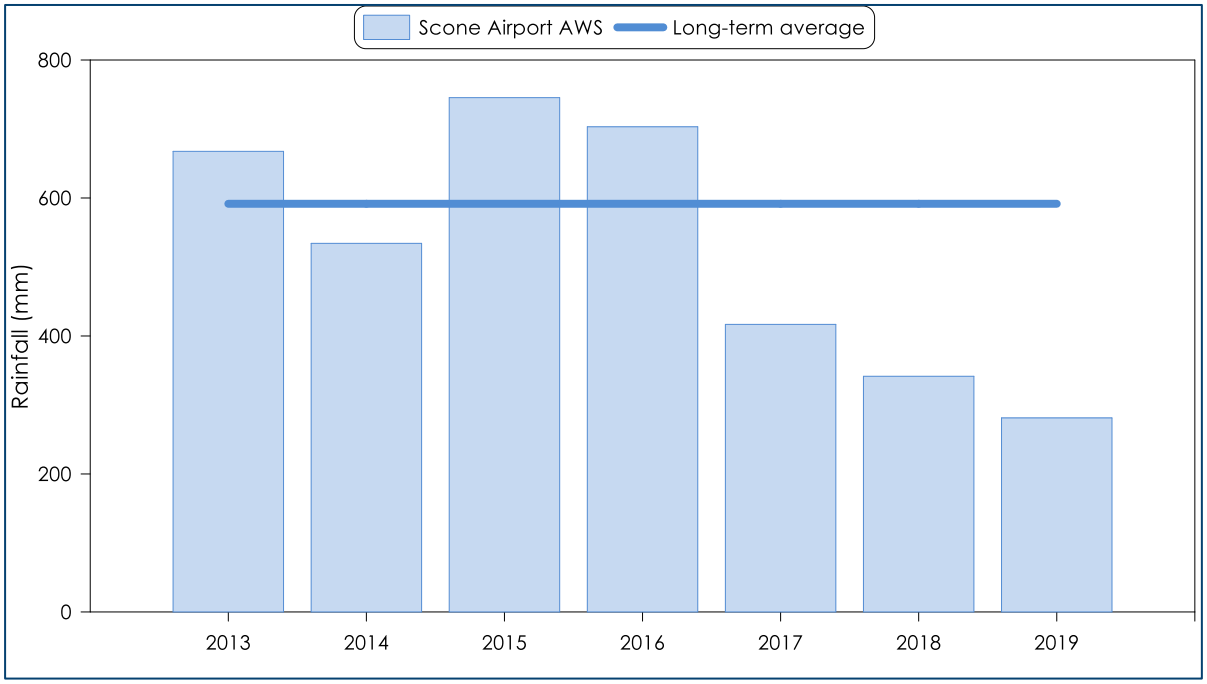


Figure B-4: Annual rainfall – Scone Airport AWS

Background dust levels can reduce due to rainfall. **Figure B-5** shows the monthly average PM_{10} concentrations with monthly rainfall levels in Muswellbrook. However, this does not mean there will be a relationship between high rainfall and low dust levels over the long-term, as can be seen in **Figure B-6**. The figure presents annual average PM_{10} and $PM_{2.5}$ levels from the Muswellbrook OEH monitor compared with the annual rainfall for the 2013 to 2019 period from the Muswellbrook (St Heliers) BoM station. It can be seen from the graphs in **Figure B-6** that there is no clear correlation between annual dust levels and annual rainfall over the last five years of data in this location.

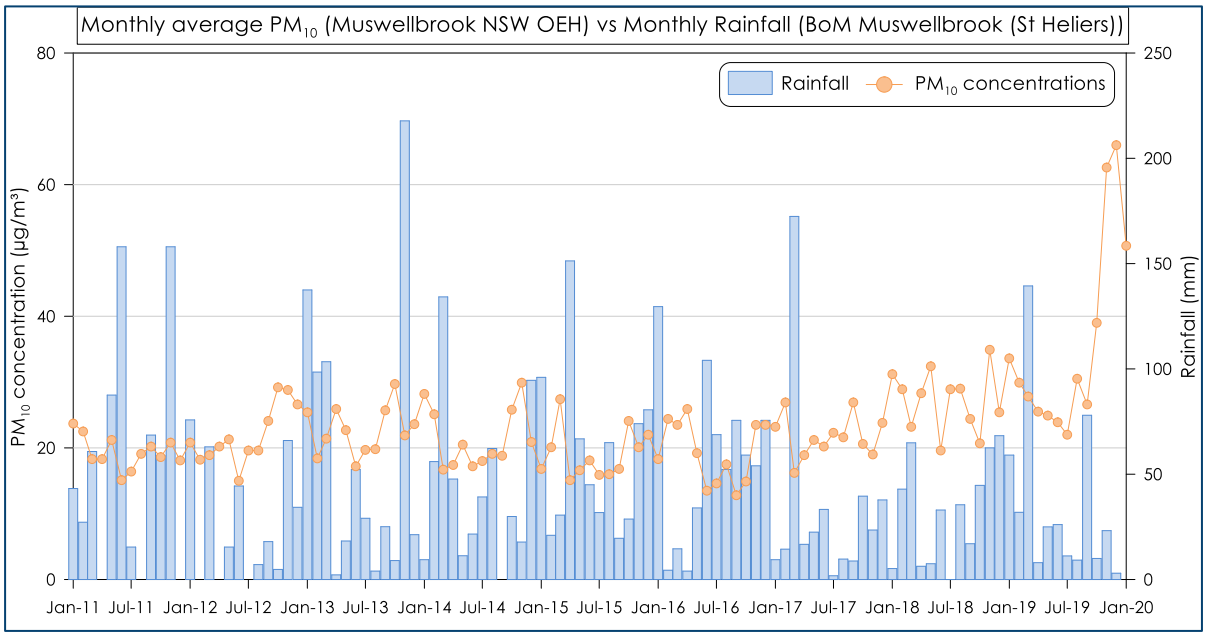


Figure B-5: Monthly average PM_{10} levels vs monthly rainfall for Muswellbrook

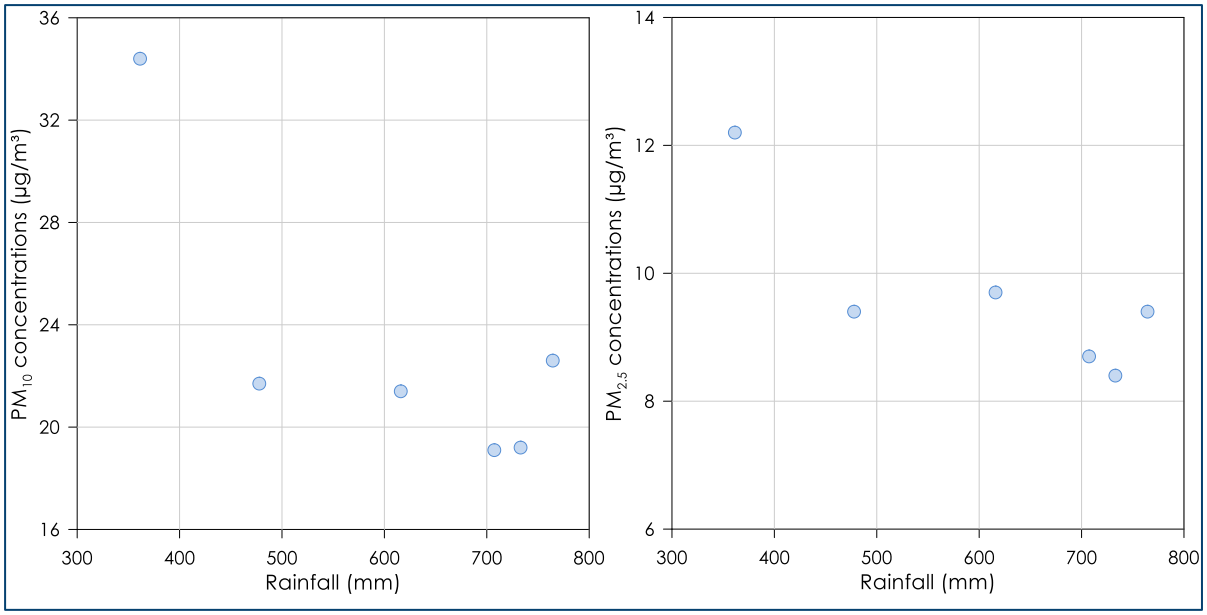


Figure B-6: Correlation of annual average PM_{10} and $PM_{2.5}$ concentrations with rainfall

A score weighting analysis was performed to consider the deviation from the average for each of the last five years of meteorological and dust monitoring data in **Table B-2**. The values shaded in light-blue indicate the lowest deviation and in orange the highest deviation.

The score value is based on the weighting of the different parameters as considered most relevant for the purposes of air dispersion modelling and assessment. The score for 2015 is lowest indicating it is most representative. The meteorological year is generally selected only by considering representative meteorological data. In this case 2015 is also the most representative year, even when dust levels are also considered.

Table B-2: Score weighting analysis of modelling year selection

	WS	WD	Temp.	R.H.	PM_{10}	$PM_{2.5}$	Score with dust	Score
Weighting	2	4	1	1	1	2		
2013	0.35	0.22	0.16	0.29	0.96	0.98	3.95	2.02
2014	0.29	0.26	0.17	0.50	0.90	1.01	4.20	2.28
2015	0.30	0.12	0.21	0.65	0.81	0.91	3.67	1.96
2016	0.24	0.35	0.17	0.37	0.81	0.88	4.08	2.40
2017	0.22	0.24	0.19	0.54	0.92	0.98	4.03	2.14
2018	0.57	0.33	0.13	0.45	1.15	0.98	5.17	3.04
2019	0.39	0.35	0.25	0.69	1.45	1.27	5.84	3.11

WS = wind speed, WD = wind direction, Temp. = temperature, R.H. = relative humidity

Based on the analysis presented in **Table B-2**, the 2015 calendar year was chosen to be most suitable for use in dispersion modelling.

Appendix C

Emission Calculation

Emission Calculation

The mining schedule and mine plan designs provided by the Proponent have been combined with emissions factor equations that relate to the quantity of dust emitted from particular activities based on intensity, the prevailing meteorological conditions, and composition of the material being handled.

Emission factors and associated controls have been sourced from the US EPA AP42 Emission Factors (**US EPA, 1995 and Updates**), the National Pollutant Inventory document *Emission Estimation Technique Manual for Mining, Version 3.1* (**NPI, 2012**) and the NSW EPA document, *NSW Coal Mining Benchmarking Study: International Best Practice Measures to Prevent and/or Minimise Emissions of Particulate Matter from Coal Mining*, prepared by Katestone Environmental (**Katestone Environmental, 2010**).

The emission factor equations used for each dust-generating activity are outlined in **Table C-1** below. Detailed emission inventories for each scenario are presented in **Table C-2** to **Table C-7**.

Control factors include the following:

- Hauling on unpaved surfaces – 80% to 90% control for watering of trafficked areas. Note the control factor is only applied to the mechanically generated emissions and not the contributions from the diesel exhaust emissions
- Drilling overburden material – 70% control for use of dust suppression.
- Unloading ROM to hopper at CHPP – 85% control for use of enclosure and fogging sprays.
- Conveyor transfer points – 70% control enclosures and water sprays.
- Conveyor – 70% control for enclosed conveyors.
- Loading product coal to stockpile – 25% for use of luffing stacker.
- Overburden emplacement areas – 21% for primary rehabilitation, watering of exposed surface and surface crusting. Control factor is based on applying 30% control to 70% of the inactive area.
- Open cut – 18% for inactivity and surface crusting/ stabilisation. Control factor is based on applying 30% control to 60% of the inactive area.
- Topsoil stockpiles – 65% for watering stockpile surface and vegetative wind breaks.
- Initial rehabilitation – 70% for vegetative ground cover.

Potential air emissions associated with locomotives idling at the rail loop have been included in the emissions inventory. Emission estimates assume three locomotives idling continuously with emission based on Class 81 locomotive emission rates (**Parsons Brinckerhoff, 2012**).

Air emissions associated with the operation of the diesel-powered equipment have been estimated based on the number of equipment, power rating, hours of operation and emission factors sourced from the NSW EPA document *NSW Coal Mining Benchmarking Study Best-practice measures for reducing non-road diesel exhaust emissions* (**NSW EPA, 2014**). Emission factors for Scenario 1 are based on Tier 2 equipment and in Scenario 2 and 3 assume Tier 4 equipment. A detailed emission inventory for diesel emissions is presented in **Table C-8**.

Table C-1: Emission factor equations

Activity	Emission factor equation		
	TSP	PM_{10}	$PM_{2.5}$
Drilling (overburden)	$EF = 0.59\ kg/hole$	$0.52 \times TSP$	$0.03 \times TSP$
Blasting (overburden)	$EF = 0.00022 \times A^{1.5}\ kg/blast$	$0.52 \times TSP$	$0.03 \times TSP$
Loading / emplacing overburden & loading product coal to stockpile & conveyor transfer	$EF = 0.74 \times 0.0016 \times \left(\frac{U}{2.2}^{1.3} / \frac{M^{1.4}}{2}\right)\ kg/tonne$	$EF = 0.35 \times 0.0016 \times \left(\frac{U}{2.2}^{1.3} / \frac{M^{1.4}}{2}\right)\ kg/tonne$	$EF = 0.053 \times 0.0016 \times \left(\frac{U}{2.2}^{1.3} / \frac{M^{1.4}}{2}\right)\ kg/tonne$
Hauling on unsealed surfaces	$EF = \left(\frac{0.4536}{1.6093}\right) \times 4.9 \times (s/12)^{0.7} \times (1.1023 \times M/3)^{0.45}\ kg/VKT$	$EF = \left(\frac{0.4536}{1.6093}\right) \times 1.5 \times (s/12)^{0.9} \times (1.1023 \times M/3)^{0.45}\ kg/VKT$	$EF = \left(\frac{0.4536}{1.6093}\right) \times 0.15 \times (s/12)^{0.9} \times (1.1023 \times M/3)^{0.45}\ kg/VKT$
Dozers on overburden	$EF = 2.6 \times \frac{s^{1.2}}{M^{1.3}}\ kg/hour$	$EF = 0.45 \times \frac{s^{1.5}}{M^{1.4}} \times 0.75\ kg/hour$	$EF = 0.45 \times \frac{s^{1.5}}{M^{1.4}} \times 0.105\ kg/hour$
Dozers on coal	$EF = 35.6 \times \frac{s^{1.2}}{M^{1.4}}\ kg/hour$	$EF = 8.44 \times \frac{s^{1.5}}{M^{1.4}} \times 0.75\ kg/hour$	$EF = 8.44 \times \frac{s^{1.5}}{M^{1.4}} \times 0.022\ kg/hour$
Loading / emplacing coal	$EF = \frac{0.58}{M^{1.2}}\ kg/tonne$	$EF = \frac{0.0596}{M^{0.9}} \times 0.75\ kg/tonne$	$EF = \frac{0.0596}{M^{0.9}} \times 0.019\ kg/tonne$
Wind erosion on exposed areas & conveyors	$EF = 850\ kg/ha/year$	$0.5 \times TSP$	$0.075 \times TSP$
Wind erosion on stockpiles	$EF = 1.9 \times \left(\frac{s}{1.5}\right) \times 365 \times \left(\frac{365-p}{235}\right) \times \left(\frac{f}{15}\right) kg/ha/year$	$0.5 \times TSP$	$0.075 \times TSP$
Grading roads	$EF = 0.0034 \times sp^{2.5}\ kg/VKT$	$EF = 0.0056 \times sp^{2.0} \times 0.6\ kg/VKT$	$EF = 0.0056 \times sp^{2.0} \times 0.031\ kg/VKT$

EF = emission factor, A = area of blast (m^2), U = wind speed (m/s), M = moisture content (%), s = silt content (%), VKT = vehicle kilometres travelled (km), p = number of days per year when rainfall is greater than 0.25mm (days), f = percentage of time that wind speed is greater than 5.4m/s (%), sp = speed of grader (km/h).

Table C-2: Emission inventory – Scenario 1

Activity	TSP emission	PM10 emission	PM25 emission	Intensity	Units	EF - TSP	EF - PM10	EF - PM25	Units	Var. 1	Units	Var. 2	Units	Var. 3 - TSP/ PM10/PM2.5	Units	Var. 4	Units	Var. 5	Units	Var. 6	Units
N - Topsoil Removal with dozer	8,305	1,963	872	663	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
N - Excavator loading topsoil to haul truck	517	245	37	352,951	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
N - Hauling topsoil to dump	4,426	947	95	352,951	t/yr.	0.063	0.013	0.001	kg/t	220	t/load	4.4	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	80	% Control
N - Emplacing topsoil at dump	517	245	37	352,951	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
N - Drilling	3,695	1,922	111	20,878	holes/yr.	0.59	0.31	0.02	kg/hole											70	% Control
N - Blasting	36,047	18,744	1,081	34	blasts/yr	1069	555.9	32.1	kg/blast	28,688	Area of blast m^2										
N - Excavator loading OB to haul truck	41,222	19,497	2,952	28,129,625	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
N - Hauling to dump (Day)	161,665	34,584	3,458	12,892,745	t/yr.	0.063	0.013	0.001	kg/t	220	t/load	4.4	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	80	% Control
N - Hauling to dump (Night)	68,600	14,675	1,468	15,236,880	t/yr.	0.023	0.005	0.000	kg/t	220	t/load	1.6	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	80	% Control
N - Emplacing at dump	41,222	19,497	2,952	28,129,625	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
N - Rehandle OB	4,122	1,950	295	2,812,963	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
N - Dozers on OB in pit (Day)	36,144	8,542	3,795	2,887	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %				S.C. %				
N - Dozers on OB in pit (Night)	42,716	10,095	4,485	3,411	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
N - Dozers on OB working on OB (Day)	36,144	8,542	3,795	2,887	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
N - Dozers on OB working on OB (Night)	42,716	10,095	4,485	3,411	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
N - Dozers ripping/pushing/clean-up	7,860	1,818	173	557	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
N - Loading ROM coal to haul truck	48,239	7,187	917	1,161,623	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
N - Hauling ROM to hopper (Day)	11,193	2,395	239	532,411	t/yr.	0.210	0.045	0.004	kg/t	220	t/load	14.6	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
N - Hauling ROM to hopper (Night)	13,228	2,830	283	629,212	t/yr.	0.210	0.045	0.004	kg/t	220	t/load	14.6	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
C - Topsoil Removal with dozer	996	235	105	80	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Excavator loading topsoil to haul truck	62	29	4	42,328	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
C - Hauling topsoil to dump	266	57	6	42,328	t/yr.	0.031	0.007	0.001	kg/t	220	t/load	2.2	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	80	% Control
C - Emplacing topsoil at dump	62	29	4	42,328	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
C - Drilling	1,635	850	49	9,236	holes/yr.	0.59	0.31	0.02	kg/hole											70	% Control
C - Blasting	15,945	8,292	478	15	blasts/yr	1069	555.9	32.1	kg/blast	28,688	Area of blast m^2										
C - Excavator loading OB to haul truck	18,235	8,624	1,306	12,443,250	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
C - Hauling to dump (Day)	35,854	7,670	767	5,703,156	t/yr.	0.031	0.007	0.001	kg/t	220	t/load	2.2	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	80	% Control
C - Hauling to dump (Night)	42,373	9,065	906	6,740,094	t/yr.	0.031	0.007	0.001	kg/t	220	t/load	2.2	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	80	% Control
C - Emplacing at dump	18,235	8,624	1,306	12,443,250	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
C - Rehandle OB	1,823	862	131	1,244,325	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
C - Dozers on OB in pit (Day)	15,988	3,778	1,679	1,277	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers on OB in pit (Night)	18,895	4,465	1,984	1,509	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers on OB working on OB (Day)	15,988	3,778	1,679	1,277	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers on OB working on OB (Night)	18,895	4,465	1,984	1,509	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers ripping/pushing/clean-up	4,499	1,041	99	319	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
C - Loading ROM coal to haul truck	27,612	4,114	525	664,899	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
C - Hauling ROM to hopper (Day)	4,547	973	97	304,746	t/yr.	0.149	0.032	0.003	kg/t	220	t/load	10.4	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
C - Hauling ROM to hopper (Night)	5,373	1,150	115	360,154	t/yr.	0.149	0.032	0.003	kg/t	220	t/load	10.4	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
S - Topsoil Removal with dozer	6,454	1,525	678	515	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
S - Excavator loading topsoil to haul truck	402	190	29	274,296	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
S - Hauling topsoil to dump	3,644	780	78	274,296	t/yr.	0.066	0.014	0.001	kg/t	220	t/load	4.6	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	80	% Control
S - Emplacing topsoil at dump	402	190	29	274,296	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
S - Drilling	8,698	4,523	261	49,139	holes/yr.	0.59	0.31	0.02	kg/hole											70	% Control
S - Blasting	84,839	44,116	2,545	79	blasts/yr	1069	555.9	32.1	kg/blast	28,688	Area of blast m^2										
S - Excavator loading OB to haul truck	97,019	45,887	6,949	66,205,277	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
S - Hauling to dump (Day)	403,122	86,239	8,624	30,344,085	t/yr.	0.066	0.014	0.001	kg/t	220	t/load	4.6	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	80	% Control
S - Hauling to dump (Night)	437,763	93,649	9,365	35,861,191	t/yr.	0.061	0.013	0.001	kg/t	220	t/load	4.2	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	80	% Control
S - Emplacing at dump	97,019	45,887	6,949	66,205,277	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
S - Rehandle OB	9,702	4,589	695	6,620,528	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
S - Dozers on OB in pit (Day)	85,068	20,103	8,932	6,794	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
S - Dozers on OB in pit (Night)	100,535	23,759	10,556	8,029	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
S - Dozers on OB working on OB (Day)	85,068	20,103	8,932	6,794	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								

Activity	TSP emission	PM10 emission	PM25 emission	Intensity	Units	EF - TSP	EF - PM10	EF - PM25	Units	Var. 1	Units	Var. 2	Units	Var. 3 - TSP/ PM10/PM2.5	Units	Var. 4	Units	Var. 5	Units	Var. 6	Units
S - Dozers on OB working on OB (Night)	100,535	23,759	10,556	8,029	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
S - Dozers ripping/pushing/clean-up	58,685	13,575	1,291	4,157	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
S - Loading ROM coal to haul truck	360,189	53,664	6,844	8,673,478	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
S - Hauling ROM to hopper (Day)	48,753	10,430	1,043	3,975,344	t/yr.	0.123	0.026	0.003	kg/t	220	t/load	8.5	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	% silt c	280	t	90	% Control
S - Hauling ROM to hopper (Night)	57,617	12,326	1,233	4,698,134	t/yr.	0.123	0.026	0.003	kg/t	220	t/load	8.5	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	% silt c	280	t	90	% Control
CHPP - Unloading ROM to hopper	65,406	9,745	1,243	10,500,000	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %									85	% Control
CHPP - Rehandle ROM at hopper	87,208	12,993	1,657	2,100,000	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
CHPP - Primary crushing	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to secondary crusher	6	3	0	0.023	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Secondary crushing	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Tertiary crushing	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to 1000t bin	9	4	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to CPP	5	3	0	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer	470	222	34	8,510,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to Product stockpile	27	14	2	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Unloading to Product stockpile	1,175	556	84	8,510,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							25	% Control
CHPP - Transfer	470	222	34	8,510,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to train loadout	80	40	6	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Primary crushing - Stage 2	-	-	-	-	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer - Stage 2	-	-	-	-	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to crusher - Stage 2	-	-	-	-	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Secondary crushing - Stage 2	-	-	-	-	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Tertiary crushing - Stage 2	-	-	-	-	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer - Stage 2	-	-	-	-	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to bin - Stage 2	-	-	-	-	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer - Stage 2	-	-	-	-	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to CPP Modules 2A & 2B	-	-	-	-	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer - Stage 2	-	-	-	-	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to Product stockpile - Sta	-	-	-	-	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Unloading to Product stockpile - Stag	-	-	-	-	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							25	% Control
CHPP - Transfer - Stage 2	-	-	-	-	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to train loadout - Stage 2	-	-	-	-	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Loading coal to train	1,567	741	112	8,510,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %								
CHPP - Dozers on ROM stockpiles	71,044	16,434	1,563	5,033	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
CHPP - Dozers on Product stockpiles	54,731	12,409	1,204	5,033	hr/yr.	10.9	2.5	0.2	kg/h	5	S.C. %	11	M.C. %								
OB - Loading Reject to haul truck	2,916	1,379	209	1,990,000	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
OB - Hauling Reject to dump	31,978	6,841	684	1,990,000	t/yr.	0.161	0.034	0.003	kg/t	220	t/load	11.2	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
OB - Emplacing Reject at dump	2,916	1,379	209	1,990,000	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
WE - Overburden emplacement areas	199,548	99,774	14,966	297	ha	850	425	64	kg/ha/yr.											21	% Control
WE - Open pit	135,524	67,762	10,164	194	ha	850	425	64	kg/ha/yr.											18	% Control
WE - ROM stockpiles	8,395	4,197	630	7	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - Product stockpiles	4,324	2,162	324	4	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - ROM stockpiles Stage 2	3,287	1,644	247	9	ha	385	193	29	kg/ha/yr.	2	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - Product stockpiles Stage 2	-	-	-	-	ha	385	193	29	kg/ha/yr.	2	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - Topsoil stockpiles	27,082	13,541	2,031	68	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >			65	% Control
WE - Initial Rehab	8,334	4,167	625	24	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >			70	% Control
OB - Grading roads	141,606	49,476	4,390	230,080	km	0.62	0.22	0.02	kg/VKT	8	km/h										
Diesel mining equipment	6,856	6,856	6,650	-																	
Locomotive idling	515	515	499	-																	
Total emissions (kg/yr.)	**3,836,837**	**1,091,137**	**185,076**																		

Note: ha = hectares, SC=silt content, kg/h = kilograms/hour, WS = wind speed, MC = moisture content.

Table C-3: Emission inventory – Scenario 2

Activity	TSP emission	PM10 emission	PM25 emission	Intensity	Units	EF - TSP	EF - PM10	EF - PM25	Units	Var. 1	Units	Var. 2	Units	Var. 3 - TSP/ PM10/PM2.5	Units	Var. 4	Units	Var. 5	Units	Var. 6	Units
N - Topsoil Removal with dozer	9,298	2,197	976	743	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
N - Excavator loading topsoil to haul truck	125	59	9	85,069	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
N - Hauling topsoil to dump	743	159	16	85,069	t/yr.	0.044	0.009	0.001	kg/t	236	t/load	3.2	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	294	t	80	% Control
N - Emplacing topsoil at dump	125	59	9	85,069	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
N - Drilling	4,368	2,272	131	24,680	holes/yr.	0.59	0.31	0.02	kg/hole											70	% Control
N - Blasting	42,611	22,158	1,278	40	blasts/yr	1069	555.9	32.1	kg/blast	28,688	Area of blast m^2										
N - Excavator loading OB to haul truck	50,319	23,800	3,604	34,337,762	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
N - Hauling to dump (Day)	137,480	29,411	2,941	15,738,141	t/yr.	0.044	0.009	0.001	kg/t	236	t/load	3.2	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	294	t	80	% Control
N - Hauling to dump (Night)	182,990	39,146	3,915	18,599,621	t/yr.	0.049	0.011	0.001	kg/t	247	t/load	3.7	km/return trip	3.3 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	303	t	80	% Control
N - Emplacing at dump	50,319	23,800	3,604	34,337,762	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
N - Rehandle OB	5,032	2,380	360	3,433,776	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
N - Dozers on OB in pit (Day)	56,450	13,341	5,927	4,508	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %				S.C. %				
N - Dozers on OB in pit (Night)	66,714	15,766	7,005	5,328	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
N - Dozers on OB working on OB (Day)	56,450	13,341	5,927	4,508	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
N - Dozers on OB working on OB (Night)	66,714	15,766	7,005	5,328	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
N - Dozers ripping/pushing/clean-up	25,096	5,805	552	1,778	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
N - Loading ROM coal to haul truck	233,772	34,829	4,442	5,629,313	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
N - Hauling ROM to hopper (Day)	58,957	12,613	1,261	2,580,102	t/yr.	0.229	0.049	0.005	kg/t	220	t/load	15.9	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
N - Hauling ROM to hopper (Night)	64,299	13,755	1,376	3,049,211	t/yr.	0.211	0.045	0.005	kg/t	220	t/load	14.6	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
C - Topsoil Removal with dozer	2,972	702	312	237	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Excavator loading topsoil to haul truck	40	19	3	27,192	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
C - Hauling topsoil to dump	195	42	4	27,192	t/yr.	0.036	0.008	0.001	kg/t	300	t/load	3.1	km/return trip	3.5 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	350	t	80	% Control
C - Emplacing topsoil at dump	40	19	3	27,192	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
C - Drilling	4,601	2,392	138	25,992	holes/yr.	0.59	0.31	0.02	kg/hole											70	% Control
C - Blasting	44,875	23,335	1,346	42	blasts/yr	1069	555.9	32.1	kg/blast	28,688	Area of blast m^2										
C - Excavator loading OB to haul truck	52,993	25,064	3,795	36,162,346	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
C - Hauling to dump (Day)	119,148	25,489	2,549	16,574,408	t/yr.	0.036	0.008	0.001	kg/t	300	t/load	3.1	km/return trip	3.5 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	350	t	80	% Control
C - Hauling to dump (Night)	263,552	56,381	5,638	19,587,937	t/yr.	0.067	0.014	0.001	kg/t	260	t/load	5.2	km/return trip	3.3 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	315	t	80	% Control
C - Emplacing at dump	52,993	25,064	3,795	36,162,346	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
C - Rehandle OB	5,299	2,506	380	3,616,235	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
C - Dozers on OB in pit (Day)	59,450	14,049	6,242	4,748	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers on OB in pit (Night)	70,259	16,604	7,377	5,611	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers on OB working on OB (Day)	59,450	14,049	6,242	4,748	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers on OB working on OB (Night)	70,259	16,604	7,377	5,611	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers ripping/pushing/clean-up	9,882	2,286	217	700	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
C - Loading ROM coal to haul truck	92,057	13,715	1,749	2,216,771	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
C - Hauling ROM to hopper (Day)	15,411	3,297	330	1,016,020	t/yr.	0.152	0.032	0.003	kg/t	220	t/load	10.5	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
C - Hauling ROM to hopper (Night)	18,213	3,896	390	1,200,751	t/yr.	0.152	0.032	0.003	kg/t	220	t/load	10.5	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
S - Topsoil Removal with dozer	3,300	780	347	264	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
S - Excavator loading topsoil to haul truck	44	21	3	30,195	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
S - Hauling topsoil to dump	364	78	8	30,195	t/yr.	0.060	0.013	0.001	kg/t	300	t/load	5.2	km/return trip	3.5 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	350	t	80	% Control
S - Emplacing topsoil at dump	44	21	3	30,195	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
S - Drilling	5,059	2,631	152	28,581	holes/yr.	0.59	0.31	0.02	kg/hole											70	% Control
S - Blasting	49,345	25,659	1,480	46	blasts/yr	1069	555.9	32.1	kg/blast	28,688	Area of blast m^2										
S - Excavator loading OB to haul truck	58,272	27,561	4,174	39,764,334	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
S - Hauling to dump (Day)	219,944	47,052	4,705	18,225,320	t/yr.	0.060	0.013	0.001	kg/t	300	t/load	5.2	km/return trip	3.5 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	350	t	80	% Control
S - Hauling to dump (Night)	285,907	61,163	6,116	21,539,014	t/yr.	0.066	0.014	0.001	kg/t	300	t/load	5.7	km/return trip	3.5 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	350	t	80	% Control
S - Emplacing at dump	58,272	27,561	4,174	39,764,334	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
S - Rehandle OB	5,827	2,756	417	3,976,433	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
S - Dozers on OB in pit (Day)	65,372	15,449	6,864	5,221	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
S - Dozers on OB in pit (Night)	77,257	18,258	8,112	6,170	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
S - Dozers on OB working on OB (Day)	65,372	15,449	6,864	5,221	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								

Activity	TSP emission	PM10 emission	PM25 emission	Intensity	Units	EF - TSP	EF - PM10	EF - PM25	Units	Var. 1	Units	Var. 2	Units	Var. 3 - TSP/ PM10/PM2.5	Units	Var. 4	Units	Var. 5	Units	Var. 6	Units
S - Dozers on OB working on OB (Night)	77,257	18,258	8,112	6,170	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
S - Dozers ripping/pushing/clean-up	35,236	8,151	775	2,496	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
S - Loading ROM coal to haul truck	328,231	48,903	6,236	7,903,916	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
S - Hauling ROM to hopper (Day)	37,838	8,095	809	3,622,628	t/yr.	0.104	0.022	0.002	kg/t	220	t/load	7.2	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	% silt c	280	t	90	% Control
S - Hauling ROM to hopper (Night)	47,185	10,094	1,009	4,281,288	t/yr.	0.110	0.024	0.002	kg/t	220	t/load	7.6	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	% silt c	280	t	90	% Control
CHPP - Unloading ROM to hopper	98,109	14,617	1,864	15,750,000	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %									85	% Control
CHPP - Rehandle ROM at hopper	130,812	19,489	2,485	3,150,000	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
CHPP - Primary crushing	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to secondary crusher	6	3	0	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Secondary crushing	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Tertiary crushing	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to 1000t bin	9	4	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to CPP	5	3	0	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer	458	217	33	8,300,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to Product stockpile	27	14	2	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Unloading to Product stockpile	1,146	542	82	8,300,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							25	% Control
CHPP - Transfer	458	217	33	8,300,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to train loadout	80	40	6	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Primary crushing - Stage 2	14,175	6,300	1,167	5,250,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer - Stage 2	384	182	28	5,250,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to crusher - Stage 2	11	6	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Secondary crushing - Stage 2	14,175	6,300	1,167	5,250,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Tertiary crushing - Stage 2	14,175	6,300	1,167	5,250,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer - Stage 2	384	182	28	5,250,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to bin - Stage 2	14	7	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer - Stage 2	384	182	28	5,250,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to CPP Modules 2A & 2B	17	9	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer - Stage 2	290	137	21	5,250,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to Product stockpile - Sta	30	15	2	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Unloading to Product stockpile - Stag	580	274	42	4,200,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							25	% Control
CHPP - Transfer - Stage 2	232	110	17	4,200,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to train loadout - Stage 2	148	74	11	1	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Loading coal to train	2,302	1,089	165	12,500,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %								
CHPP - Dozers on ROM stockpiles	70,214	16,242	1,545	4,974	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
CHPP - Dozers on Product stockpiles	54,091	12,264	1,190	4,974	hr/yr.	10.9	2.5	0.2	kg/h	5	S.C. %	11	M.C. %								
OB - Loading Reject to haul truck	4,777	2,260	342	3,260,000	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
OB - Hauling Reject to dump	52,018	11,128	1,113	3,260,000	t/yr.	0.160	0.034	0.003	kg/t	220	t/load	11.1	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
OB - Emplacing Reject at dump	4,777	2,260	342	3,260,000	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
WE - Overburden emplacement areas	207,649	103,825	15,574	309	ha	850	425	64	kg/ha/yr.											21	% Control
WE - Open pit	239,246	119,623	17,943	343	ha	850	425	64	kg/ha/yr.											18	% Control
WE - ROM stockpiles	8,395	4,197	630	7	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - Product stockpiles	4,324	2,162	324	4	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - ROM stockpiles Stage 2	3,287	1,644	247	9	ha	385	193	29	kg/ha/yr.	2	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - Product stockpiles Stage 2	1,159	580	87	3	ha	385	193	29	kg/ha/yr.	2	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - Topsoil stockpiles	8,974	4,487	673	23	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >			65	% Control
WE - Initial Rehab	24,313	12,157	1,823	71	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >			70	% Control
OB - Grading roads	117,899	41,193	3,655	191,560	km	0.62	0.22	0.02	kg/VKT	8	km/h										
Diesel mining equipment	6,484	6,484	6,289	-																	
Locomotive idling	515	515	499	-																	
Total emissions (kg/yr.)	**4,640,569**	**1,290,328**	**226,379**																		

Table C-4: Emission inventory – Scenario 3

Activity	TSP emission	PM10 emission	PM25 emission	Intensity	Units	EF - TSP	EF - PM10	EF - PM25	Units	Var. 1	Units	Var. 2	Units	Var. 3 - TSP/PM10/PM2.5	Units	Var. 4	Units	Var. 5	Units	Var. 6	Units
N - Topsoil Removal with dozer	5,504	1,301	578	440	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
N - Excavator loading topsoil to haul truck	161	76	12	110,053	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
N - Hauling topsoil to dump	1,702	364	36	110,053	t/yr.	0.077	0.017	0.002	kg/t	284	t/load	6.4	km/return trip	3.4 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	336	t	80	% Control
N - Emplacing topsoil at dump	161	76	12	110,053	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
N - Drilling	4,397	2,286	132	24,842	holes/yr.	0.59	0.31	0.02	kg/hole											70	% Control
N - Blasting	42,889	22,302	1,287	40	blasts/yr	1069	555.9	32.1	kg/blast	28,688	Area of blast m^2										
N - Excavator loading OB to haul truck	48,499	22,939	3,474	33,095,621	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
N - Hauling to dump (Day)	234,612	50,190	5,019	15,168,826	t/yr.	0.077	0.017	0.002	kg/t	284	t/load	6.4	km/return trip	3.4 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	336	t	80	% Control
N - Hauling to dump (Night)	318,893	68,220	6,822	17,926,794	t/yr.	0.089	0.019	0.002	kg/t	280	t/load	7.3	km/return trip	3.4 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	333	t	80	% Control
N - Emplacing at dump	48,499	22,939	3,474	33,095,621	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
N - Rehandle OB	4,850	2,294	347	3,309,562	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
N - Dozers on OB in pit (Day)	49,097	11,603	5,155	3,921	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %				S.C. %				
N - Dozers on OB in pit (Night)	58,024	13,712	6,093	4,634	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
N - Dozers on OB working on OB (Day)	49,097	11,603	5,155	3,921	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
N - Dozers on OB working on OB (Night)	58,024	13,712	6,093	4,634	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
N - Dozers ripping/pushing/clean-up	20,451	4,731	450	1,449	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
N - Loading ROM coal to haul truck	189,224	28,192	3,595	4,556,582	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
N - Hauling ROM to hopper (Day)	44,131	9,441	944	2,088,433	t/yr.	0.211	0.045	0.005	kg/t	220	t/load	14.7	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
N - Hauling ROM to hopper (Night)	52,155	11,157	1,116	2,468,149	t/yr.	0.211	0.045	0.005	kg/t	220	t/load	14.7	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
C - Topsoil Removal with dozer	1,617	382	170	129	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Excavator loading topsoil to haul truck	47	22	3	32,328	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
C - Hauling topsoil to dump	572	122	12	32,328	t/yr.	0.088	0.019	0.002	kg/t	220	t/load	6.1	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	80	% Control
C - Emplacing topsoil at dump	47	22	3	32,328	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
C - Drilling	2,970	1,544	89	16,779	holes/yr.	0.59	0.31	0.02	kg/hole											70	% Control
C - Blasting	28,970	15,064	869	27	blasts/yr	1069	555.9	32.1	kg/blast	28,688	Area of blast m^2										
C - Excavator loading OB to haul truck	32,759	15,494	2,346	22,354,380	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
C - Hauling to dump (Day)	181,219	38,768	3,877	10,245,757	t/yr.	0.088	0.019	0.002	kg/t	220	t/load	6.1	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	80	% Control
C - Hauling to dump (Night)	189,946	40,635	4,063	12,108,622	t/yr.	0.078	0.017	0.002	kg/t	273	t/load	6.3	km/return trip	3.4 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	327	t	80	% Control
C - Emplacing at dump	32,759	15,494	2,346	22,354,380	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
C - Rehandle OB	3,276	1,549	235	2,235,438	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
C - Dozers on OB in pit (Day)	33,163	7,837	3,482	2,648	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers on OB in pit (Night)	39,192	9,262	4,115	3,130	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers on OB working on OB (Day)	33,163	7,837	3,482	2,648	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers on OB working on OB (Night)	39,192	9,262	4,115	3,130	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers ripping/pushing/clean-up	17,791	4,116	391	1,260	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
C - Loading ROM coal to haul truck	164,615	24,526	3,128	3,963,982	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
C - Hauling ROM to hopper (Day)	27,012	5,779	578	1,816,825	t/yr.	0.149	0.032	0.003	kg/t	220	t/load	10.3	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
C - Hauling ROM to hopper (Night)	31,924	6,829	683	2,147,157	t/yr.	0.149	0.032	0.003	kg/t	220	t/load	10.3	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
S - Topsoil Removal with dozer	8,555	2,022	898	683	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
S - Excavator loading topsoil to haul truck	251	119	18	171,052	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
S - Hauling topsoil to dump	2,953	632	63	171,052	t/yr.	0.086	0.018	0.002	kg/t	300	t/load	7.4	km/return trip	3.5 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	350	t	80	% Control
S - Emplacing topsoil at dump	251	119	18	171,052	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
S - Drilling	6,661	3,464	200	37,632	holes/yr.	0.59	0.31	0.02	kg/hole											70	% Control
S - Blasting	64,972	33,785	1,949	61	blasts/yr	1069	555.9	32.1	kg/blast	28,688	Area of blast m^2										
S - Excavator loading OB to haul truck	73,470	34,749	5,262	50,135,481	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
S - Hauling to dump (Day)	396,665	84,857	8,486	22,978,762	t/yr.	0.086	0.018	0.002	kg/t	300	t/load	7.4	km/return trip	3.5 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	350	t	80	% Control
S - Hauling to dump (Night)	468,786	100,286	10,029	27,156,719	t/yr.	0.086	0.018	0.002	kg/t	300	t/load	7.4	km/return trip	3.5 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	350	t	80	% Control
S - Emplacing at dump	73,470	34,749	5,262	50,135,481	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
S - Rehandle OB	7,347	3,475	526	5,013,548	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
S - Dozers on OB in pit (Day)	74,376	17,577	7,809	5,940	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
S - Dozers on OB in pit (Night)	87,899	20,772	9,229	7,020	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
S - Dozers on OB working on OB (Day)	74,376	17,577	7,809	5,940	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								

Activity	TSP emission	PM10 emission	PM25 emission	Intensity	Units	EF - TSP	EF - PM10	EF - PM25	Units	Var. 1	Units	Var. 2	Units	Var. 3 - TSP/ PM10/PM2.5	Units	Var. 4	Units	Var. 5	Units	Var. 6	Units
S - Dozers on OB working on OB (Night)	87,899	20,772	9,229	7,020	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
S - Dozers ripping/pushing/clean-up	32,448	7,506	714	2,299	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
S - Loading ROM coal to haul truck	300,221	44,729	5,704	7,229,437	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
S - Hauling ROM to hopper (Day)	36,941	7,903	790	3,313,492	t/yr.	0.111	0.024	0.002	kg/t	220	t/load	7.7	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	% silt c	280	t	90	% Control
S - Hauling ROM to hopper (Night)	43,657	9,339	934	3,915,945	t/yr.	0.111	0.024	0.002	kg/t	220	t/load	7.7	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	% silt c	280	t	90	% Control
CHPP - Unloading ROM to hopper	98,109	14,617	1,864	15,750,000	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %									85	% Control
CHPP - Rehandle ROM at hopper	130,812	19,489	2,485	3,150,000	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
CHPP - Primary crushing	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to secondary crusher	6	3	0	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Secondary crushing	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Tertiary crushing	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to 1000t bin	9	4	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to CPP	5	3	0	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer	458	217	33	8,300,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to Product stockpile	27	14	2	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Unloading to Product stockpile	1,146	542	82	8,300,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							25	% Control
CHPP - Transfer	458	217	33	8,300,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to train loadout	80	40	6	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Primary crushing - Stage 2	14,175	6,300	1,167	5,250,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer - Stage 2	384	182	28	5,250,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to crusher - Stage 2	11	6	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Secondary crushing - Stage 2	14,175	6,300	1,167	5,250,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Tertiary crushing - Stage 2	14,175	6,300	1,167	5,250,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer - Stage 2	384	182	28	5,250,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to bin - Stage 2	14	7	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer - Stage 2	384	182	28	5,250,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to CPP Modules 2A & 2B	17	9	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer - Stage 2	232	110	17	4,200,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to Product stockpile - Sta	30	15	2	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Unloading to Product stockpile - Stag	580	274	42	4,200,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							25	% Control
CHPP - Transfer - Stage 2	232	110	17	4,200,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to train loadout - Stage 2	148	74	11	1	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Loading coal to train	2,302	1,089	165	12,500,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %								
CHPP - Dozers on ROM stockpiles	70,690	16,352	1,555	5,008	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
CHPP - Dozers on Product stockpiles	54,458	12,347	1,198	5,008	hr/yr.	10.9	2.5	0.2	kg/h	5	S.C. %	11	M.C. %								
OB - Loading Reject to haul truck	4,587	2,169	329	3,130,000	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
OB - Hauling Reject to dump	49,191	10,523	1,052	3,130,000	t/yr.	0.157	0.034	0.003	kg/t	220	t/load	10.9	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
OB - Emplacing Reject at dump	4,587	2,169	329	3,130,000	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
WE - Overburden emplacement areas	240,762	120,381	18,057	359	ha	850	425	64	kg/ha/yr.											21	% Control
WE - Open pit	218,524	109,262	16,389	314	ha	850	425	64	kg/ha/yr.											18	% Control
WE - ROM stockpiles	8,395	4,197	630	7	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - Product stockpiles	4,324	2,162	324	4	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - ROM stockpiles Stage 2	3,287	1,644	247	9	ha	385	193	29	kg/ha/yr.	2	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - Product stockpiles Stage 2	1,159	580	87	3	ha	385	193	29	kg/ha/yr.	2	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - Topsoil stockpiles	28,789	14,394	2,159	72	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >			65	% Control
WE - Initial Rehab	24,676	12,338	1,851	72	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >			70	% Control
OB - Grading roads	111,148	38,835	3,446	180,592	km	0.62	0.22	0.02	kg/VKT	8	km/h										
Diesel mining equipment	6,480	6,480	6,285																		
Locomotive idling	515	515	499																		
Total emissions (kg/yr.)	**5,122,089**	**1,395,638**	**228,659**																		

Table C-5: Emission inventory – Scenario 4

Activity	TSP emission	PM10 emission	PM25 emission	Intensity	Units	EF - TSP	EF - PM10	EF - PM25	Units	Var. 1	Units	Var. 2	Units	Var. 3 - TSP/PM10/PM2.5	Units	Var. 4	Units	Var. 5	Units	Var. 6	Units
N - Topsoil Removal with dozer	4,968	1,174	522	397	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
N - Excavator loading topsoil to haul truck	360	170	26	245,929	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
N - Hauling topsoil to dump	2,733	585	58	245,929	t/yr.	0.056	0.012	0.001	kg/t	280	t/load	4.5	km/return trip	3.4 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	333	t	80	% Control
N - Emplacing topsoil at dump	360	170	26	245,929	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
N - Drilling	5,099	2,651	153	28,806	holes/yr.	0.59	0.31	0.02	kg/hole											70	% Control
N - Blasting	49,733	25,861	1,492	47	blasts/yr	1069	555.9	32.1	kg/blast	28,688	Area of blast m^2										
N - Excavator loading OB to haul truck	80,891	38,259	5,794	55,200,000	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
N - Hauling to dump (Day)	281,146	60,145	6,014	25,300,000	t/yr.	0.056	0.012	0.001	kg/t	280	t/load	4.5	km/return trip	3.4 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	333	t	80	% Control
N - Hauling to dump (Night)	276,437	59,137	5,914	29,900,000	t/yr.	0.046	0.010	0.001	kg/t	284	t/load	3.8	km/return trip	3.4 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	336	t	80	% Control
N - Emplacing at dump	80,891	38,259	5,794	55,200,000	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
N - Rehandle OB	8,089	3,826	579	5,520,000	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
N - Dozers on OB in pit (Day)	81,621	19,289	8,570	6,519	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %				S.C. %				
N - Dozers on OB in pit (Night)	96,461	22,796	10,128	7,704	hr/yr.	1.5	0.2	0.2	kg/h	10	S.C. %	2.5	M.C. %								
N - Dozers on OB working on OB (Day)	81,621	19,289	8,570	6,519	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
N - Dozers on OB working on OB (Night)	96,461	22,796	10,128	7,704	hr/yr.	1.5	0.2	0.2	kg/h	10	S.C. %	2.5	M.C. %								
N - Dozers ripping/pushing/clean-up	30,170	6,979	664	2,137	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
N - Loading ROM coal to haul truck	371,560	55,358	7,060	8,947,311	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
N - Hauling ROM to hopper (Day)	79,905	17,094	1,709	4,100,851	t/yr.	0.195	0.042	0.004	kg/t	220	t/load	13.5	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
N - Hauling ROM to hopper (Night)	94,433	20,202	2,020	4,846,460	t/yr.	0.195	0.042	0.004	kg/t	220	t/load	13.5	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
C - Topsoil Removal with dozer	7,376	1,743	774	589	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Excavator loading topsoil to haul truck	535	253	38	365,113	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
C - Hauling topsoil to dump	3,891	832	83	365,113	t/yr.	0.053	0.011	0.001	kg/t	273	t/load	4.3	km/return trip	3.4 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	327	t	80	% Control
C - Emplacing topsoil at dump	535	253	38	365,113	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
C - Drilling	5,524	2,872	166	31,206	holes/yr.	0.59	0.31	0.02	kg/hole											70	% Control
C - Blasting	53,878	28,016	1,616	50	blasts/yr	1069	555.9	32.1	kg/blast	28,688	Area of blast m^2										
C - Excavator loading OB to haul truck	87,632	41,448	6,276	59,800,000	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
C - Hauling to dump (Day)	292,085	62,485	6,248	27,408,333	t/yr.	0.053	0.011	0.001	kg/t	273	t/load	4.3	km/return trip	3.4 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	327	t	80	% Control
C - Hauling to dump (Night)	273,595	58,529	5,853	32,391,667	t/yr.	0.042	0.009	0.001	kg/t	273	t/load	3.4	km/return trip	3.4 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	327	t	80	% Control
C - Emplacing at dump	87,632	41,448	6,276	59,800,000	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
C - Rehandle OB	8,763	4,145	628	5,980,000	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
C - Dozers on OB in pit (Day)	88,422	20,896	9,284	7,062	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers on OB in pit (Night)	104,499	24,696	10,972	8,346	hr/yr.	1.5	0.2	0.2	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers on OB working on OB (Day)	88,422	20,896	9,284	7,062	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers on OB working on OB (Night)	104,499	24,696	10,972	8,346	hr/yr.	1.5	0.2	0.2	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers ripping/pushing/clean-up	21,914	5,069	482	1,552	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
C - Loading ROM coal to haul truck	269,882	40,209	5,128	6,498,848	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
C - Hauling ROM to hopper (Day)	37,740	8,074	807	2,978,639	t/yr.	0.127	0.027	0.003	kg/t	220	t/load	8.8	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
C - Hauling ROM to hopper (Night)	44,602	9,542	954	3,520,209	t/yr.	0.127	0.027	0.003	kg/t	220	t/load	8.8	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
S - Topsoil Removal with dozer	3,360	794	353	268	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
S - Excavator loading topsoil to haul truck	244	115	17	166,323	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
S - Hauling topsoil to dump	3,983	852	85	166,323	t/yr.	0.120	0.026	0.003	kg/t	300	t/load	10.2	km/return trip	3.5 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	350	t	80	% Control
S - Emplacing topsoil at dump	244	115	17	166,323	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
S - Drilling	3,406	1,771	102	19,241	holes/yr.	0.59	0.31	0.02	kg/hole											70	% Control
S - Blasting	33,220	17,274	997	31	blasts/yr	1069	555.9	32.1	kg/blast	28,688	Area of blast m^2										
S - Excavator loading OB to haul truck	54,032	25,556	3,870	36,871,324	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
S - Hauling to dump (Day)	404,698	86,576	8,658	16,899,357	t/yr.	0.120	0.026	0.003	kg/t	300	t/load	10.2	km/return trip	3.5 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	350	t	80	% Control
S - Hauling to dump (Night)	478,280	102,317	10,232	19,971,967	t/yr.	0.120	0.026	0.003	kg/t	300	t/load	10.2	km/return trip	3.5 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	350	t	80	% Control
S - Emplacing at dump	54,032	25,556	3,870	36,871,324	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
S - Rehandle OB	5,403	2,556	387	3,687,132	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
S - Dozers on OB in pit (Day)	54,519	12,884	5,725	4,354	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
S - Dozers on OB in pit (Night)	29,531	6,979	3,101	2,358	hr/yr.	1.5	0.2	0.2	kg/h	10	S.C. %	2.5	M.C. %								
S - Dozers on OB working on OB (Day)	54,519	12,884	5,725	4,354	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								

Activity	TSP emission	PM10 emission	PM25 emission	Intensity	Units	EF - TSP	EF - PM10	EF - PM25	Units	Var. 1	Units	Var. 2	Units	Var. 3 - TSP/ PM10/PM2.5	Units	Var. 4	Units	Var. 5	Units	Var. 6	Units
S - Dozers on OB working on OB (Night)	29,531	6,979	3,101	2,358	hr/yr.	1.5	0.2	0.2	kg/h	10	S.C. %	2.5	M.C. %								
S - Dozers ripping/pushing/clean-up	18,728	4,332	412	1,327	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
S - Loading ROM coal to haul truck	230,638	34,362	4,382	5,553,841	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
S - Hauling ROM to hopper (Day)	37,592	8,042	804	2,545,510	t/yr.	0.148	0.032	0.003	kg/t	220	t/load	10.2	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	% silt c	280	t	90	% Control
S - Hauling ROM to hopper (Night)	44,427	9,504	950	3,008,330	t/yr.	0.148	0.032	0.003	kg/t	220	t/load	10.2	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	% silt c	280	t	90	% Control
CHPP - Unloading ROM to hopper	130,812	19,489	2,485	21,000,000	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %									85	% Control
CHPP - Rehandle ROM at hopper	174,416	25,986	3,314	4,200,000	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
CHPP - Primary crushing	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to secondary crusher	6	3	0	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Secondary crushing	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Tertiary crushing	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to 1000t bin	9	4	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to CPP	5	3	0	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer	458	217	33	8,300,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to Product stockpile	27	14	2	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Unloading to Product stockpile	1,146	542	82	8,300,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							25	% Control
CHPP - Transfer	458	217	33	8,300,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to train loadout	80	40	6	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Primary crushing - Stage 2	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer - Stage 2	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to crusher - Stage 2	11	6	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Secondary crushing - Stage 2	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Tertiary crushing - Stage 2	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer - Stage 2	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to bin - Stage 2	14	7	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer - Stage 2	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to CPP Modules 2A & 2B	17	9	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer - Stage 2	580	274	42	10,500,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to Product stockpile - Sta	30	15	2	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Unloading to Product stockpile - Stag	1,146	542	82	8,300,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							25	% Control
CHPP - Transfer - Stage 2	458	217	33	8,300,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to train loadout - Stage 2	148	74	11	1	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Loading coal to train	3,057	1,446	219	16,600,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %								
CHPP - Dozers on ROM stockpiles	70,812	16,381	1,558	5,017	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
CHPP - Dozers on Product stockpiles	54,552	12,369	1,200	5,017	hr/yr.	10.9	2.5	0.2	kg/h	5	S.C. %	11	M.C. %								
OB - Loading Reject to haul truck	6,419	3,036	460	4,380,000	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
OB - Hauling Reject to dump	68,508	14,656	1,466	4,380,000	t/yr.	0.156	0.033	0.003	kg/t	220	t/load	10.9	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
OB - Emplacing Reject at dump	6,419	3,036	460	4,380,000	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
WE - Overburden emplacement areas	235,721	117,860	17,679	351	ha	850	425	64	kg/ha/yr.											21	% Control
WE - Open pit	275,520	137,760	20,664	395	ha	850	425	64	kg/ha/yr.											18	% Control
WE - ROM stockpiles	8,395	4,197	630	7	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - Product stockpiles	4,324	2,162	324	4	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - ROM stockpiles Stage 2	3,287	1,644	247	9	ha	385	193	29	kg/ha/yr.	2	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - Product stockpiles Stage 2	1,159	580	87	3	ha	385	193	29	kg/ha/yr.	2	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - Topsoil stockpiles	26,988	13,494	2,024	68	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >			65	% Control
WE - Initial Rehab	21,085	10,542	1,581	62	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >			70	% Control
OB - Grading roads	157,584	55,059	4,885	256,040	km	0.62	0.22	0.02	kg/VKT	8	km/h										
Diesel mining equipment	7,685	7,685	7,454																		
Locomotive idling	515	515	499																		
Total emissions (kg/yr.)	**6,273,114**	**1,697,450**	**285,788**																		

Table C-6: Emission inventory – Scenario 5

Activity	TSP emission	PM10 emission	PM25 emission	Intensity	Units	EF - TSP	EF - PM10	EF - PM25	Units	Var. 1	Units	Var. 2	Units	Var. 3 - TSP/ PM10/PM2.5	Units	Var. 4	Units	Var. 5	Units	Var. 6	Units
N - Topsoil Removal with dozer	6,425	1,518	675	513	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
N - Excavator loading topsoil to haul truck	287	136	21	195,921	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
N - Hauling topsoil to dump	1,888	404	40	195,921	t/yr.	0.048	0.010	0.001	kg/t	300	t/load	4.1	km/return trip	3.5 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	350	t	80	% Control
N - Emplacing topsoil at dump	287	136	21	195,921	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
N - Drilling	5,101	2,653	153	28,819	holes/yr.	0.59	0.31	0.02	kg/hole											70	% Control
N - Blasting	49,757	25,873	1,493	47	blasts/yr	1069	555.9	32.1	kg/blast	28,688	Area of blast m^2										
N - Excavator loading OB to haul truck	109,326	51,708	7,830	74,603,636	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
N - Hauling to dump (Day)	329,557	70,501	7,050	34,193,333	t/yr.	0.048	0.010	0.001	kg/t	300	t/load	4.1	km/return trip	3.5 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	350	t	80	% Control
N - Hauling to dump (Night)	390,959	83,637	8,364	40,410,303	t/yr.	0.048	0.010	0.001	kg/t	300	t/load	4.1	km/return trip	3.5 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	350	t	80	% Control
N - Emplacing at dump	109,326	51,708	7,830	74,603,636	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
N - Rehandle OB	10,933	5,171	783	7,460,364	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
N - Dozers on OB in pit (Day)	110,162	26,034	11,567	8,798	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %				S.C. %				
N - Dozers on OB in pit (Night)	130,191	30,767	13,670	10,398	hr/yr.	1.5	0.2	0.2	kg/h	10	S.C. %	2.5	M.C. %								
N - Dozers on OB working on OB (Day)	110,162	26,034	11,567	8,798	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
N - Dozers on OB working on OB (Night)	130,191	30,767	13,670	10,398	hr/yr.	1.5	0.2	0.2	kg/h	10	S.C. %	2.5	M.C. %								
N - Dozers ripping/pushing/clean-up	27,590	6,382	607	1,955	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
N - Loading ROM coal to haul truck	340,914	50,792	6,477	8,209,342	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
N - Hauling ROM to hopper (Day)	64,584	13,816	1,382	3,762,615	t/yr.	0.172	0.037	0.004	kg/t	220	t/load	11.9	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
N - Hauling ROM to hopper (Night)	76,326	16,328	1,633	4,446,727	t/yr.	0.172	0.037	0.004	kg/t	220	t/load	11.9	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
C - Topsoil Removal with dozer	4,396	1,039	462	351	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Excavator loading topsoil to haul truck	196	93	14	134,039	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
C - Hauling topsoil to dump	1,247	267	27	134,039	t/yr.	0.047	0.010	0.001	kg/t	260	t/load	3.6	km/return trip	3.3 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	315	t	80	% Control
C - Emplacing topsoil at dump	196	93	14	134,039	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
C - Drilling	4,463	2,321	134	25,217	holes/yr.	0.59	0.31	0.02	kg/hole											70	% Control
C - Blasting	43,537	22,639	1,306	41	blasts/yr	1069	555.9	32.1	kg/blast	28,688	Area of blast m^2										
C - Excavator loading OB to haul truck	95,660	45,245	6,851	65,278,182	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
C - Hauling to dump (Day)	278,295	59,535	5,953	29,919,167	t/yr.	0.047	0.010	0.001	kg/t	260	t/load	3.6	km/return trip	3.3 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	315	t	80	% Control
C - Hauling to dump (Night)	417,008	89,209	8,921	35,359,015	t/yr.	0.059	0.013	0.001	kg/t	300	t/load	5.0	km/return trip	3.5 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	350	t	80	% Control
C - Emplacing at dump	95,660	45,245	6,851	65,278,182	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
C - Rehandle OB	9,566	4,524	685	6,527,818	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
C - Dozers on OB in pit (Day)	96,391	22,780	10,121	7,698	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers on OB in pit (Night)	113,917	26,921	11,961	9,098	hr/yr.	1.5	0.2	0.2	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers on OB working on OB (Day)	96,391	22,780	10,121	7,698	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers on OB working on OB (Night)	113,917	26,921	11,961	9,098	hr/yr.	1.5	0.2	0.2	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers ripping/pushing/clean-up	17,053	3,945	375	1,208	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
C - Loading ROM coal to haul truck	210,714	31,394	4,004	5,074,070	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
C - Hauling ROM to hopper (Day)	29,879	6,392	639	2,325,615	t/yr.	0.128	0.027	0.003	kg/t	220	t/load	8.9	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
C - Hauling ROM to hopper (Night)	35,311	7,554	755	2,748,454	t/yr.	0.128	0.027	0.003	kg/t	220	t/load	8.9	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
S - Topsoil Removal with dozer	4,831	1,142	507	386	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
S - Excavator loading topsoil to haul truck	216	102	15	147,323	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
S - Hauling topsoil to dump	2,043	437	44	147,323	t/yr.	0.069	0.015	0.001	kg/t	260	t/load	5.4	km/return trip	3.3 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	315	t	80	% Control
S - Emplacing topsoil at dump	216	102	15	147,323	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
S - Drilling	4,463	2,321	134	25,217	holes/yr.	0.59	0.31	0.02	kg/hole											70	% Control
S - Blasting	43,537	22,639	1,306	41	blasts/yr	1069	555.9	32.1	kg/blast	28,688	Area of blast m^2										
S - Excavator loading OB to haul truck	95,660	45,245	6,851	65,278,182	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
S - Hauling to dump (Day)	414,834	88,744	8,874	29,919,167	t/yr.	0.069	0.015	0.001	kg/t	260	t/load	5.4	km/return trip	3.3 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	315	t	80	% Control
S - Hauling to dump (Night)	444,814	95,158	9,516	35,359,015	t/yr.	0.063	0.013	0.001	kg/t	300	t/load	5.4	km/return trip	3.5 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	350	t	80	% Control
S - Emplacing at dump	95,660	45,245	6,851	65,278,182	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
S - Rehandle OB	9,566	4,524	685	6,527,818	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. (WS/2.2)$^{1.3}$ m	2.5	M.C. %								
S - Dozers on OB in pit (Day)	96,391	22,780	10,121	7,698	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
S - Dozers on OB in pit (Night)	113,917	26,921	11,961	9,098	hr/yr.	1.5	0.2	0.2	kg/h	10	S.C. %	2.5	M.C. %								
S - Dozers on OB working on OB (Day)	96,391	22,780	10,121	7,698	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								

Activity	TSP emission	PM10 emission	PM25 emission	Intensity	Units	EF - TSP	EF - PM10	EF - PM25	Units	Var. 1	Units	Var. 2	Units	Var. 3 - TSP/ PM10/PM2.5	Units	Var. 4	Units	Var. 5	Units	Var. 6	Units
S - Dozers on OB working on OB (Night)	113,917	26,921	11,961	9,098	hr/yr.	1.5	0.2	0.2	kg/h	10	S.C. %	2.5	M.C. %								
S - Dozers ripping/pushing/clean-up	25,934	5,999	571	1,837	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
S - Loading ROM coal to haul truck	320,452	47,744	6,089	7,716,589	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
S - Hauling ROM to hopper (Day)	47,244	10,107	1,011	3,536,770	t/yr.	0.134	0.029	0.003	kg/t	220	t/load	9.3	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	% silt c	280	t	90	% Control
S - Hauling ROM to hopper (Night)	55,833	11,944	1,194	4,179,819	t/yr.	0.134	0.029	0.003	kg/t	220	t/load	9.3	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	% silt c	280	t	90	% Control
CHPP - Unloading ROM to hopper	130,812	19,489	2,485	21,000,000	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %									85	% Control
CHPP - Rehandle ROM at hopper	174,416	25,986	3,314	4,200,000	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
CHPP - Primary crushing	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to secondary crusher	6	3	0	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Secondary crushing	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Tertiary crushing	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to 1000t bin	9	4	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to CPP	5	3	0	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer	470	222	34	8,500,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to Product stockpile	27	14	2	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Unloading to Product stockpile	1,174	555	84	8,500,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							25	% Control
CHPP - Transfer	470	222	34	8,500,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to train loadout	80	40	6	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Primary crushing - Stage 2	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer - Stage 2	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to crusher - Stage 2	11	6	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Secondary crushing - Stage 2	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Tertiary crushing - Stage 2	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer - Stage 2	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to bin - Stage 2	14	7	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer - Stage 2	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to CPP Modules 2A & 2B	17	9	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer - Stage 2	580	274	42	10,500,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to Product stockpile - Sta	30	15	2	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Unloading to Product stockpile - Stag	1,174	555	84	8,500,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							25	% Control
CHPP - Transfer - Stage 2	470	222	34	8,500,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to train loadout - Stage 2	148	74	11	1	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Loading coal to train	3,130	1,481	224	17,000,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %								
CHPP - Dozers on ROM stockpiles	70,578	16,326	1,553	5,000	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
CHPP - Dozers on Product stockpiles	54,372	12,328	1,196	5,000	hr/yr.	10.9	2.5	0.2	kg/h	5	S.C. %	11	M.C. %								
OB - Loading Reject to haul truck	6,301	2,980	451	4,300,000	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
OB - Hauling Reject to dump	62,164	13,299	1,330	4,300,000	t/yr.	0.145	0.031	0.003	kg/t	220	t/load	10.0	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
OB - Emplacing Reject at dump	6,301	2,980	451	4,300,000	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
WE - Overburden emplacement areas	333,936	166,968	25,045	497	ha	850	425	64	kg/ha/yr.											21	% Control
WE - Open pit	282,054	141,027	21,154	405	ha	850	425	64	kg/ha/yr.											18	% Control
WE - ROM stockpiles	8,395	4,197	630	7	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - Product stockpiles	4,324	2,162	324	4	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - ROM stockpiles Stage 2	3,287	1,644	247	9	ha	385	193	29	kg/ha/yr.	2	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - Product stockpiles Stage 2	1,159	580	87	3	ha	385	193	29	kg/ha/yr.	2	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - Topsoil stockpiles	11,182	5,591	839	28	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >			65	% Control
WE - Initial Rehab	9,588	4,794	719	28	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >			70	% Control
OB - Grading roads	162,560	56,798	5,039	264,126	km	0.62	0.22	0.02	kg/VKT	8	km/h										
Diesel mining equipment	9,476	9,476	9,192																		
Locomotive idling	515	515	499																		
Total emissions (kg/yr.)	**7,157,638**	**1,962,739**	**353,264**																		

Table C-7: Emission inventory – Scenario 6

Activity	TSP emission	PM10 emission	PM25 emission	Intensity	Units	EF - TSP	EF - PM10	EF - PM25	Units	Var. 1	Units	Var. 2	Units	Var. 3 - TSP/ PM10/PM2.5	Units	Var. 4	Units	Var. 5	Units	Var. 6	Units
N - Topsoil Removal with dozer	258	61	27	21	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
N - Excavator loading topsoil to haul truck	6	3	0	3,975	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
N - Hauling topsoil to dump	37	8	1	3,975	t/yr.	0.046	0.010	0.001	kg/t	284	t/load	3.8	km/return trip	3.4 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	336	t	80	% Control
N - Emplacing topsoil at dump	6	3	0	3,975	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
N - Drilling	4,332	2,252	130	24,472	holes/yr.	0.59	0.31	0.02	kg/hole											70	% Control
N - Blasting	42,252	21,971	1,268	40	blasts/yr	1069	555.9	32.1	kg/blast	28,688	Area of blast m^2										
N - Excavator loading OB to haul truck	83,469	39,479	5,978	56,959,055	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
N - Hauling to dump (Day)	239,904	51,322	5,132	26,106,234	t/yr.	0.046	0.010	0.001	kg/t	284	t/load	3.8	km/return trip	3.4 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	336	t	80	% Control
N - Hauling to dump (Night)	273,378	58,483	5,848	30,852,822	t/yr.	0.044	0.009	0.001	kg/t	300	t/load	3.8	km/return trip	3.5 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	350	t	80	% Control
N - Emplacing at dump	83,469	39,479	5,978	56,959,055	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
N - Rehandle OB	8,347	3,948	598	5,695,906	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
N - Dozers on OB in pit (Day)	78,882	18,642	8,283	6,300	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %				S.C. %				
N - Dozers on OB in pit (Night)	93,225	22,031	9,789	7,445	hr/yr.	1.5	0.2	0.2	kg/h	10	S.C. %	2.5	M.C. %								
N - Dozers on OB working on OB (Day)	78,882	18,642	8,283	6,300	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
N - Dozers on OB working on OB (Night)	93,225	22,031	9,789	7,445	hr/yr.	1.5	0.2	0.2	kg/h	10	S.C. %	2.5	M.C. %								
N - Dozers ripping/pushing/clean-up	37,357	8,642	822	2,647	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
N - Loading ROM coal to haul truck	408,839	60,912	7,768	9,844,987	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
N - Hauling ROM to hopper (Day)	73,499	15,723	1,572	4,512,286	t/yr.	0.163	0.035	0.003	kg/t	220	t/load	11.3	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
N - Hauling ROM to hopper (Night)	86,863	18,582	1,858	5,332,701	t/yr.	0.163	0.035	0.003	kg/t	220	t/load	11.3	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
C - Topsoil Removal with dozer	8,681	2,052	912	693	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Excavator loading topsoil to haul truck	196	93	14	133,734	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
C - Hauling topsoil to dump	1,404	300	30	133,734	t/yr.	0.052	0.011	0.001	kg/t	284	t/load	4.3	km/return trip	3.4 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	336	t	80	% Control
C - Emplacing topsoil at dump	196	93	14	133,734	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
C - Drilling	4,848	2,521	145	27,390	holes/yr.	0.59	0.31	0.02	kg/hole											70	% Control
C - Blasting	47,289	24,591	1,419	44	blasts/yr	1069	555.9	32.1	kg/blast	28,688	Area of blast m^2										
C - Excavator loading OB to haul truck	93,422	44,186	6,691	63,750,472	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
C - Hauling to dump (Day)	306,788	65,630	6,563	29,218,966	t/yr.	0.052	0.011	0.001	kg/t	284	t/load	4.3	km/return trip	3.4 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	336	t	80	% Control
C - Hauling to dump (Night)	341,299	73,013	7,301	34,531,506	t/yr.	0.049	0.011	0.001	kg/t	300	t/load	4.2	km/return trip	3.5 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	350	t	80	% Control
C - Emplacing at dump	93,422	44,186	6,691	63,750,472	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
C - Rehandle OB	9,342	4,419	669	6,375,047	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
C - Dozers on OB in pit (Day)	88,288	20,864	9,270	7,051	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers on OB in pit (Night)	104,340	24,658	10,956	8,333	hr/yr.	1.5	0.2	0.2	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers on OB working on OB (Day)	88,288	20,864	9,270	7,051	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers on OB working on OB (Night)	104,340	24,658	10,956	8,333	hr/yr.	1.5	0.2	0.2	kg/h	10	S.C. %	2.5	M.C. %								
C - Dozers ripping/pushing/clean-up	19,273	4,458	424	1,365	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
C - Loading ROM coal to haul truck	210,929	31,426	4,008	5,079,248	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
C - Hauling ROM to hopper (Day)	26,985	5,773	577	2,327,989	t/yr.	0.116	0.025	0.002	kg/t	220	t/load	8.0	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
C - Hauling ROM to hopper (Night)	31,891	6,822	682	2,751,259	t/yr.	0.116	0.025	0.002	kg/t	220	t/load	8.0	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
S - Topsoil Removal with dozer	6,712	1,586	705	536	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
S - Excavator loading topsoil to haul truck	152	72	11	103,406	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
S - Hauling topsoil to dump	1,851	396	40	103,406	t/yr.	0.090	0.019	0.002	kg/t	220	t/load	6.2	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	80	% Control
S - Emplacing topsoil at dump	152	72	11	103,406	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
S - Drilling	4,848	2,521	145	27,390	holes/yr.	0.59	0.31	0.02	kg/hole											70	% Control
S - Blasting	47,289	24,591	1,419	44	blasts/yr	1069	555.9	32.1	kg/blast	28,688	Area of blast m^2										
S - Excavator loading OB to haul truck	93,422	44,186	6,691	63,750,472	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
S - Hauling to dump (Day)	523,081	111,901	11,190	29,218,966	t/yr.	0.090	0.019	0.002	kg/t	220	t/load	6.2	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	80	% Control
S - Hauling to dump (Night)	646,885	138,386	13,839	34,531,506	t/yr.	0.094	0.020	0.002	kg/t	220	t/load	6.5	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	80	% Control
S - Emplacing at dump	93,422	44,186	6,691	63,750,472	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
S - Rehandle OB	9,342	4,419	669	6,375,047	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
S - Dozers on OB in pit (Day)	88,288	20,864	9,270	7,051	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								
S - Dozers on OB in pit (Night)	104,340	24,658	10,956	8,333	hr/yr.	1.5	0.2	0.2	kg/h	10	S.C. %	2.5	M.C. %								
S - Dozers on OB working on OB (Day)	88,288	20,864	9,270	7,051	hr/yr.	12.5	3.0	1.3	kg/h	10	S.C. %	2.5	M.C. %								

Activity	TSP emission	PM10 emission	PM25 emission	Intensity	Units	EF - TSP	EF - PM10	EF - PM25	Units	Var. 1	Units	Var. 2	Units	Var. 3 - TSP/ PM10/PM2.5	Units	Var. 4	Units	Var. 5	Units	Var. 6	Units
S - Dozers on OB working on OB (Night)	104,340	24,658	10,956	8,333	hr/yr.	1.5	0.2	0.2	kg/h	10	S.C. %	2.5	M.C. %								
S - Dozers ripping/pushing/clean-up	13,948	3,226	307	988	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
S - Loading ROM coal to haul truck	152,646	22,742	2,900	3,675,765	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
S - Hauling ROM to hopper (Day)	13,483	2,884	288	1,684,725	t/yr.	0.080	0.017	0.002	kg/t	220	t/load	5.6	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	% silt c	280	t	90	% Control
S - Hauling ROM to hopper (Night)	14,217	3,041	304	1,991,039	t/yr.	0.071	0.015	0.002	kg/t	260	t/load	5.6	km/return trip	3.3 / 0.7 / 0.1	kg/VKT	2.0	% silt c	315	t	90	% Control
CHPP - Unloading ROM to hopper	115,862	17,262	2,201	18,600,000	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %									85	% Control
CHPP - Rehandle ROM at hopper	154,483	23,016	2,935	3,720,000	t/yr.	0.042	0.006	0.001	kg/t	9	M.C. %										
CHPP - Primary crushing	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to secondary crusher	6	3	0	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Secondary crushing	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Tertiary crushing	28,350	12,600	2,333	10,500,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to 1000t bin	9	4	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer	768	363	55	10,500,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to CPP	5	3	0	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer	464	219	33	8,400,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to Product stockpile	27	14	2	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Unloading to Product stockpile	1,160	549	83	8,400,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							25	% Control
CHPP - Transfer	464	219	33	8,400,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to train loadout	80	40	6	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Primary crushing - Stage 2	21,870	9,720	1,800	8,100,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer - Stage 2	593	280	42	8,100,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to crusher - Stage 2	11	6	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Secondary crushing - Stage 2	21,870	9,720	1,800	8,100,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Tertiary crushing - Stage 2	21,870	9,720	1,800	8,100,000	t/yr.	0.0027	0.0012	0.0002	kg/t												
CHPP - Transfer - Stage 2	593	280	42	8,100,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to bin - Stage 2	14	7	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer - Stage 2	593	280	42	8,100,000	t/yr.	0.00024	0.00012	0.00002	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	9	M.C. %							70	% Control
CHPP - Conveying to CPP Modules 2A & 2B	17	9	1	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Transfer - Stage 2	447	212	32	8,100,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to Product stockpile - Sta	30	15	2	0	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Unloading to Product stockpile - Stag	911	431	65	6,600,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							25	% Control
CHPP - Transfer - Stage 2	365	172	26	6,600,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %							70	% Control
CHPP - Conveying to train loadout - Stage 2	148	74	11	1	ha	850	425	64	kg/ha/yr.											70	% Control
CHPP - Loading coal to train	2,762	1,306	198	15,000,000	t/yr.	0.00018	0.00009	0.00001	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	11	M.C. %								
CHPP - Dozers on ROM stockpiles	70,578	16,326	1,553	5,000	hr/yr.	14.1	3.3	0.3	kg/h	5	S.C. %	9	M.C. %								
CHPP - Dozers on Product stockpiles	54,372	12,328	1,196	5,000	hr/yr.	10.9	2.5	0.2	kg/h	5	S.C. %	11	M.C. %								
OB - Loading Reject to haul truck	5,422	2,564	388	3,700,000	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
OB - Hauling Reject to dump	44,256	9,468	947	3,700,000	t/yr.	0.120	0.026	0.003	kg/t	220	t/load	8.3	km/return trip	3.2 / 0.7 / 0.1	kg/VKT	2.0	S.C. %	280	t	90	% Control
OB - Emplacing Reject at dump	5,422	2,564	388	3,700,000	t/yr.	0.00147	0.00069	0.00010	kg/t	1.692	Ave. $(WS/2.2)^{1.3}$ m	2.5	M.C. %								
WE - Overburden emplacement areas	342,816	171,408	25,711	511	ha	850	425	64	kg/ha/yr.											21	% Control
WE - Open pit	254,853	127,427	19,114	366	ha	850	425	64	kg/ha/yr.											18	% Control
WE - ROM stockpiles	8,395	4,197	630	7	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - Product stockpiles	4,324	2,162	324	4	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - ROM stockpiles Stage 2	3,287	1,644	247	9	ha	385	193	29	kg/ha/yr.	2	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - Product stockpiles Stage 2	1,159	580	87	3	ha	385	193	29	kg/ha/yr.	2	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >5.4m/s				
WE - Topsoil stockpiles	12,469	6,234	935	31	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >			65	% Control
WE - Initial Rehab	33,984	16,992	2,549	99	ha	1,139	570	85	kg/ha/yr.	5	S.C. %	66	No. of rain days (>0.25mm)			5.8	% of time wind speed >			70	% Control
OB - Grading roads	149,010	52,063	4,619	242,109	km	0.62	0.22	0.02	kg/VKT	8	km/h										
Diesel mining equipment	8,891	8,891	8,624																		
Locomotive idling	515	515	499																		
Total emissions (kg/yr.)	**6,696,511**	**1,845,889**	**321,515**																		

Table C-8: Emission inventory – Diesel emissions

Equipment type	Equipment Number						Power (hp)	Tier 4f	Load Factor	Hours of Operation						PM2.5 emissions (kg/yr.)					
	2026	2028	2031	2034	2041	2044				2026	2028	2031	2034	2041	2044	2026	2028	2031	2034	2041	2044
Loader	1	2	1	1	2	2	4,000	0.025	0.45	5,575	5,575	5,575	5,575	5,575	5,575	251	251	251	251	251	251
Loader	2	2	2	5	5	5	3,004	0.025	0.45	11,150	11,150	11,150	11,150	11,150	11,150	377	377	377	377	377	377
Loader	4	5	4	4	5	4	1,502	0.025	0.45	20,756	20,756	20,756	20,756	20,756	20,756	351	351	351	351	351	351
Loader	1	1	1	1	1	1	1,464	0.0251	0.45	3,260	3,260	3,260	3,260	3,260	3,260	54	54	54	54	54	54
Haul truck		17	17	30	38	36	2,850	0.025	0.32	-	91,887	91,807	161,915	205,200	194,400	-	2,095	2,093	3,692	4,679	4,432
Haul truck	44	21	21	17	24	21	2,478	0.025	0.32	237,414	113,508	113,409	91,752	129,600	113,400	4,707	2,250	2,248	1,819	2,569	2,248
Drill	2	3	3	4	5	4	801	0.0249	0.52	12,496	12,496	12,496	12,496	12,496	12,496	130	130	130	130	130	130
Dozer	6	8	7	9	12	11	850	0.025	0.48	30,228	30,228	30,228	30,228	30,228	30,228	308	308	308	308	308	308
Dozer	4	5	5	6	7	7	599	0.0072	0.48	20,371	20,371	20,371	20,371	20,371	20,371	42	42	42	42	42	42
Dozer	2	3	3	4	4	4	814	0.025	0.49	12,222	12,222	12,222	12,222	12,222	12,222	122	122	122	122	122	122
Dozer	6	5	5	7	9	8	944	0.025	0.32	37,387	37,387	37,387	37,387	37,387	37,387	282	282	282	282	282	282
Grader	5	4	4	5	7	6	290	0.0071	0.46	28,760	28,760	28,760	28,760	28,760	28,760	27	27	27	27	27	27
														Total emissions		**6,650**	**6,289**	**6,285**	**7,454**	**9,192**	**8,624**

The range of best practice control measures applied for the Project are summarised in **Table C-9**.

Table C-9: Summary of best practice control measures

Control measure		Control level applied to the Project	Available control range	Comment
Drilling	Dust suppression	70%	3% - 99%	Drill rigs are fitted with dust aprons and utilise either water injection or dust collectors.
Blasting	No blasting during unfavourable weather conditions	Not quantified	Not quantified	Project applies a range of blast management systems including predictive blast management system to assist with blasting
Hauling on unpaved surfaces	Watering of trafficked areas	80% – 90%	30% - 90%	Roads are constructed to achieve a compact, stable, and durable surface, using material will a low silt/ fines content. Surface is regularly maintained and controlled with watering.
Unloading ROM to hopper at CHPP	Enclosure and fogging sprays	85%	50% - 90%	Three-sided enclosure fitted with water sprays to remove turbulence induced from dumping and influence from crosswinds.
Conveyor transfer points	Enclosures and water sprays	70%	40% - 70%	Minimises lift-off of dust during transfer and removes influence from wind.
Conveyor	Enclosed conveyors	70%	40% - 70%	Enclosure acts as a wind break to prevent dust lift-off with moving material.
Loading product coal to stockpile	Luffing stacker	25%	25% - 75%	Luffing (variable height) stacker reduces drop height of material when loading stockpile and stacking can occur without dozer push.
Wind erosion - Overburden emplacement areas	Primary rehabilitation, watering of exposed surface and surface crusting	30%	30% - 80%	Watering binds loose material prevents dust lift-off when subject to winds. Natural surface crusting occurs when surface is watered and inactive for extended period.
Open pit	Inactivity and surface crusting/ stabilisation	30%	30% - 80%	Natural surface crusting occurs when surface is watered and inactive for extended period.
Topsoil stockpiles	Watering stockpile surface and vegetative wind breaks	65%	30% - 80%	Watering binds loose material prevents dust lift-off when subject to winds. Wind breaks prevent erosive and drying effects of wind.
Initial rehabilitation	Vegetative ground cover	70%	30% - 80%	Vegetative ground cover acts as a natural barrier to wind erosion.

Appendix D

Modelling Predictions

Table D-1: Modelling predictions for Scenario 1

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
Privately-owned receptors										
4	3	1	16	3	7	0.1	5	18	59	2
19	5	1	23	6	12	0.2	8	21	60	2
20	5	1	26	7	14	0.3	5	22	63	2
21	6	1	27	7	14	0.3	6	23	64	2
35	4	1	20	5	9	0.3	7	21	50	2
35b	4	1	20	5	9	0.3	7	21	50	2
43	1	0	7	1	1	0.0	6	**35**	83	3
43b	1	0	4	0	1	0.0	4	17	54	2
45	1	0	4	0	1	0.0	4	17	54	2
45b	1	0	4	0	1	0.0	4	17	54	2
45c	1	0	4	0	1	0.0	4	17	54	2
47	1	0	2	0	1	0.0	5	20	58	3
67	5	1	23	5	10	0.3	4	21	50	2
74	5	1	22	5	9	0.3	4	21	49	2
77	4	1	18	4	8	0.2	7	21	47	2
79	3	1	17	3	7	0.2	6	20	46	2
82	3	1	13	3	5	0.2	6	20	44	2
83	3	1	14	3	5	0.2	6	20	44	2
84a	3	1	15	3	6	0.2	6	20	45	2
84b	1	0	4	1	1	0.1	3	14	42	2
86a	4	1	18	4	8	0.2	4	20	47	2
86b	2	0	7	1	2	0.1	3	15	40	2
96	5	1	21	5	10	0.3	4	19	50	2
102	5	1	23	6	11	0.3	4	18	50	2
108	6	1	27	6	12	0.3	5	19	51	2
112	7	2	31	7	14	0.4	5	19	53	2
118	7	1	30	7	13	0.3	5	18	52	2
120	6	1	28	6	12	0.3	5	18	51	2
120c	6	1	29	6	13	0.3	5	18	52	2
121	7	1	31	7	13	0.3	5	18	52	2
136	4	1	18	2	5	0.1	4	14	43	2
140a	2	0	12	1	2	0.0	3	14	40	2
140c	2	0	11	2	3	0.1	4	16	41	2
143a	3	0	14	2	3	0.0	4	14	42	2
143b	6	1	23	3	5	0.1	4	15	45	2
147	7	1	29	3	6	0.1	4	15	46	2
153a	3	1	14	3	7	0.3	4	12	45	2
154	5	1	22	4	8	0.1	5	20	56	2
154b	5	1	22	4	8	0.1	5	20	56	2
156a	6	1	27	4	8	0.1	4	17	50	2
156b	0	0	1	0	0	0.0	4	14	47	2
157a	7	1	29	4	7	0.1	4	16	48	2
157b	0	0	1	0	0	0.0	4	13	46	2
159	6	1	26	3	6	0.1	4	15	46	2
169	2	0	11	2	4	0.1	4	15	41	2
171	2	0	9	1	3	0.0	3	15	40	2
172	2	0	7	1	2	0.0	3	15	39	2
172b	2	0	7	1	2	0.0	3	15	39	2
172c	1	0	6	1	2	0.0	3	15	38	2
310	2	0	7	1	2	0.0	3	15	39	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
173	2	0	7	1	2	0.0	3	15	39	2
174	2	0	7	1	2	0.0	3	15	39	2
175	2	0	7	1	2	0.0	3	15	39	2
175b	2	0	7	1	2	0.0	3	15	39	2
175c	2	0	7	1	2	0.0	3	15	39	2
176	2	0	7	1	2	0.0	3	15	39	2
177	2	0	7	1	2	0.0	3	15	39	2
178	1	0	5	1	1	0.0	3	16	38	2
179	1	0	5	1	1	0.0	3	15	38	2
180	1	0	5	1	1	0.0	3	16	38	2
180b	1	0	5	1	1	0.0	3	16	38	2
180c	1	0	3	0	1	0.0	3	16	37	2
181	1	0	4	0	1	0.0	3	18	40	2
181c	1	0	5	1	1	0.0	3	16	38	2
182	1	0	4	0	1	0.0	3	19	41	2
189	1	0	8	1	1	0.0	3	15	40	2
190	2	0	8	1	1	0.0	3	14	40	2
191	1	0	7	1	1	0.0	3	15	40	2
192	2	0	8	1	1	0.0	3	15	40	2
193	1	0	7	1	1	0.0	3	15	40	2
193c	1	0	7	1	1	0.0	3	14	39	2
194	2	0	9	1	1	0.0	3	14	39	2
195	1	0	8	1	1	0.0	3	14	39	2
197	1	0	7	1	2	0.0	3	15	39	2
196	1	0	6	1	2	0.0	3	15	39	2
195d	1	0	6	1	2	0.0	3	15	39	2
198	1	0	7	1	2	0.1	3	15	40	2
198b	2	0	7	1	2	0.1	3	15	40	2
199	1	0	7	1	2	0.1	3	15	39	2
200	1	0	6	1	2	0.1	3	15	39	2
202	2	0	9	2	3	0.1	3	16	41	2
202b	2	0	7	1	2	0.1	3	16	40	2
203	2	0	9	2	3	0.1	4	16	41	2
203b	2	0	9	2	3	0.1	4	16	41	2
203c	2	0	9	2	3	0.1	4	16	41	2
206	4	1	22	4	9	0.2	7	21	54	2
207	5	1	23	5	10	0.2	7	21	57	2
212	3	1	17	4	8	0.2	7	20	56	2
212b	3	1	17	4	8	0.2	7	20	56	2
213	4	1	20	5	11	0.2	8	21	60	2
214	4	1	20	5	11	0.2	8	21	60	2
215	4	1	21	5	11	0.2	8	21	60	2
216	4	1	21	5	11	0.2	8	21	60	2
216b	4	1	21	5	11	0.2	8	21	59	2
217	4	1	22	5	11	0.2	8	21	60	2
218	4	1	21	5	11	0.2	8	21	60	2
219	4	1	21	6	11	0.2	8	21	60	2
220	4	1	21	6	11	0.2	8	21	60	2
221	4	1	22	6	11	0.2	8	21	60	2
222	4	1	22	6	12	0.2	8	21	60	2
223	5	1	23	6	12	0.2	8	21	60	2
223b	5	1	22	6	12	0.2	8	21	61	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
224	5	1	23	6	12	0.2	8	21	61	2
225	4	1	22	5	11	0.2	8	21	59	2
249	1	0	3	0	1	0.0	4	21	54	2
252	1	0	3	0	0	0.0	4	14	47	2
257	1	0	6	0	1	0.0	5	23	60	2
258a	1	0	7	0	1	0.0	5	21	57	2
258c	1	0	7	0	1	0.0	5	21	56	2
259	1	0	6	0	1	0.0	4	20	56	2
259b	1	0	6	0	1	0.0	4	19	55	2
260	1	0	6	0	1	0.0	5	21	56	2
260a	1	0	6	0	1	0.0	4	21	56	2
260b	1	0	6	0	1	0.0	4	21	56	2
261	1	0	5	0	1	0.0	4	19	54	2
261b	1	0	5	0	1	0.0	4	19	54	2
271	0	0	2	0	1	0.0	4	16	46	2
272b	1	0	3	1	1	0.1	4	16	48	2
272	1	0	3	1	1	0.1	4	16	49	2
273	0	0	2	0	1	0.0	4	15	45	2
273b	0	0	2	0	1	0.0	4	16	46	2
288	3	1	16	3	6	0.2	7	22	48	2
288b	3	1	15	3	6	0.2	7	22	48	2
289	4	1	17	4	7	0.2	7	21	48	2
292	1	0	2	0	0	0.0	4	16	48	2
292b	0	0	2	0	0	0.0	4	16	48	2
300	1	0	3	0	0	0.0	4	19	53	2
298	1	0	3	0	0	0.0	4	20	54	2
296a	1	0	3	0	1	0.0	5	22	57	2
296b	1	0	3	0	1	0.0	4	21	55	2
302a	1	0	2	0	0	0.0	4	16	49	2
302c	1	0	2	0	0	0.0	4	15	48	2
401	1	0	3	1	1	0.0	3	15	42	2
402	1	0	3	1	1	0.0	3	14	41	2
404	1	0	3	1	1	0.1	3	14	42	2
407	1	0	4	1	2	0.1	3	13	41	2
413b	0	0	3	0	1	0.0	3	15	42	2
415	0	0	2	0	1	0.0	4	15	43	2
417	0	0	2	0	1	0.0	4	15	44	2
418	0	0	2	0	1	0.0	4	15	44	2
418b	0	0	2	0	1	0.0	4	15	44	2
419	0	0	3	0	1	0.0	4	15	43	2
421	0	0	2	0	1	0.0	4	15	44	2
422a	1	0	7	1	3	0.1	3	16	41	2
436	1	0	3	0	1	0.0	3	16	37	2
437	1	0	3	0	1	0.0	3	16	37	2
441	1	0	4	0	0	0.0	3	17	38	2
442	0	0	2	0	0	0.0	3	15	36	2
443	1	0	4	0	0	0.0	3	17	38	2
451	1	0	5	0	1	0.0	3	13	37	2
452	1	0	4	1	1	0.0	3	13	38	2
453a	0	0	2	0	1	0.0	4	15	45	2
453b	0	0	2	0	1	0.0	4	15	44	2
454	0	0	1	0	1	0.0	4	15	44	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
455	0	0	1	0	0	0.0	3	15	42	2
456	0	0	1	0	0	0.0	3	14	42	2
456b	0	0	1	0	0	0.0	3	14	42	2
458	0	0	2	0	0	0.0	4	15	45	2
460	0	0	1	0	0	0.0	3	12	41	2
460b	0	0	1	0	0	0.0	3	12	41	2
461	0	0	1	0	0	0.0	3	12	41	2
462a	0	0	1	0	0	0.0	3	12	42	2
462b	0	0	1	0	0	0.0	3	12	42	2
462c	0	0	1	0	0	0.0	3	12	42	2
464	0	0	1	0	0	0.0	4	13	46	2
464b	0	0	1	0	0	0.0	4	13	46	2
465	0	0	1	0	0	0.0	4	12	44	2
466	0	0	2	0	0	0.0	4	13	46	2
467	1	0	2	0	0	0.0	4	16	51	2
467b	1	0	2	0	0	0.0	4	16	51	2
468a	0	0	2	0	0	0.0	4	11	43	2
468b	0	0	2	0	0	0.0	4	11	42	2
468c	0	0	2	0	0	0.0	4	11	43	2
468d	0	0	2	0	0	0.0	4	11	43	2
470	0	0	2	0	0	0.0	4	14	45	2
471	0	0	2	0	0	0.0	4	13	45	2
472a	0	0	2	0	0	0.0	4	13	45	2
472b	0	0	2	0	0	0.0	4	14	45	2
472c	0	0	2	0	0	0.0	4	13	44	2
474	0	0	2	0	0	0.0	4	12	43	2
475	1	0	2	0	0	0.0	4	16	49	2
475b	1	0	2	0	0	0.0	4	16	49	2
476	0	0	1	0	0	0.0	4	12	43	2
477a	0	0	2	0	0	0.0	4	13	45	2
477b	0	0	2	0	0	0.0	4	13	45	2
481	0	0	1	0	0	0.0	3	11	41	2
483	0	0	1	0	0	0.0	3	10	41	2
484	0	0	1	0	0	0.0	3	11	41	2
485a	0	0	1	0	0	0.0	3	11	40	2
485b	0	0	1	0	0	0.0	3	11	40	2
485c	0	0	1	0	0	0.0	3	11	40	2
485d	0	0	1	0	0	0.0	3	11	39	2
485e	0	0	1	0	0	0.0	3	11	40	2
485f	0	0	1	0	0	0.0	3	11	40	2
487	1	0	3	0	1	0.0	5	**28**	66	2
488a	1	0	4	0	1	0.0	7	**44**	88	2
488b	1	0	4	0	1	0.0	6	**35**	76	2
515a	0	0	3	0	0	0.0	3	13	36	2
515b	0	0	2	0	0	0.0	3	13	36	2
516	0	0	2	0	0	0.0	3	14	36	2
517	1	0	3	0	0	0.0	3	13	36	2
518	0	0	2	0	0	0.0	3	11	36	2
519	0	0	2	0	0	0.0	3	13	36	2
522a	1	0	4	1	1	0.0	3	13	38	2
522b	3	0	12	2	4	0.2	6	19	43	2
522c	3	0	12	2	4	0.2	6	19	43	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
522d	3	0	12	2	4	0.2	6	19	43	2
526	3	1	17	3	7	0.2	7	20	46	2
527	3	1	15	3	6	0.2	7	21	46	2
528	3	1	14	3	6	0.2	7	21	46	2
529	3	1	14	3	6	0.2	7	21	46	2
530	3	1	14	3	6	0.2	6	21	46	2
531	3	1	14	3	6	0.2	6	21	46	2
531b	3	1	14	3	6	0.2	7	21	46	2
532	3	1	14	3	6	0.2	6	21	46	2
533	3	1	14	3	6	0.2	7	21	46	2
534	3	1	14	3	6	0.2	7	21	46	2
535	3	1	14	3	6	0.2	7	21	46	2
536	3	1	14	3	6	0.2	7	21	46	2
537	3	1	14	3	6	0.2	7	21	46	2
538	3	1	15	3	6	0.2	7	22	48	2
539	3	1	15	3	6	0.2	7	22	48	2
541	3	1	15	3	6	0.2	7	22	48	2
542	3	1	15	3	6	0.2	7	22	48	2
543	3	1	15	3	6	0.2	7	22	48	2
543b	3	1	15	3	6	0.2	7	22	48	2
544	3	1	15	3	6	0.2	7	22	48	2
545	3	1	15	3	6	0.2	7	22	48	2
547	2	0	8	1	1	0.0	3	14	39	2
549	1	0	2	0	1	0.0	4	11	41	2
550	1	0	3	0	1	0.0	5	13	44	2
552	0	0	2	0	1	0.0	4	11	40	2
553	1	0	3	0	1	0.0	6	15	48	2
554	1	0	2	0	1	0.0	4	12	41	2
557	1	0	3	0	1	0.0	5	14	45	2
559	1	0	3	0	1	0.0	5	13	43	2
560	1	0	3	0	1	0.0	4	13	43	2
561	1	0	3	0	1	0.0	4	12	42	2
562	1	0	3	0	1	0.0	4	12	42	2
563	1	0	2	0	1	0.0	4	12	41	2
564	1	0	2	0	1	0.0	4	11	41	2
565	1	0	2	0	1	0.0	4	11	41	2
566	0	0	2	0	1	0.0	4	11	40	2
569	0	0	2	0	1	0.0	3	10	39	2
570	0	0	2	0	1	0.0	3	10	39	2
571	1	0	3	0	1	0.0	3	10	39	2
572	0	0	2	0	1	0.0	3	10	39	2
573	1	0	2	0	1	0.0	3	10	39	2
574	1	0	2	0	1	0.0	3	10	39	2
575	1	0	3	1	1	0.0	3	10	39	2
576	1	0	3	1	1	0.0	3	10	39	2
577a	1	0	3	1	1	0.0	3	11	39	2
577b	1	0	3	1	1	0.0	3	10	39	2
578	1	0	3	1	1	0.0	3	10	39	2
583	0	0	2	0	0	0.0	3	10	36	2
586	0	0	2	0	0	0.0	3	13	36	2
587a	0	0	2	0	0	0.0	3	14	36	2
587b	0	0	2	0	0	0.0	3	14	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
588	0	0	2	0	0	0.0	3	13	36	2
600a	3	1	14	3	6	0.2	7	22	48	2
600b	3	1	14	3	6	0.2	7	22	48	2
601	3	1	14	3	6	0.2	7	22	48	2
602	3	1	14	3	6	0.2	7	22	48	2
603	3	1	14	3	6	0.2	7	22	48	2
604	3	1	14	3	6	0.2	7	22	47	2
605	3	1	14	3	6	0.2	7	22	47	2
606	3	1	14	3	6	0.2	7	22	47	2
607	3	1	14	3	6	0.2	7	22	47	2
608	3	1	14	3	6	0.2	7	22	47	2
609	3	1	14	3	6	0.2	7	22	47	2
610	3	1	14	3	6	0.2	7	22	47	2
611	3	1	14	3	6	0.2	7	22	47	2
612	3	1	14	3	6	0.2	7	22	47	2
613	3	1	14	3	6	0.2	7	22	47	2
614	3	1	14	3	6	0.2	7	22	47	2
615	3	1	14	3	6	0.2	7	22	47	2
616a	3	1	13	3	5	0.2	6	20	44	2
616b	3	1	14	3	6	0.2	7	22	47	2
617a	3	1	13	3	5	0.2	7	22	47	2
618a	3	1	13	3	5	0.2	7	21	46	2
618b	3	1	13	3	5	0.2	7	21	47	2
619	3	1	13	3	5	0.2	7	21	46	2
621	3	1	13	3	5	0.2	7	21	46	2
622a	3	1	13	3	5	0.2	7	21	46	2
623a	1	0	4	0	0	0.0	6	18	38	2
623b	3	1	13	3	5	0.2	7	21	46	2
630a	2	1	12	3	5	0.2	6	21	45	2
631	2	1	12	3	5	0.2	6	21	45	2
632	2	1	12	3	5	0.2	6	21	45	2
648	2	1	12	3	5	0.2	6	21	45	2
649	2	1	12	3	5	0.2	6	21	45	2
650	2	1	12	3	5	0.2	6	21	45	2
651	2	1	12	3	5	0.2	6	21	45	2
652	2	1	13	3	5	0.2	6	21	45	2
653	2	1	12	3	5	0.2	6	21	45	2
654a	3	1	13	3	5	0.2	6	20	45	2
654b	2	1	12	3	5	0.2	6	21	45	2
655	2	1	12	3	5	0.2	6	21	45	2
658a	3	1	13	3	5	0.2	6	21	45	2
659	3	1	13	3	5	0.2	6	21	46	2
660a	3	1	13	3	5	0.2	6	21	46	2
660b	3	1	13	3	5	0.2	6	21	46	2
661	3	1	13	3	5	0.2	6	21	46	2
662	3	1	13	3	5	0.2	6	21	46	2
663	3	1	13	3	6	0.2	6	21	46	2
664	3	1	13	3	6	0.2	6	21	46	2
665a	3	1	13	3	6	0.2	6	21	46	2
665b	3	1	13	3	6	0.2	7	21	46	2
667a	3	1	16	4	7	0.2	7	21	47	2
667b	3	1	16	4	7	0.2	7	21	47	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
667c	3	1	16	4	7	0.2	7	21	47	2
667d	3	1	16	4	7	0.2	7	21	47	2
667e	3	1	16	4	7	0.2	7	21	47	2
667f	2	0	12	2	4	0.2	6	18	42	2
669	3	1	14	3	6	0.2	6	21	46	2
671	3	1	14	3	6	0.2	6	21	46	2
672	3	1	14	3	6	0.2	6	21	46	2
673	3	1	14	3	6	0.2	6	21	46	2
675	3	1	14	3	6	0.2	6	20	46	2
676	3	1	14	3	6	0.2	6	20	46	2
677	3	1	14	3	6	0.2	6	20	46	2
678	3	1	14	3	6	0.2	6	20	45	2
679	3	1	13	3	6	0.2	6	20	45	2
680	3	1	13	3	6	0.2	6	20	45	2
681	3	1	13	3	5	0.2	6	20	45	2
682a	3	1	13	3	5	0.2	6	20	45	2
682b	3	1	13	3	5	0.2	6	20	45	2
683	3	1	13	3	5	0.2	6	20	45	2
684	3	1	13	3	5	0.2	6	20	45	2
685	3	1	13	3	5	0.2	6	20	45	2
686	3	1	13	3	5	0.2	6	20	45	2
687	3	1	13	3	5	0.2	6	20	45	2
688	3	1	13	3	5	0.2	6	20	45	2
689	3	1	13	3	6	0.2	6	21	46	2
690	3	1	13	3	5	0.2	6	20	45	2
691	3	1	13	3	5	0.2	6	20	45	2
692	3	1	13	3	5	0.2	6	20	45	2
693	3	1	13	3	5	0.2	6	20	45	2
694a	3	1	13	3	5	0.2	6	20	45	2
694b	3	1	13	3	5	0.2	6	20	45	2
695	3	1	13	3	5	0.2	6	20	45	2
697	3	1	13	3	5	0.2	6	20	45	2
698	3	1	13	3	5	0.2	6	20	45	2
715	1	0	4	0	1	0.0	3	18	39	2
728	3	1	13	3	5	0.2	6	20	44	2
729	3	1	13	3	5	0.2	6	20	45	2
730	3	1	13	3	5	0.2	6	20	45	2
731	3	1	13	3	5	0.2	6	20	45	2
732	3	1	13	3	5	0.2	6	20	45	2
733	3	1	13	3	5	0.2	6	20	45	2
735a	3	1	13	3	5	0.2	6	20	44	2
735b	3	1	13	3	5	0.2	6	20	44	2
736	3	1	13	3	5	0.2	6	20	44	2
737	3	1	13	3	5	0.2	6	20	44	2
738	3	1	13	3	5	0.2	6	20	44	2
739	3	1	13	3	5	0.2	6	20	44	2
740a	3	1	13	3	5	0.2	6	20	44	2
740b	3	1	13	3	5	0.2	6	20	44	2
740c	3	1	13	3	5	0.2	6	20	44	2
740d	3	1	13	3	5	0.2	6	20	44	2
740e	3	1	13	3	5	0.2	6	20	44	2
740f	3	1	13	3	5	0.2	6	20	44	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
741	3	1	13	3	5	0.2	6	20	44	2
742	3	1	13	3	5	0.2	6	20	44	2
743	3	1	13	3	5	0.2	6	20	44	2
744	3	1	13	3	5	0.2	6	20	44	2
745	3	1	13	3	5	0.2	6	20	44	2
746	3	1	13	3	5	0.2	6	20	44	2
747	3	1	13	3	5	0.2	6	20	44	2
748a	3	1	13	3	5	0.2	6	20	44	2
748b	1	0	6	1	2	0.1	6	17	40	2
749a	3	1	13	3	5	0.2	6	20	45	2
749b	3	1	13	3	5	0.2	6	20	45	2
750	3	1	13	3	5	0.2	6	20	45	2
751	3	1	13	3	5	0.2	6	20	45	2
752a	3	1	13	3	5	0.2	6	20	45	2
752b	3	1	13	3	5	0.2	6	20	45	2
753	3	1	13	3	5	0.2	6	20	45	2
754	3	1	13	3	5	0.2	6	20	45	2
755	3	1	13	3	5	0.2	6	20	45	2
756	3	1	13	3	5	0.2	6	20	45	2
757	3	1	13	3	6	0.2	6	20	45	2
758	3	1	13	3	6	0.2	6	20	45	2
759a	3	1	14	3	6	0.2	6	20	45	2
759b	3	1	14	3	6	0.2	6	20	45	2
760	3	1	14	3	6	0.2	6	20	45	2
761	3	1	14	3	6	0.2	6	20	45	2
762	3	1	14	3	6	0.2	6	20	45	2
763	3	1	14	3	6	0.2	6	20	45	2
764	3	1	14	3	6	0.2	6	20	45	2
765a	3	1	14	3	6	0.2	6	20	45	2
765b	3	1	14	3	6	0.2	6	20	45	2
766	3	1	14	3	6	0.2	6	20	45	2
767	3	1	14	3	6	0.2	6	20	45	2
768	3	1	14	3	6	0.2	6	20	45	2
769	3	1	14	3	6	0.2	6	20	45	2
770	3	1	14	3	6	0.2	6	20	45	2
771	3	1	14	3	6	0.2	6	20	45	2
772	3	1	14	3	6	0.2	6	20	45	2
773	3	1	14	3	6	0.2	6	20	45	2
774	3	1	14	3	6	0.2	6	20	45	2
775	3	1	14	3	6	0.2	6	20	45	2
776	3	1	14	3	6	0.2	6	20	45	2
777	3	1	14	3	6	0.2	6	20	45	2
778a	3	1	14	3	6	0.2	6	20	45	2
778b	3	1	14	3	6	0.2	6	20	45	2
779a	3	1	14	3	6	0.2	6	20	45	2
779b	3	1	14	3	6	0.2	6	20	45	2
780	3	1	14	3	6	0.2	6	20	45	2
781	3	1	14	3	6	0.2	6	20	45	2
782	3	1	14	3	6	0.2	6	20	45	2
783	3	1	14	3	6	0.2	6	20	45	2
784	3	1	13	3	5	0.2	6	20	45	2
785	3	1	13	3	5	0.2	6	20	45	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
786	3	1	13	3	5	0.2	6	20	45	2
787a	3	1	13	3	5	0.2	6	20	45	2
787b	3	1	13	3	5	0.2	6	20	45	2
788	3	1	13	3	5	0.2	6	20	45	2
789	3	1	13	3	5	0.2	6	20	45	2
790a	3	1	13	3	5	0.2	6	20	45	2
790b	3	1	13	3	5	0.2	6	20	45	2
791a	3	1	13	3	5	0.2	6	20	45	2
791b	3	1	13	3	5	0.2	6	20	45	2
792a	3	1	13	3	5	0.2	6	20	45	2
792b	3	1	13	3	5	0.2	6	20	45	2
793	3	1	13	3	5	0.2	6	20	45	2
794	3	1	13	3	5	0.2	6	20	45	2
795	3	1	13	3	5	0.2	6	20	45	2
796	3	1	14	3	5	0.2	6	20	45	2
797a	3	1	14	3	5	0.2	6	20	45	2
797b	3	1	14	3	5	0.2	6	20	45	2
798	3	1	14	3	5	0.2	6	20	45	2
801	3	1	14	3	5	0.2	6	20	45	2
802	3	1	14	3	5	0.2	6	20	45	2
803a	3	1	14	3	5	0.2	6	20	44	2
803b	3	1	14	3	5	0.2	6	20	44	2
804	3	1	14	3	5	0.2	6	20	44	2
805	3	1	13	3	5	0.2	6	20	44	2
806	3	1	13	2	5	0.2	6	19	43	2
807	3	1	13	2	5	0.2	6	19	43	2
808	3	1	13	2	5	0.2	6	19	43	2
809	3	1	13	2	5	0.2	6	19	43	2
810	3	1	13	2	5	0.2	6	19	43	2
811	3	1	13	2	5	0.2	6	19	43	2
812	3	1	13	2	5	0.2	6	19	43	2
813	3	1	13	2	5	0.2	6	19	43	2
814	3	1	13	2	5	0.2	6	19	43	2
815a	3	0	13	2	5	0.2	6	19	43	2
815b	3	1	13	2	5	0.2	6	19	43	2
816	3	0	13	2	5	0.2	6	19	43	2
817	3	0	12	2	4	0.2	6	19	43	2
819	2	0	12	2	4	0.2	6	18	42	2
820a	2	0	12	2	4	0.2	6	18	42	2
820b	2	0	12	2	4	0.2	6	18	42	2
821	2	0	12	2	4	0.2	6	18	42	2
822	2	0	12	2	4	0.2	6	18	42	2
823a	2	0	11	2	4	0.2	6	18	42	2
823b	2	0	12	2	4	0.2	6	18	42	2
824	2	0	11	2	4	0.2	6	18	42	2
825	2	0	11	2	4	0.2	6	18	42	2
826	2	0	11	2	4	0.2	6	18	42	2
827	2	0	11	2	4	0.2	6	18	42	2
828	2	0	11	2	4	0.2	6	18	42	2
829a	2	0	11	2	4	0.2	6	18	42	2
829b	2	0	11	2	4	0.2	6	18	42	2
830	2	0	11	2	4	0.2	6	18	42	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
831	2	0	11	2	4	0.2	6	18	42	2
832	2	0	10	2	4	0.2	6	18	42	2
833	2	0	10	2	4	0.2	6	18	42	2
834	2	0	10	2	4	0.1	6	18	42	2
835	2	0	10	2	4	0.1	6	18	42	2
836	2	0	10	2	3	0.1	6	17	41	2
837	2	0	10	2	3	0.1	6	17	41	2
838	2	0	10	2	3	0.1	6	17	41	2
839	2	0	10	2	3	0.1	6	17	41	2
840	2	0	9	2	3	0.1	6	17	41	2
841	2	0	9	2	3	0.1	6	17	41	2
843a	2	0	9	2	3	0.1	6	17	41	2
843b	2	0	9	2	3	0.1	6	17	41	2
844a	2	0	8	2	3	0.1	6	17	41	2
845	2	0	8	1	3	0.1	6	17	40	2
846	2	0	7	1	3	0.1	6	17	40	2
847	2	0	7	1	3	0.1	6	17	40	2
848	2	0	7	1	3	0.1	6	17	40	2
849	2	0	7	1	3	0.1	6	17	40	2
850	2	0	7	1	3	0.1	6	17	40	2
853	2	0	7	1	3	0.1	6	17	40	2
854	2	0	7	1	3	0.1	6	17	40	2
855	1	0	7	1	3	0.1	6	17	40	2
856	1	0	7	1	3	0.1	6	17	40	2
857	1	0	7	1	2	0.1	6	17	40	2
858	1	0	7	1	2	0.1	6	17	40	2
859	1	0	7	1	2	0.1	6	17	40	2
860	1	0	7	1	2	0.1	6	17	40	2
861	1	0	7	1	2	0.1	6	17	40	2
862	1	0	7	1	2	0.1	6	17	40	2
863	1	0	6	1	2	0.1	6	17	40	2
864	1	0	6	1	2	0.1	6	17	40	2
865	1	0	6	1	2	0.1	6	17	40	2
866	1	0	6	1	2	0.1	6	17	40	2
867	1	0	6	1	2	0.1	6	17	40	2
868	1	0	6	1	2	0.1	6	17	39	2
870	1	0	6	1	2	0.1	6	17	39	2
871	1	0	6	1	2	0.1	6	17	39	2
872a	1	0	6	1	2	0.1	6	17	39	2
900a	1	0	3	0	0	0.0	3	17	38	2
900b	1	0	4	0	1	0.0	3	19	41	2
901	1	0	4	0	1	0.0	3	19	40	2
902	1	0	4	0	1	0.0	3	19	40	2
903	1	0	4	0	1	0.0	3	19	40	2
904	1	0	4	0	1	0.0	3	19	40	2
905	1	0	4	0	1	0.0	3	19	40	2
906	1	0	4	0	1	0.0	3	19	40	2
907	1	0	4	0	1	0.0	3	19	40	2
908	1	0	4	0	1	0.0	3	19	40	2
909	1	0	3	0	1	0.0	3	18	40	2
911	1	0	3	0	1	0.0	3	18	40	2
912	1	0	3	0	1	0.0	3	19	40	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
913	1	0	3	0	1	0.0	3	19	40	2
914	1	0	3	0	1	0.0	3	19	40	2
915	1	0	3	0	1	0.0	3	19	40	2
916	1	0	3	0	1	0.0	3	19	40	2
917	1	0	4	0	1	0.0	3	19	40	2
918	1	0	4	0	1	0.0	3	19	40	2
919	1	0	4	0	1	0.0	3	19	40	2
920	1	0	3	0	1	0.0	3	19	40	2
921	1	0	3	0	1	0.0	3	19	40	2
922	1	0	3	0	1	0.0	3	19	40	2
924	1	0	4	0	1	0.0	3	19	40	2
925	1	0	4	0	1	0.0	3	19	40	2
926	1	0	4	0	1	0.0	3	19	40	2
927	1	0	4	0	1	0.0	3	19	40	2
928	1	0	4	0	1	0.0	3	19	40	2
929	1	0	4	0	1	0.0	3	19	40	2
930	1	0	4	0	1	0.0	3	19	41	2
931	1	0	4	0	1	0.0	3	19	41	2
932a	1	0	4	0	1	0.0	3	19	41	2
932b	1	0	4	0	1	0.0	3	19	41	2
933	1	0	4	0	1	0.0	3	19	41	2
934	1	0	4	0	1	0.0	3	19	41	2
935a	1	0	4	0	1	0.0	3	19	40	2
935b	1	0	3	0	1	0.0	3	19	40	2
936	1	0	4	0	1	0.0	3	19	41	2
937	1	0	4	0	1	0.0	3	19	41	2
938	1	0	4	0	1	0.0	3	19	41	2
939	1	0	4	0	1	0.0	3	19	41	2
940	1	0	4	0	1	0.0	3	19	41	2
941	1	0	4	0	1	0.0	3	19	41	2
942	1	0	4	0	1	0.0	3	19	41	2
943	1	0	4	0	1	0.0	3	19	41	2
944	1	0	4	0	1	0.0	3	19	41	2
945a	1	0	4	0	1	0.0	3	19	41	2
945b	1	0	4	0	1	0.0	3	19	41	2
946	1	0	4	0	1	0.0	3	19	41	2
947	1	0	4	0	1	0.0	3	19	41	2
948	1	0	4	0	1	0.0	3	19	40	2
949	1	0	4	0	1	0.0	3	19	40	2
950	1	0	4	0	1	0.0	3	19	40	2
951	1	0	4	0	1	0.0	3	19	40	2
952	1	0	4	0	1	0.0	3	19	40	2
953	1	0	4	0	1	0.0	3	19	40	2
954	1	0	4	0	1	0.0	3	18	40	2
955	1	0	4	0	1	0.0	3	19	40	2
956	1	0	4	0	1	0.0	3	18	40	2
957a	1	0	3	0	0	0.0	3	17	38	2
957b	1	0	4	0	1	0.0	3	18	40	2
958	1	0	4	0	1	0.0	3	19	40	2
959	1	0	4	0	1	0.0	3	19	40	2
960	1	0	4	0	1	0.0	3	19	40	2
961	1	0	4	0	1	0.0	3	19	40	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
962	1	0	4	0	1	0.0	3	19	41	2
963	1	0	4	0	1	0.0	3	19	41	2
964	1	0	4	0	1	0.0	3	19	41	2
965	1	0	4	0	1	0.0	3	19	41	2
966	1	0	4	0	1	0.0	3	19	41	2
967a	1	0	4	0	1	0.0	3	19	40	2
967b	1	0	4	0	1	0.0	3	19	40	2
968	1	0	4	0	1	0.0	3	19	40	2
969	1	0	4	0	1	0.0	3	18	40	2
970	1	0	4	0	1	0.0	3	18	40	2
971	1	0	4	0	1	0.0	3	18	40	2
972	1	0	4	0	1	0.0	3	18	40	2
973	1	0	4	0	1	0.0	3	18	40	2
974	1	0	4	0	1	0.0	3	18	39	2
976	1	0	4	0	0	0.0	3	18	39	2
977a	1	0	3	0	0	0.0	3	18	38	2
977b	1	0	4	0	1	0.0	3	18	39	2
978	1	0	4	0	0	0.0	3	18	38	2
979a	1	0	3	0	0	0.0	3	17	37	2
979b	1	0	4	0	0	0.0	3	18	38	2
980	1	0	4	0	0	0.0	3	17	38	2
981a	1	0	4	0	0	0.0	3	17	38	2
981b	1	0	4	0	0	0.0	3	17	38	2
982	1	0	4	0	0	0.0	3	17	38	2
983	1	0	4	0	0	0.0	3	18	38	2
984	1	0	4	0	0	0.0	3	18	38	2
985	1	0	4	0	0	0.0	3	18	39	2
986	1	0	4	0	0	0.0	3	18	38	2
987	1	0	4	0	0	0.0	3	18	38	2
988a	1	0	3	0	1	0.0	3	18	38	2
988b	1	0	4	0	1	0.0	3	18	39	2
989a	1	0	3	0	1	0.0	3	18	38	2
989b	1	0	3	0	1	0.0	3	18	39	2
990	1	0	3	0	1	0.0	3	18	39	2
991	1	0	3	0	1	0.0	3	18	39	2
992	1	0	4	0	1	0.0	3	18	39	2
993a	1	0	4	0	1	0.0	3	18	39	2
993b	1	0	4	0	1	0.0	3	18	39	2
994a	1	0	4	0	1	0.0	3	18	39	2
994b	1	0	4	0	1	0.0	3	18	39	2
995	1	0	4	0	1	0.0	3	18	39	2
997	1	0	4	0	1	0.0	3	18	39	2
998	1	0	4	0	1	0.0	3	18	40	2
999	1	0	3	0	1	0.0	3	18	38	2
1000	1	0	3	0	1	0.0	3	18	38	2
1001	1	0	3	0	1	0.0	3	18	38	2
1002	1	0	3	0	1	0.0	3	18	38	2
1003	1	0	3	0	0	0.0	3	18	38	2
1004	1	0	3	0	0	0.0	3	17	38	2
1005	1	0	3	0	0	0.0	3	17	38	2
1006	1	0	3	0	0	0.0	3	17	38	2
1007	1	0	3	0	0	0.0	3	17	38	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
1008	1	0	3	0	0	0.0	3	17	38	2
1009	1	0	3	0	0	0.0	3	17	38	2
1010	1	0	3	0	0	0.0	3	17	38	2
1011	1	0	3	0	0	0.0	3	17	38	2
1012	1	0	3	0	0	0.0	3	18	38	2
1014	1	0	3	0	1	0.0	3	18	38	2
1015	1	0	3	0	1	0.0	3	18	38	2
1016	1	0	3	0	0	0.0	3	18	38	2
1017	1	0	3	0	0	0.0	3	18	38	2
1018	1	0	3	0	0	0.0	3	17	38	2
1019	1	0	3	0	0	0.0	3	17	38	2
1020	1	0	3	0	0	0.0	3	17	38	2
1021	1	0	3	0	0	0.0	3	17	38	2
1022	1	0	3	0	0	0.0	3	17	38	2
1023	1	0	3	0	0	0.0	3	17	38	2
1024	1	0	3	0	0	0.0	3	17	38	2
1025	1	0	3	0	0	0.0	3	17	38	2
1026	1	0	3	0	0	0.0	3	18	38	2
1027	1	0	3	0	0	0.0	3	18	38	2
1028	1	0	3	0	0	0.0	3	17	38	2
1029	1	0	3	0	0	0.0	3	17	38	2
1030	1	0	3	0	0	0.0	3	17	38	2
1031	1	0	3	0	0	0.0	3	17	38	2
1032	1	0	3	0	0	0.0	3	17	37	2
1033	1	0	3	0	0	0.0	3	17	37	2
1034	1	0	3	0	0	0.0	3	17	37	2
1035	1	0	3	0	0	0.0	3	17	37	2
1036a	1	0	3	0	0	0.0	3	17	37	2
1036b	1	0	3	0	0	0.0	3	17	37	2
1037	1	0	3	0	0	0.0	3	17	37	2
1038	1	0	3	0	0	0.0	3	17	37	2
1039	1	0	3	0	0	0.0	3	17	38	2
1040	1	0	4	0	0	0.0	3	17	38	2
1041	1	0	4	0	0	0.0	3	17	38	2
1042	1	0	4	0	0	0.0	3	17	38	2
1043	1	0	4	0	0	0.0	3	17	38	2
1044	1	0	4	0	0	0.0	3	17	38	2
1045	1	0	4	0	0	0.0	3	17	37	2
1046	1	0	3	0	0	0.0	3	17	37	2
1077	1	0	4	0	0	0.0	3	17	38	2
1078	1	0	4	0	0	0.0	3	17	37	2
1079	1	0	4	0	0	0.0	3	17	37	2
1080	1	0	4	0	0	0.0	3	17	37	2
1081	1	0	4	0	0	0.0	3	17	37	2
1082a	1	0	4	0	0	0.0	3	17	37	2
1082b	1	0	4	0	0	0.0	3	17	37	2
1100a	0	0	1	0	0	0.0	3	10	40	2
1100b	0	0	1	0	0	0.0	3	10	39	2
Mine-owned receptors										
23	6	1	31	7	14	0.3	5	22	61	2
68	4	1	21	5	9	0.3	4	21	50	2
80a	3	1	17	3	7	0.2	7	20	46	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
135	5	1	21	4	7	0.2	4	14	45	2
135b	5	1	22	4	7	0.2	4	14	46	2
139	3	0	13	2	3	0.1	4	14	41	2
158	6	1	27	3	7	0.1	4	16	47	2
231	4	1	17	4	7	0.2	7	20	46	2
263	2	0	9	0	1	0.0	5	21	59	2
1p	5	1	22	5	11	0.3	4	17	49	2
1z	8	1	31	3	6	0.1	4	14	46	2
1ab	8	1	34	4	7	0.1	4	15	47	2
1ac	6	1	31	7	13	0.3	5	22	59	2
1ad	1	0	5	1	2	0.2	3	13	42	2
1ae	8	2	39	10	20	0.5	6	23	63	3
1af	5	1	25	6	12	0.3	5	21	53	2
1ag	5	1	25	6	11	0.3	5	21	52	2
1ah	5	1	22	5	10	0.3	4	21	50	2
1ai	5	1	22	5	10	0.3	4	21	50	2
1aj	5	1	22	5	10	0.3	4	21	50	2
1ak	5	1	22	5	9	0.3	4	21	49	2
1al	5	1	22	5	9	0.3	4	21	49	2
1am	4	1	20	4	9	0.3	4	20	48	2
1ar	5	1	22	5	10	0.3	4	19	49	2
1as	5	1	22	5	10	0.3	4	19	49	2
1aw	5	1	24	6	11	0.3	5	19	50	2
1ax	5	1	22	5	11	0.3	4	19	50	2
1bb	6	1	27	6	12	0.4	5	21	53	2
1bc	5	1	23	5	11	0.3	4	18	50	2
1bd	1	0	5	1	2	0.1	4	13	43	2
1bf	8	1	30	4	8	0.2	4	14	47	2
1bg	7	1	27	4	7	0.1	4	14	47	2
2i	6	1	28	7	13	0.4	5	21	55	2
246	1	0	5	1	1	0.0	7	**47**	**92**	3
246b	1	0	5	1	1	0.0	7	**46**	**91**	3
2b	20	4	**97**	21	46	0.8	9	**38**	**99**	3
2d	3	1	15	3	7	0.2	4	21	48	2
2e	11	3	**58**	13	27	0.6	6	**26**	73	3
2f	**25**	6	**125**	28	61	1.3	**10**	**41**	**108**	3
2n	1	0	6	1	1	0.0	7	**53**	**101**	3
2o	1	0	5	1	1	0.0	6	**39**	80	2
2p	1	0	5	1	1	0.0	6	**38**	78	2
2r	1	0	5	1	1	0.0	6	**38**	78	2
2s	1	0	5	1	1	0.0	6	**37**	78	2
2w	1	0	5	1	1	0.0	5	**26**	63	2
2x	7	1	34	7	15	0.3	6	25	70	3
2y	7	2	36	8	16	0.3	6	25	70	3
2z	7	2	36	8	16	0.3	6	24	69	3
2aa	7	2	37	8	16	0.3	6	**25**	70	3
2ab	7	2	35	7	16	0.3	6	24	68	3
2ad	7	2	34	8	16	0.3	6	24	68	2
2af	6	2	30	7	15	0.3	6	24	66	2
2ai	14	3	**68**	14	29	0.5	7	**34**	88	3
2aj	7	2	33	8	17	0.3	6	24	65	2
2al	21	5	**103**	22	48	0.8	9	**40**	**101**	3

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
2am	6	1	29	7	15	0.3	6	23	66	2
2an	1	0	5	1	1	0.0	6	**36**	76	2
2ao	1	0	5	1	1	0.0	6	**37**	77	2
7	6	1	30	6	13	0.2	6	24	68	2
211	3	1	16	4	8	0.2	7	19	57	2
299	1	0	3	0	0	0.0	4	19	54	2
487b	1	0	3	0	1	0.0	5	**27**	64	2
5f	6	1	31	6	13	0.2	6	24	69	2
5g	6	1	32	7	14	0.2	6	25	69	3
5i	1	0	3	0	0	0.0	4	20	54	2
5j	0	0	2	0	0	0.0	4	13	44	2
5k	1	0	3	0	0	0.0	4	20	55	2
5l	1	0	3	0	1	0.0	5	23	58	2
5m	1	0	5	1	1	0.0	**12**	**101**	**161**	3
5p	1	0	5	1	1	0.0	8	**54**	**101**	3
5r	3	0	12	2	3	0.0	**17**	**169**	**264**	**5**
5t	3	1	13	3	5	0.1	8	**53**	**105**	3
5v	1	0	3	0	0	0.0	4	18	51	2
5x	1	0	3	0	0	0.0	4	18	51	2
5y	3	1	15	3	6	0.1	5	19	61	2
5z	3	1	15	3	6	0.1	5	18	60	2
5aa	3	1	15	3	6	0.1	5	19	60	2
5ab	2	1	10	3	5	0.1	5	16	56	2
5ad	2	1	10	3	5	0.1	5	16	55	2
5af	2	1	10	3	5	0.1	5	16	55	2
5ag	0	0	2	0	0	0.0	4	17	50	2
5ah	0	0	2	0	0	0.0	4	14	45	2
5ai	1	0	2	0	0	0.0	4	16	49	2
5aj	1	0	3	0	1	0.0	5	**29**	67	2
5ak	1	0	3	0	1	0.0	5	**30**	68	2
5al	0	0	2	0	0	0.0	4	15	47	2
5am	2	0	7	1	2	0.0	**19**	**192**	**289**	**5**
3a	1	0	7	1	1	0.0	3	16	41	2
3b	1	0	7	1	1	0.0	3	15	41	2
3c	6	1	24	3	5	0.1	4	15	44	2
3d	1	0	6	1	1	0.0	3	16	41	2
3e	1	0	6	1	1	0.0	3	16	41	2
3f	1	0	5	1	1	0.0	3	16	41	2
3g	4	0	15	2	4	0.1	4	14	42	2
3i	2	0	8	1	1	0.0	3	14	38	2
3j	1	0	6	0	1	0.0	3	15	39	2
3k	3	0	12	2	4	0.1	4	14	41	2
3m	3	1	16	3	6	0.2	5	24	62	3
3n	2	0	8	1	2	0.0	3	15	38	2
3o	3	1	13	3	5	0.1	4	16	45	2
3p	2	1	12	3	5	0.2	4	17	48	2
3r	1	0	7	1	3	0.1	3	16	41	2
3s	2	0	7	2	3	0.1	4	16	42	2
3t	3	0	12	2	4	0.1	4	14	41	2
3u	3	0	12	2	4	0.1	4	14	41	2
3v	6	1	28	5	9	0.2	5	19	55	2
274	0	0	2	0	1	0.0	4	15	45	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
416	0	0	2	0	1	0.0	4	15	43	2
463	0	0	1	0	0	0.0	3	12	41	2
7b	0	0	1	0	0	0.0	3	10	42	2
7c	0	0	1	0	0	0.0	3	10	42	2
7d	1	0	3	0	0	0.0	4	12	44	2
7e	0	0	1	0	0	0.0	4	12	43	2
7f	0	0	1	0	0	0.0	3	11	42	2
7g	0	0	1	0	0	0.0	4	14	44	2
7h	0	0	2	0	1	0.0	4	15	46	2
7i	0	0	2	0	1	0.0	4	15	44	2
7j	0	0	2	0	1	0.0	4	16	46	2
7k	1	0	3	1	1	0.0	4	15	43	2
7l	0	0	1	0	0	0.0	3	10	42	2
7m	0	0	2	0	1	0.0	4	16	46	2
7n	1	0	3	0	1	0.0	3	10	37	2
7o	0	0	2	0	1	0.0	3	9	36	2
8b	0	0	1	0	0	0.0	3	10	40	2
8c	0	0	1	0	0	0.0	3	10	40	2
8e	0	0	1	0	0	0.0	3	9	42	2
8f	0	0	2	0	0	0.0	3	9	41	2
8h	0	0	1	0	0	0.0	4	11	43	2
8i	0	0	1	0	0	0.0	3	11	41	2
8j	0	0	1	0	0	0.0	3	10	40	2
8k	0	0	1	0	0	0.0	3	9	42	2
8l	0	0	1	0	0	0.0	4	11	42	2
8m	0	0	1	0	0	0.0	4	11	43	2
8n	0	0	1	0	0	0.0	3	11	41	2
8o	0	0	2	0	0	0.0	3	8	41	2
8p	0	0	2	0	0	0.0	3	8	41	2
Mal1	1	0	3	0	1	0.0	6	16	49	2
Mal2	1	0	3	0	1	0.0	4	12	42	2
Mal3	1	0	3	0	1	0.0	5	13	45	2
Council/ State-owned receptors										
286e	0	0	2	0	1	0.0	4	11	40	2
286f	0	0	2	0	1	0.0	3	10	39	2
N1	1	0	3	0	0	0.0	3	17	37	2
N2	1	0	3	0	0	0.0	3	17	37	2
N3	1	0	3	0	0	0.0	3	17	37	2
N4	1	0	3	0	0	0.0	3	17	37	2
N5	1	0	3	0	0	0.0	3	17	38	2
N6	1	0	3	0	0	0.0	3	17	38	2
N7	1	0	3	0	0	0.0	3	17	38	2
N8	1	0	3	0	0	0.0	3	17	38	2
N9	1	0	3	0	0	0.0	3	17	38	2
N10	1	0	3	0	0	0.0	3	17	38	2
N11	1	0	3	0	0	0.0	3	18	38	2
N12	1	0	4	0	0	0.0	3	17	37	2
N13	1	0	4	0	0	0.0	3	17	37	2
N14	1	0	4	0	0	0.0	3	17	37	2
N15	1	0	4	0	0	0.0	3	17	37	2
N16	1	0	4	0	0	0.0	3	17	37	2
N17	1	0	4	0	0	0.0	3	17	37	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
N18	1	0	4	0	0	0.0	3	17	38	2
N19	1	0	4	0	0	0.0	3	17	38	2
N20	1	0	4	0	0	0.0	3	17	38	2
N21	1	0	4	0	0	0.0	3	17	38	2
N22	1	0	3	0	1	0.0	3	12	37	2
N23	1	0	3	0	1	0.0	3	12	37	2
N24	1	0	3	0	1	0.0	3	12	37	2
N25	1	0	3	0	1	0.0	3	12	37	2
N26	1	0	3	0	1	0.0	3	12	37	2
N27	1	0	3	0	1	0.0	3	12	37	2
N28	1	0	6	1	2	0.1	6	16	39	2
Aged care receptors										
658a	3	1	13	3	5	0.2	6	21	45	2
658b	2	1	13	3	5	0.2	6	20	45	2
658c	2	1	12	3	5	0.2	6	20	45	2
658d	2	1	12	3	5	0.2	6	21	45	2
658e	2	1	13	3	5	0.2	6	21	45	2
Prison receptors										
MP1	1	0	2	0	1	0.0	3	12	37	2
MP42	1	0	2	0	1	0.0	3	11	37	2
MP80	0	0	2	0	0	0.0	3	10	36	2
Commercial accommodation receptors										
622b	3	1	14	3	6	0.2	7	21	46	2
622c	3	1	14	3	6	0.2	7	21	46	2
622d	3	1	14	3	5	0.2	7	21	46	2
622e	3	1	13	3	5	0.2	7	21	46	2
622f	3	1	13	3	5	0.2	7	21	46	2
622g	3	1	13	3	5	0.2	7	21	46	2
622h	3	1	14	3	5	0.2	7	21	46	2
622i	3	1	14	3	6	0.2	7	21	46	2
622j	3	1	14	3	6	0.2	7	21	46	2
622k	3	1	14	3	6	0.2	7	21	46	2
622l	3	1	14	3	6	0.2	7	21	46	2
622m	3	1	14	3	6	0.2	7	21	46	2
622n	3	1	14	3	6	0.2	7	21	46	2
622o	3	1	14	3	6	0.2	7	21	46	2
622p	3	1	14	3	6	0.2	7	21	46	2
622q	3	1	14	3	5	0.2	7	21	46	2
622r	3	1	14	3	5	0.2	7	21	46	2
622s	3	1	14	3	5	0.2	7	21	46	2
622t	3	1	13	3	5	0.2	7	21	46	2
622u	3	1	14	3	6	0.2	7	21	47	2
622v	3	1	14	3	6	0.2	7	21	47	2
622w	3	1	13	3	5	0.2	7	21	46	2
622x	3	1	14	3	6	0.2	7	21	47	2
622y	3	1	14	3	6	0.2	7	21	46	2
622z	3	1	14	3	5	0.2	7	21	46	2
622aa	3	1	13	3	5	0.2	7	21	46	2
622ab	3	1	13	3	5	0.2	7	21	46	2
622ac	3	1	14	3	6	0.2	7	21	47	2
622ad	3	1	14	3	6	0.2	7	21	46	2
622ae	3	1	14	3	6	0.2	7	21	46	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
622af	3	1	14	3	6	0.2	7	21	46	2
622ag	3	1	14	3	6	0.2	7	21	46	2
975	1	0	4	0	1	0.0	3	18	39	2
Commercial receptors										
6	6	1	29	6	12	0.2	6	23	66	2
195e	2	0	8	1	1	0.0	3	14	39	2
140b-1	1	0	6	1	2	0.1	3	17	40	2
140b-2	1	0	6	1	2	0.1	3	17	40	2
140b-3	1	0	6	1	2	0.1	3	17	40	2
140b-4	1	0	6	1	2	0.1	3	17	40	2
202c	2	0	8	1	3	0.1	3	16	40	2
202d	2	0	8	1	3	0.1	3	16	40	2
202e	2	0	8	1	3	0.1	3	16	40	2
202f	2	0	8	1	3	0.1	3	16	40	2
202g	2	0	8	1	3	0.1	3	16	40	2
472d	0	0	2	0	0	0.0	4	13	44	2
472e	0	0	2	0	0	0.0	4	13	44	2
472f	0	0	2	0	0	0.0	4	13	45	2
472g	0	0	2	0	0	0.0	4	13	45	2
472h	0	0	2	0	0	0.0	4	13	45	2
472i	0	0	2	0	0	0.0	4	13	45	2
472j	0	0	2	0	0	0.0	4	13	44	2
472k	0	0	2	0	0	0.0	4	13	44	2
472l	0	0	2	0	0	0.0	4	14	45	2
472m	0	0	2	0	0	0.0	4	13	45	2
489	4	1	18	3	6	0.1	**10**	**87**	**152**	3
540	3	1	15	3	6	0.2	4	22	48	2
546a	3	1	17	4	7	0.2	4	22	49	2
546b	3	1	17	4	7	0.2	4	22	49	2
546c	3	1	16	4	7	0.2	4	22	49	2
617b	3	1	13	3	6	0.2	4	21	47	2
617c	3	1	14	3	6	0.2	4	21	47	2
617d	3	1	14	3	6	0.2	4	21	47	2
617e	3	1	14	3	6	0.2	4	21	47	2
617f	3	1	14	3	6	0.2	4	21	47	2
617g	3	1	13	3	6	0.2	4	22	47	2
617h	3	1	13	3	6	0.2	4	22	47	2
617i	3	1	14	3	6	0.2	4	21	47	2
620	3	1	13	3	5	0.2	4	21	46	2
622ah	3	1	14	3	6	0.2	4	21	46	2
622ai	3	1	14	3	6	0.2	4	21	46	2
611aj	3	1	13	3	5	0.2	4	21	46	2
622ak	3	1	13	3	5	0.2	4	21	46	2
625	3	1	13	3	5	0.2	4	21	46	2
629	3	1	13	3	5	0.2	4	21	46	2
626	3	1	13	3	5	0.2	4	21	46	2
627	3	1	13	3	5	0.2	4	21	46	2
628	3	1	13	3	5	0.2	4	21	46	2
630a	2	1	12	3	5	0.2	6	21	45	2
630b	2	1	13	3	5	0.2	4	21	46	2
630c	2	1	13	3	5	0.2	4	21	46	2
630d	2	1	13	3	5	0.2	4	21	46	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
656	2	1	13	3	5	0.2	4	21	45	2
674a	3	1	14	3	6	0.2	4	20	46	2
674b	3	1	14	3	6	0.2	4	20	46	2
818a	2	0	12	2	4	0.2	4	18	43	2
818b	2	0	12	2	4	0.2	4	18	43	2
844b	2	0	8	2	3	0.1	4	17	41	2
872b	1	0	6	1	2	0.1	3	17	39	2
1085	1	0	4	0	0	0.0	3	17	37	2
2ap	1	0	5	1	1	0.0	6	**39**	80	2
2aq	1	0	5	1	1	0.0	6	**37**	77	2
2ar	1	0	5	1	1	0.0	6	**37**	77	2
5h	0	0	2	0	0	0.0	4	13	45	2
5w	1	0	3	0	0	0.0	4	18	51	2
5an	0	0	2	0	0	0.0	4	13	45	2
5ao	0	0	2	0	0	0.0	4	13	45	2
5ap	1	0	3	0	0	0.0	4	18	51	2
8q	0	0	1	0	0	0.0	3	10	40	2
Mal4	1	0	3	0	1	0.0	**16**	**35**	77	2
Mal5	1	0	3	0	1	0.0	**15**	**33**	73	2
Mal6	1	0	3	0	1	0.0	**16**	**34**	76	2
UHSC2	1	0	4	0	1	0.0	3	18	40	2
UHSC3	1	0	4	0	1	0.0	3	18	40	2
UHSC4	1	0	4	0	1	0.0	3	18	40	2
N29	1	0	3	1	1	0.0	3	13	38	2
School receptors										
N30	3	1	13	3	6	0.2	4	21	46	2
N31	3	1	13	3	6	0.2	4	21	46	2
N32	3	1	13	3	6	0.2	4	21	46	2
N33	3	1	13	3	6	0.2	4	21	46	2
Church receptors										
520	1	0	4	1	1	0.0	3	14	38	2
658b	2	1	13	3	5	0.2	6	20	45	2
658c	2	1	12	3	5	0.2	6	20	45	2
616c	3	1	13	3	6	0.2	4	22	47	2
N34	1	0	3	0	1	0.0	3	12	37	2
Heritage receptors										
H1	0	0	1	0	0	0.0	3	11	41	2
H2	2	1	13	3	5	0.2	4	20	45	2
H3	8	2	40	9	19	0.3	6	**26**	73	3
H4	11	2	**53**	11	23	0.4	7	**36**	89	3
H5	11	2	**52**	11	23	0.4	7	**36**	89	3
H6	11	2	**51**	11	23	0.4	7	**36**	89	3
H7	11	2	**53**	12	23	0.4	7	**36**	90	3
H8	11	2	**54**	12	24	0.4	7	**37**	**90**	3
H9	12	2	**56**	12	25	0.4	8	**37**	**91**	3
H10	20	4	**98**	21	45	0.8	**9**	**38**	**99**	3
H11	4	1	18	4	8	0.1	5	19	60	2
H12	3	0	13	2	4	0.1	**12**	**108**	**177**	3
H13	3	0	13	2	4	0.1	**11**	**103**	**170**	3
H14	3	0	13	2	4	0.1	**11**	**101**	**167**	3
H15	3	0	13	2	4	0.1	**11**	**97**	**163**	3
H16	3	0	13	2	4	0.1	**11**	**96**	**160**	3

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
H17	3	0	13	2	4	0.1	**11**	**94**	**158**	3
H18	3	0	13	2	4	0.1	**11**	**91**	**154**	3
H19	1	0	3	0	1	0.0	3	12	37	2

Note: DD = dust deposition.

Table D-2: Modelling predictions for Scenario 2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
Privately-owned receptors										
4	3	1	15	4	7	0.1	5	14	55	2
19	5	1	23	6	13	0.3	8	19	58	2
20	6	1	27	7	15	0.3	5	19	61	2
21	6	1	27	7	15	0.3	5	20	61	2
35	5	1	22	5	11	0.3	7	20	50	2
35b	5	1	22	5	11	0.3	7	20	50	2
43	1	0	9	1	2	0.0	6	**33**	81	3
43b	1	0	5	0	1	0.0	4	12	47	2
45	1	0	4	0	1	0.0	4	10	44	2
45b	1	0	4	0	1	0.0	4	10	44	2
45c	1	0	4	0	1	0.0	4	10	44	2
47	1	0	3	0	1	0.0	4	16	53	3
67	5	1	24	6	12	0.4	4	20	51	2
74	5	1	22	6	12	0.3	4	20	50	2
77	4	1	19	5	10	0.3	7	20	48	2
79	4	1	17	4	9	0.3	7	20	46	2
82	3	1	14	3	7	0.3	6	19	44	2
83	3	1	14	3	7	0.3	6	19	45	2
84a	3	1	15	4	8	0.3	6	19	45	2
84b	1	0	4	1	2	0.1	3	13	41	2
86a	4	1	19	5	11	0.3	4	20	48	2
86b	2	0	11	2	3	0.1	3	14	40	2
96	6	1	26	7	16	0.4	5	19	53	2
102	6	2	27	7	16	0.4	5	19	54	2
108	7	2	30	8	18	0.5	5	19	55	2
112	7	2	33	9	19	0.5	5	19	57	2
118	7	2	34	8	19	0.5	5	19	57	2
120	7	2	34	8	19	0.5	5	19	56	2
120c	8	2	35	8	19	0.5	5	19	57	2
121	8	2	36	9	20	0.5	5	19	57	2
136	5	1	24	5	11	0.3	4	14	48	2
140a	3	0	14	2	4	0.1	3	12	40	2
140c	3	1	16	3	6	0.2	4	15	42	2
143a	4	1	18	2	5	0.1	3	11	40	2
143b	9	1	41	5	12	0.2	4	14	47	2
147	9	1	41	5	11	0.2	4	13	47	2
153a	4	1	18	4	8	0.3	4	11	45	2
154	7	2	34	7	17	0.4	5	16	53	2
154b	7	2	34	7	17	0.4	5	16	53	2
156a	10	2	49	8	19	0.4	5	16	55	2
156b	0	0	2	0	0	0.0	3	8	39	2
157a	10	1	45	7	17	0.3	4	15	53	2
157b	0	0	2	0	0	0.0	3	7	38	2
159	9	1	43	5	13	0.2	4	14	49	2
169	4	1	17	3	7	0.1	4	14	43	2
171	3	1	14	2	5	0.1	3	14	41	2
172	2	0	11	2	4	0.1	3	14	40	2
172b	2	0	10	2	4	0.1	3	14	39	2
172c	2	0	7	1	3	0.0	3	15	38	2
310	2	0	11	2	4	0.1	3	14	40	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
173	2	0	10	2	4	0.1	3	14	39	2
174	2	0	10	2	4	0.1	3	14	39	2
175	2	0	10	2	4	0.1	3	14	39	2
175b	2	0	10	2	4	0.1	3	14	39	2
175c	2	0	10	2	4	0.1	3	14	39	2
176	2	0	10	2	4	0.1	3	14	39	2
177	2	0	10	2	3	0.1	3	14	39	2
178	1	0	6	1	2	0.0	3	15	38	2
179	2	0	7	1	2	0.0	3	15	38	2
180	1	0	7	1	2	0.0	3	15	38	2
180b	1	0	6	1	2	0.0	3	15	37	2
180c	1	0	4	1	1	0.0	3	15	37	2
181	1	0	5	1	1	0.0	3	16	36	2
181c	2	0	8	1	2	0.0	3	15	37	2
182	1	0	5	0	1	0.0	3	16	36	2
189	2	0	9	1	2	0.0	3	12	38	2
190	2	0	9	1	2	0.0	3	12	38	2
191	2	0	8	1	2	0.0	3	12	37	2
192	2	0	8	1	2	0.0	3	12	38	2
193	2	0	8	1	2	0.0	3	12	37	2
193c	2	0	8	1	1	0.0	3	12	37	2
194	2	0	10	1	2	0.0	3	12	38	2
195	2	0	9	1	2	0.1	3	13	38	2
197	2	0	8	1	2	0.1	3	14	38	2
196	2	0	8	1	2	0.1	3	14	38	2
195d	2	0	9	1	3	0.1	3	14	39	2
198	2	0	10	2	3	0.1	3	15	39	2
198b	2	0	10	2	3	0.1	3	15	39	2
199	2	0	9	1	3	0.1	3	15	39	2
200	2	0	9	1	3	0.1	3	14	39	2
202	3	0	13	2	5	0.1	4	16	41	2
202b	2	0	11	2	4	0.1	3	16	40	2
203	3	1	14	2	5	0.2	4	16	42	2
203b	3	0	14	2	5	0.1	4	16	42	2
203c	3	1	14	2	5	0.2	4	16	42	2
206	4	1	21	5	10	0.2	7	19	52	2
207	5	1	22	5	12	0.2	7	19	56	2
212	4	1	17	4	10	0.2	7	17	54	2
212b	4	1	17	4	10	0.2	7	17	54	2
213	5	1	21	6	12	0.2	7	18	57	2
214	5	1	21	6	12	0.2	7	18	57	2
215	5	1	21	6	12	0.2	7	18	57	2
216	5	1	21	6	12	0.2	7	18	57	2
216b	5	1	21	6	12	0.2	7	18	57	2
217	5	1	22	6	12	0.2	7	18	57	2
218	5	1	22	6	12	0.2	7	18	58	2
219	5	1	22	6	12	0.2	7	18	58	2
220	5	1	22	6	13	0.2	7	18	58	2
221	5	1	22	6	13	0.2	7	18	58	2
222	5	1	22	6	13	0.2	7	18	58	2
223	5	1	23	6	13	0.2	7	18	58	2
223b	5	1	23	6	13	0.2	8	18	58	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
224	5	1	23	6	13	0.2	8	18	58	2
225	5	1	22	6	12	0.2	7	18	57	2
249	1	0	3	0	1	0.0	3	12	41	2
252	1	0	4	0	0	0.0	3	8	39	2
257	1	0	7	1	1	0.0	3	11	42	2
258a	2	0	8	0	1	0.0	3	9	41	2
258c	2	0	8	0	1	0.0	3	9	41	2
259	1	0	7	0	1	0.0	3	9	41	2
259b	1	0	7	0	1	0.0	3	9	40	2
260	1	0	7	0	1	0.0	3	10	41	2
260a	1	0	7	0	1	0.0	3	10	41	2
260b	1	0	7	0	1	0.0	3	10	41	2
261	1	0	5	0	1	0.0	3	10	40	2
261b	1	0	5	0	1	0.0	3	10	40	2
271	0	0	2	0	1	0.0	4	14	44	2
272b	1	0	3	1	1	0.1	4	14	46	2
272	1	0	3	1	2	0.1	4	14	47	2
273	0	0	2	1	1	0.0	4	14	43	2
273b	0	0	2	0	1	0.0	4	14	44	2
288	3	1	16	4	8	0.2	7	20	48	2
288b	3	1	16	4	8	0.2	7	20	48	2
289	4	1	19	4	9	0.3	7	20	48	2
292	1	0	2	0	0	0.0	3	10	40	2
292b	1	0	2	0	0	0.0	3	9	40	2
300	1	0	3	0	1	0.0	3	9	41	2
298	1	0	3	0	1	0.0	3	9	42	2
296a	1	0	3	0	1	0.0	3	10	43	2
296b	1	0	3	0	1	0.0	3	10	42	2
302a	1	0	2	0	0	0.0	3	9	40	2
302c	1	0	2	0	0	0.0	3	9	40	2
401	1	0	3	1	1	0.1	3	13	41	2
402	1	0	4	1	1	0.1	3	13	40	2
404	1	0	4	1	2	0.1	3	13	41	2
407	1	0	5	1	2	0.1	3	12	40	2
413b	1	0	3	0	1	0.0	3	14	41	2
415	0	0	2	0	1	0.0	3	14	42	2
417	0	0	2	0	1	0.0	3	14	42	2
418	0	0	2	0	1	0.0	3	14	42	2
418b	0	0	2	0	1	0.0	3	14	42	2
419	1	0	3	1	1	0.0	3	14	42	2
421	0	0	3	1	1	0.0	4	14	43	2
422a	2	0	9	2	4	0.1	3	14	40	2
436	1	0	4	1	1	0.0	3	15	36	2
437	1	0	4	1	1	0.0	3	15	36	2
441	1	0	5	0	1	0.0	3	16	36	2
442	0	0	2	0	0	0.0	3	14	35	2
443	1	0	5	0	1	0.0	3	16	36	2
451	1	0	6	0	1	0.0	3	12	36	2
452	1	0	5	1	2	0.0	3	13	37	2
453a	0	0	2	0	1	0.0	3	13	42	2
453b	0	0	2	0	1	0.0	3	13	42	2
454	0	0	2	0	1	0.0	3	13	41	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
455	0	0	2	0	0	0.0	3	12	39	2
456	0	0	2	0	0	0.0	3	12	39	2
456b	0	0	2	0	0	0.0	3	12	39	2
458	0	0	2	0	0	0.0	3	12	42	2
460	0	0	1	0	0	0.0	3	9	37	2
460b	0	0	1	0	0	0.0	3	9	37	2
461	0	0	1	0	0	0.0	3	9	37	2
462a	0	0	1	0	0	0.0	3	9	37	2
462b	0	0	1	0	0	0.0	3	9	37	2
462c	0	0	1	0	0	0.0	3	9	37	2
464	0	0	2	0	0	0.0	3	7	38	2
464b	0	0	2	0	0	0.0	3	7	38	2
465	0	0	2	0	0	0.0	3	7	38	2
466	1	0	3	0	0	0.0	3	7	38	2
467	1	0	3	0	1	0.0	3	8	39	2
467b	1	0	3	0	1	0.0	3	8	39	2
468a	0	0	2	0	0	0.0	3	8	38	2
468b	0	0	2	0	0	0.0	3	8	38	2
468c	0	0	2	0	0	0.0	3	8	38	2
468d	0	0	2	0	0	0.0	3	8	38	2
470	0	0	2	0	0	0.0	3	9	39	2
471	0	0	2	0	0	0.0	3	8	39	2
472a	0	0	2	0	0	0.0	3	9	39	2
472b	0	0	2	0	0	0.0	3	9	39	2
472c	0	0	2	0	0	0.0	3	8	39	2
474	0	0	2	0	0	0.0	3	8	39	2
475	1	0	2	0	0	0.0	3	9	40	2
475b	1	0	2	0	0	0.0	3	9	40	2
476	0	0	2	0	0	0.0	3	8	39	2
477a	1	0	2	0	0	0.0	3	8	39	2
477b	1	0	2	0	0	0.0	3	8	39	2
481	0	0	1	0	0	0.0	3	8	38	2
483	0	0	1	0	0	0.0	3	8	38	2
484	0	0	1	0	0	0.0	3	8	38	2
485a	0	0	1	0	0	0.0	3	9	37	2
485b	0	0	1	0	0	0.0	3	9	37	2
485c	0	0	1	0	0	0.0	3	9	37	2
485d	0	0	1	0	0	0.0	3	9	37	2
485e	0	0	1	0	0	0.0	3	9	37	2
485f	0	0	1	0	0	0.0	3	9	37	2
487	1	0	4	0	1	0.0	4	10	44	2
488a	1	0	4	1	1	0.0	4	11	46	2
488b	1	0	5	1	1	0.0	4	13	48	2
515a	1	0	3	0	1	0.0	3	13	36	2
515b	0	0	2	0	0	0.0	3	13	36	2
516	0	0	2	0	0	0.0	3	13	36	2
517	1	0	4	0	0	0.0	3	12	36	2
518	0	0	2	0	1	0.0	3	11	36	2
519	0	0	3	0	0	0.0	3	13	36	2
522a	1	0	5	1	2	0.1	3	13	38	2
522b	3	1	13	3	6	0.2	6	18	44	2
522c	3	1	13	3	6	0.2	6	18	44	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
522d	3	1	13	3	6	0.2	6	18	43	2
526	4	1	17	4	9	0.3	7	20	47	2
527	3	1	16	4	8	0.3	7	20	46	2
528	3	1	16	4	8	0.3	7	20	46	2
529	3	1	16	4	8	0.3	6	20	46	2
530	3	1	16	4	8	0.3	6	20	46	2
531	3	1	16	4	8	0.3	6	20	46	2
531b	3	1	16	4	8	0.3	6	20	46	2
532	3	1	16	4	8	0.3	6	20	46	2
533	3	1	16	4	8	0.3	6	20	46	2
534	3	1	16	4	8	0.3	6	20	46	2
535	3	1	16	4	8	0.3	6	20	46	2
536	3	1	16	4	8	0.3	6	20	46	2
537	3	1	15	4	8	0.3	6	20	46	2
538	3	1	16	4	8	0.2	7	20	48	2
539	3	1	16	4	8	0.2	7	21	47	2
541	3	1	16	4	8	0.2	7	21	47	2
542	3	1	16	4	8	0.2	7	21	47	2
543	3	1	16	4	8	0.2	7	21	47	2
543b	3	1	16	4	8	0.2	7	20	48	2
544	3	1	16	4	8	0.2	7	20	48	2
545	3	1	16	4	8	0.2	7	20	48	2
547	2	0	10	1	2	0.0	3	13	38	2
549	1	0	2	0	1	0.0	4	10	39	2
550	1	0	3	1	1	0.0	4	11	41	2
552	1	0	2	1	1	0.0	3	10	39	2
553	1	0	3	1	1	0.0	6	13	45	2
554	1	0	3	1	1	0.0	4	10	39	2
557	1	0	3	1	1	0.0	5	12	43	2
559	1	0	3	0	1	0.0	4	11	41	2
560	1	0	3	0	1	0.0	4	11	41	2
561	1	0	3	0	1	0.0	4	10	40	2
562	1	0	3	0	1	0.0	4	10	40	2
563	1	0	2	0	1	0.0	4	10	39	2
564	1	0	2	0	1	0.0	4	10	39	2
565	1	0	2	0	1	0.0	4	10	39	2
566	1	0	2	0	1	0.0	4	10	39	2
569	1	0	2	0	1	0.0	3	9	38	2
570	1	0	3	1	1	0.0	3	9	38	2
571	1	0	3	1	1	0.0	3	9	38	2
572	1	0	3	1	1	0.0	3	9	38	2
573	1	0	3	1	1	0.0	3	9	38	2
574	1	0	3	1	1	0.0	3	9	38	2
575	1	0	3	1	1	0.0	3	9	38	2
576	1	0	3	1	1	0.0	3	9	38	2
577a	1	0	3	1	1	0.0	3	10	38	2
577b	1	0	3	1	1	0.0	3	10	38	2
578	1	0	4	1	1	0.0	3	10	38	2
583	0	0	2	0	1	0.0	3	10	36	2
586	0	0	2	0	0	0.0	3	13	36	2
587a	0	0	2	0	0	0.0	3	14	35	2
587b	0	0	2	0	0	0.0	3	14	35	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
588	0	0	2	0	0	0.0	3	13	36	2
600a	3	1	15	4	7	0.2	7	21	47	2
600b	3	1	15	4	8	0.2	7	21	47	2
601	3	1	15	4	7	0.2	7	21	47	2
602	3	1	15	4	7	0.2	7	21	47	2
603	3	1	15	4	7	0.2	7	21	47	2
604	3	1	15	3	7	0.2	7	21	47	2
605	3	1	15	3	7	0.2	7	21	47	2
606	3	1	15	3	7	0.2	7	21	47	2
607	3	1	15	3	7	0.2	7	21	47	2
608	3	1	15	3	7	0.2	7	21	47	2
609	3	1	15	3	7	0.2	7	21	47	2
610	3	1	15	3	7	0.2	7	21	47	2
611	3	1	15	3	7	0.2	7	21	46	2
612	3	1	15	3	7	0.2	7	20	47	2
613	3	1	14	3	7	0.2	7	20	46	2
614	3	1	14	3	7	0.2	7	21	46	2
615	3	1	14	3	7	0.2	7	21	46	2
616a	3	1	14	3	7	0.3	6	19	45	2
616b	3	1	14	3	7	0.2	7	20	46	2
617a	3	1	14	3	7	0.2	6	20	46	2
618a	3	1	14	3	7	0.2	6	20	46	2
618b	3	1	14	3	7	0.2	6	20	46	2
619	3	1	14	3	7	0.2	6	20	46	2
621	3	1	14	3	7	0.2	6	20	46	2
622a	3	1	14	3	7	0.2	6	20	46	2
623a	1	0	5	0	1	0.0	6	16	36	2
623b	3	1	13	3	7	0.2	6	20	46	2
630a	3	1	13	3	6	0.2	6	20	45	2
631	3	1	13	3	6	0.2	6	20	45	2
632	3	1	13	3	6	0.2	6	20	45	2
648	3	1	13	3	6	0.2	6	20	45	2
649	3	1	13	3	7	0.2	6	20	45	2
650	3	1	13	3	7	0.2	6	20	45	2
651	3	1	13	3	7	0.3	6	20	45	2
652	3	1	13	3	7	0.2	6	20	45	2
653	3	1	13	3	7	0.3	6	20	45	2
654a	3	1	14	3	7	0.3	6	20	45	2
654b	3	1	13	3	7	0.3	6	20	45	2
655	3	1	13	3	7	0.3	6	20	45	2
658a	3	1	13	3	7	0.3	6	20	45	2
659	3	1	13	3	7	0.3	6	20	45	2
660a	3	1	13	3	7	0.3	6	20	45	2
660b	3	1	13	3	7	0.3	6	20	45	2
661	3	1	14	3	7	0.3	6	20	45	2
662	3	1	14	3	7	0.3	6	20	45	2
663	3	1	14	3	7	0.3	6	20	46	2
664	3	1	14	3	7	0.3	6	20	46	2
665a	3	1	14	4	7	0.3	6	20	46	2
665b	3	1	14	3	7	0.3	6	20	46	2
667a	4	1	18	4	9	0.3	7	20	47	2
667b	4	1	18	4	9	0.3	7	20	47	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
667c	4	1	18	4	9	0.3	7	20	47	2
667d	4	1	18	4	9	0.3	7	20	47	2
667e	4	1	18	4	9	0.3	7	20	47	2
667f	3	1	12	3	6	0.2	6	18	43	2
669	3	1	15	4	7	0.3	6	20	46	2
671	3	1	15	4	7	0.3	6	20	46	2
672	3	1	15	4	7	0.3	6	20	46	2
673	3	1	15	4	7	0.3	6	20	46	2
675	3	1	15	4	7	0.3	6	20	46	2
676	3	1	15	4	7	0.3	6	20	46	2
677	3	1	15	4	7	0.3	6	20	46	2
678	3	1	15	3	7	0.3	6	20	46	2
679	3	1	15	3	7	0.3	6	20	45	2
680	3	1	15	3	7	0.3	6	20	45	2
681	3	1	15	3	7	0.3	6	20	45	2
682a	3	1	15	3	7	0.3	6	20	45	2
682b	3	1	14	3	7	0.3	6	20	45	2
683	3	1	14	3	7	0.3	6	20	45	2
684	3	1	14	3	7	0.3	6	20	45	2
685	3	1	14	3	7	0.3	6	20	45	2
686	3	1	14	3	7	0.3	6	20	45	2
687	3	1	14	3	7	0.3	6	20	45	2
688	3	1	14	3	7	0.3	6	20	45	2
689	3	1	14	3	7	0.3	6	20	45	2
690	3	1	14	3	7	0.3	6	20	45	2
691	3	1	14	3	7	0.3	6	20	45	2
692	3	1	14	3	7	0.3	6	20	45	2
693	3	1	14	3	7	0.3	6	20	45	2
694a	3	1	14	3	7	0.3	6	19	45	2
694b	3	1	14	3	7	0.3	6	19	45	2
695	3	1	14	3	7	0.3	6	19	45	2
697	3	1	14	3	7	0.3	6	19	45	2
698	3	1	14	3	7	0.3	6	19	45	2
715	1	0	5	0	1	0.0	3	16	36	2
728	3	1	14	3	7	0.3	6	19	45	2
729	3	1	14	3	7	0.3	6	19	45	2
730	3	1	14	3	7	0.3	6	19	45	2
731	3	1	14	3	7	0.3	6	19	45	2
732	3	1	14	3	7	0.3	6	19	45	2
733	3	1	14	3	7	0.3	6	19	45	2
735a	3	1	14	3	7	0.3	6	19	45	2
735b	3	1	14	3	7	0.3	6	19	45	2
736	3	1	14	3	7	0.3	6	19	44	2
737	3	1	14	3	7	0.3	6	19	45	2
738	3	1	14	3	7	0.3	6	19	45	2
739	3	1	14	3	7	0.3	6	19	45	2
740a	3	1	14	3	7	0.3	6	19	44	2
740b	3	1	14	3	7	0.3	6	19	44	2
740c	3	1	14	3	7	0.3	6	19	44	2
740d	3	1	14	3	7	0.3	6	19	44	2
740e	3	1	14	3	7	0.3	6	19	44	2
740f	3	1	14	3	7	0.3	6	19	44	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
741	3	1	14	3	7	0.3	6	19	45	2
742	3	1	14	3	7	0.3	6	19	45	2
743	3	1	14	3	7	0.3	6	19	45	2
744	3	1	14	3	7	0.3	6	19	44	2
745	3	1	14	3	7	0.3	6	19	44	2
746	3	1	14	3	7	0.3	6	19	44	2
747	3	1	14	3	7	0.3	6	19	44	2
748a	3	1	14	3	7	0.3	6	19	44	2
748b	2	0	9	2	4	0.1	6	16	40	2
749a	3	1	14	3	7	0.3	6	19	45	2
749b	3	1	14	3	7	0.3	6	19	45	2
750	3	1	14	3	7	0.3	6	19	45	2
751	3	1	14	3	7	0.3	6	19	45	2
752a	3	1	14	3	7	0.3	6	19	45	2
752b	3	1	14	3	7	0.3	6	19	45	2
753	3	1	15	3	7	0.3	6	20	45	2
754	3	1	15	3	7	0.3	6	20	45	2
755	3	1	15	3	7	0.3	6	20	45	2
756	3	1	15	3	7	0.3	6	20	45	2
757	3	1	15	3	7	0.3	6	20	45	2
758	3	1	15	3	7	0.3	6	20	45	2
759a	3	1	15	3	7	0.3	6	20	45	2
759b	3	1	15	3	7	0.3	6	20	45	2
760	3	1	15	3	7	0.3	6	20	45	2
761	3	1	15	4	7	0.3	6	20	45	2
762	3	1	15	4	7	0.3	6	20	46	2
763	3	1	15	4	7	0.3	6	20	46	2
764	3	1	15	4	8	0.3	6	20	46	2
765a	3	1	15	4	7	0.3	6	20	46	2
765b	3	1	16	4	8	0.3	6	20	46	2
766	3	1	15	4	7	0.3	6	20	46	2
767	3	1	15	4	7	0.3	6	20	45	2
768	3	1	15	4	7	0.3	6	20	45	2
769	3	1	15	3	7	0.3	6	20	45	2
770	3	1	15	4	8	0.3	6	20	45	2
771	3	1	15	4	8	0.3	6	20	45	2
772	3	1	15	4	8	0.3	6	20	45	2
773	3	1	15	4	8	0.3	6	20	45	2
774	3	1	15	4	7	0.3	6	20	45	2
775	3	1	15	4	7	0.3	6	20	45	2
776	3	1	15	4	8	0.3	6	20	45	2
777	3	1	15	4	8	0.3	6	20	45	2
778a	3	1	15	4	7	0.3	6	20	45	2
778b	3	1	15	4	8	0.3	6	20	45	2
779a	3	1	15	4	7	0.3	6	19	45	2
779b	3	1	15	3	7	0.3	6	19	45	2
780	3	1	15	4	8	0.3	6	20	45	2
781	3	1	15	4	8	0.3	6	20	45	2
782	3	1	15	4	8	0.3	6	20	45	2
783	3	1	15	4	8	0.3	6	20	45	2
784	3	1	14	3	7	0.3	6	19	45	2
785	3	1	14	3	7	0.3	6	19	45	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
786	3	1	14	3	7	0.3	6	19	45	2
787a	3	1	14	3	7	0.3	6	19	45	2
787b	3	1	15	3	7	0.3	6	19	45	2
788	3	1	14	3	7	0.3	6	19	45	2
789	3	1	14	3	7	0.3	6	19	45	2
790a	3	1	14	3	7	0.3	6	19	45	2
790b	3	1	14	3	7	0.3	6	19	45	2
791a	3	1	14	3	7	0.3	6	19	45	2
791b	3	1	14	3	7	0.3	6	19	45	2
792a	3	1	15	3	7	0.3	6	19	45	2
792b	3	1	14	3	7	0.3	6	19	45	2
793	3	1	14	3	7	0.3	6	19	45	2
794	3	1	14	3	7	0.3	6	19	45	2
795	3	1	15	3	7	0.3	6	19	45	2
796	3	1	15	3	7	0.3	6	19	45	2
797a	3	1	15	3	7	0.3	6	19	45	2
797b	3	1	15	3	7	0.3	6	19	45	2
798	3	1	15	3	7	0.3	6	19	45	2
801	3	1	15	3	7	0.3	6	19	45	2
802	3	1	15	3	7	0.3	6	19	45	2
803a	3	1	14	3	7	0.3	6	19	45	2
803b	3	1	14	3	7	0.3	6	19	45	2
804	3	1	14	3	7	0.3	6	19	45	2
805	3	1	14	3	7	0.3	6	19	45	2
806	3	1	13	3	6	0.3	6	19	44	2
807	3	1	13	3	6	0.3	6	19	44	2
808	3	1	13	3	6	0.2	6	19	44	2
809	3	1	13	3	6	0.2	6	19	44	2
810	3	1	13	3	6	0.2	6	19	44	2
811	3	1	13	3	6	0.2	6	19	44	2
812	3	1	13	3	7	0.2	6	19	44	2
813	3	1	13	3	6	0.2	6	18	44	2
814	3	1	13	3	6	0.2	6	18	44	2
815a	3	1	13	3	6	0.2	6	18	44	2
815b	3	1	13	3	6	0.2	6	18	44	2
816	3	1	13	3	6	0.2	6	18	44	2
817	3	1	13	3	6	0.2	6	18	44	2
819	3	1	12	3	6	0.2	6	18	43	2
820a	3	1	12	3	6	0.2	6	18	43	2
820b	3	1	12	3	6	0.2	6	18	43	2
821	3	1	12	3	6	0.2	6	18	43	2
822	3	1	12	3	6	0.2	6	18	43	2
823a	3	1	12	3	6	0.2	6	18	43	2
823b	3	1	12	3	6	0.2	6	18	43	2
824	3	1	12	3	6	0.2	6	18	43	2
825	3	1	12	3	6	0.2	6	18	43	2
826	3	1	12	3	6	0.2	6	18	43	2
827	2	1	12	3	6	0.2	6	18	43	2
828	2	1	12	3	6	0.2	6	17	43	2
829a	2	1	11	3	6	0.2	6	17	42	2
829b	2	1	12	3	6	0.2	6	17	42	2
830	2	1	11	3	6	0.2	6	17	42	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
831	2	1	11	3	6	0.2	6	17	42	2
832	2	1	11	3	6	0.2	6	17	42	2
833	2	1	11	3	6	0.2	6	17	42	2
834	2	1	11	3	6	0.2	6	17	42	2
835	2	1	11	3	5	0.2	6	17	42	2
836	2	1	11	3	5	0.2	6	17	42	2
837	2	1	11	3	5	0.2	6	17	42	2
838	2	1	11	2	5	0.2	6	17	42	2
839	2	1	11	2	5	0.2	6	17	42	2
840	2	1	11	2	5	0.2	6	17	42	2
841	2	1	11	2	5	0.2	6	17	42	2
843a	2	0	11	2	5	0.2	6	17	42	2
843b	2	0	11	2	5	0.2	6	17	42	2
844a	2	0	10	2	5	0.2	6	17	41	2
845	2	0	10	2	4	0.2	6	16	41	2
846	2	0	10	2	4	0.2	6	16	41	2
847	2	0	10	2	4	0.2	6	16	41	2
848	2	0	10	2	4	0.2	6	16	41	2
849	2	0	10	2	4	0.2	6	16	41	2
850	2	0	10	2	4	0.2	6	16	41	2
853	2	0	10	2	4	0.1	6	16	40	2
854	2	0	9	2	4	0.1	6	16	40	2
855	2	0	9	2	4	0.1	6	16	40	2
856	2	0	9	2	4	0.1	6	16	40	2
857	2	0	9	2	4	0.1	6	16	40	2
858	2	0	9	2	4	0.1	6	16	40	2
859	2	0	9	2	4	0.1	6	16	40	2
860	2	0	9	2	4	0.1	6	16	40	2
861	2	0	9	2	4	0.1	6	16	40	2
862	2	0	9	2	4	0.1	6	16	40	2
863	2	0	9	2	4	0.1	6	16	40	2
864	2	0	9	2	4	0.1	6	16	40	2
865	2	0	9	2	4	0.1	6	16	40	2
866	2	0	9	2	3	0.1	6	16	39	2
867	2	0	8	2	3	0.1	6	16	39	2
868	2	0	8	2	3	0.1	6	16	39	2
870	2	0	8	2	3	0.1	6	16	39	2
871	2	0	8	2	3	0.1	6	16	39	2
872a	2	0	8	1	3	0.1	6	16	39	2
900a	1	0	4	0	1	0.0	3	16	36	2
900b	1	0	5	0	1	0.0	3	16	36	2
901	1	0	5	1	1	0.0	3	16	36	2
902	1	0	5	1	1	0.0	3	16	36	2
903	1	0	5	1	1	0.0	3	16	36	2
904	1	0	5	0	1	0.0	3	16	36	2
905	1	0	5	0	1	0.0	3	16	36	2
906	1	0	5	0	1	0.0	3	16	36	2
907	1	0	5	0	1	0.0	3	16	36	2
908	1	0	5	0	1	0.0	3	16	36	2
909	1	0	5	0	1	0.0	3	16	36	2
911	1	0	4	0	1	0.0	3	16	36	2
912	1	0	5	0	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
913	1	0	4	0	1	0.0	3	16	36	2
914	1	0	4	0	1	0.0	3	16	36	2
915	1	0	4	0	1	0.0	3	16	36	2
916	1	0	4	0	1	0.0	3	16	36	2
917	1	0	5	0	1	0.0	3	16	36	2
918	1	0	5	0	1	0.0	3	16	36	2
919	1	0	5	0	1	0.0	3	16	36	2
920	1	0	4	0	1	0.0	3	16	36	2
921	1	0	4	0	1	0.0	3	16	36	2
922	1	0	4	0	1	0.0	3	16	36	2
924	1	0	5	0	1	0.0	3	16	36	2
925	1	0	5	0	1	0.0	3	16	36	2
926	1	0	5	0	1	0.0	3	16	36	2
927	1	0	5	0	1	0.0	3	16	36	2
928	1	0	5	0	1	0.0	3	16	36	2
929	1	0	5	1	1	0.0	3	16	36	2
930	1	0	5	0	1	0.0	3	16	36	2
931	1	0	5	0	1	0.0	3	16	36	2
932a	1	0	5	0	1	0.0	3	16	36	2
932b	1	0	5	0	1	0.0	3	16	36	2
933	1	0	5	0	1	0.0	3	16	36	2
934	1	0	5	0	1	0.0	3	16	36	2
935a	1	0	5	0	1	0.0	3	16	36	2
935b	1	0	5	0	1	0.0	3	16	36	2
936	1	0	5	0	1	0.0	3	16	36	2
937	1	0	5	0	1	0.0	3	16	36	2
938	1	0	5	0	1	0.0	3	16	36	2
939	1	0	5	0	1	0.0	3	16	36	2
940	1	0	5	0	1	0.0	3	16	36	2
941	1	0	5	0	1	0.0	3	16	36	2
942	1	0	5	0	1	0.0	3	16	36	2
943	1	0	5	0	1	0.0	3	16	36	2
944	1	0	5	0	1	0.0	3	16	36	2
945a	1	0	5	0	1	0.0	3	16	36	2
945b	1	0	5	0	1	0.0	3	16	36	2
946	1	0	5	0	1	0.0	3	16	36	2
947	1	0	5	0	1	0.0	3	16	36	2
948	1	0	5	0	1	0.0	3	16	36	2
949	1	0	5	0	1	0.0	3	16	36	2
950	1	0	5	0	1	0.0	3	16	36	2
951	1	0	5	0	1	0.0	3	16	36	2
952	1	0	5	0	1	0.0	3	16	36	2
953	1	0	5	0	1	0.0	3	16	36	2
954	1	0	5	0	1	0.0	3	16	36	2
955	1	0	5	0	1	0.0	3	16	36	2
956	1	0	5	0	1	0.0	3	16	36	2
957a	1	0	4	0	1	0.0	3	16	36	2
957b	1	0	5	0	1	0.0	3	16	36	2
958	1	0	5	0	1	0.0	3	16	36	2
959	1	0	5	0	1	0.0	3	16	36	2
960	1	0	5	0	1	0.0	3	16	36	2
961	1	0	5	0	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
962	1	0	5	0	1	0.0	3	16	36	2
963	1	0	5	0	1	0.0	3	16	36	2
964	1	0	5	0	1	0.0	3	16	36	2
965	1	0	5	0	1	0.0	3	16	36	2
966	1	0	5	0	1	0.0	3	16	36	2
967a	1	0	5	0	1	0.0	3	16	36	2
967b	1	0	5	0	1	0.0	3	16	36	2
968	1	0	5	0	1	0.0	3	16	36	2
969	1	0	5	0	1	0.0	3	16	36	2
970	1	0	5	0	1	0.0	3	16	36	2
971	1	0	5	0	1	0.0	3	16	36	2
972	1	0	5	0	1	0.0	3	16	36	2
973	1	0	5	0	1	0.0	3	16	36	2
974	1	0	5	0	1	0.0	3	16	36	2
976	1	0	5	0	1	0.0	3	16	36	2
977a	1	0	4	0	1	0.0	3	16	36	2
977b	1	0	5	0	1	0.0	3	16	36	2
978	1	0	5	0	1	0.0	3	16	36	2
979a	1	0	4	0	1	0.0	3	16	36	2
979b	1	0	5	0	1	0.0	3	16	36	2
980	1	0	5	0	1	0.0	3	16	36	2
981a	1	0	5	0	1	0.0	3	16	36	2
981b	1	0	5	0	1	0.0	3	16	36	2
982	1	0	5	0	1	0.0	3	16	36	2
983	1	0	5	0	1	0.0	3	16	36	2
984	1	0	5	0	1	0.0	3	16	36	2
985	1	0	5	0	1	0.0	3	16	36	2
986	1	0	5	0	1	0.0	3	16	36	2
987	1	0	5	0	1	0.0	3	16	36	2
988a	1	0	4	0	1	0.0	3	16	36	2
988b	1	0	4	0	1	0.0	3	16	36	2
989a	1	0	4	0	1	0.0	3	16	36	2
989b	1	0	4	0	1	0.0	3	16	36	2
990	1	0	4	0	1	0.0	3	16	36	2
991	1	0	4	0	1	0.0	3	16	36	2
992	1	0	5	0	1	0.0	3	16	36	2
993a	1	0	5	0	1	0.0	3	16	36	2
993b	1	0	5	0	1	0.0	3	16	36	2
994a	1	0	5	0	1	0.0	3	16	36	2
994b	1	0	5	0	1	0.0	3	16	36	2
995	1	0	5	0	1	0.0	3	16	36	2
997	1	0	5	0	1	0.0	3	16	36	2
998	1	0	5	0	1	0.0	3	16	36	2
999	1	0	4	0	1	0.0	3	16	36	2
1000	1	0	4	0	1	0.0	3	16	36	2
1001	1	0	4	0	1	0.0	3	16	36	2
1002	1	0	4	0	1	0.0	3	16	36	2
1003	1	0	4	0	1	0.0	3	16	36	2
1004	1	0	4	0	1	0.0	3	16	36	2
1005	1	0	4	0	1	0.0	3	16	36	2
1006	1	0	4	0	1	0.0	3	16	36	2
1007	1	0	4	0	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
1008	1	0	4	0	1	0.0	3	16	36	2
1009	1	0	4	0	1	0.0	3	16	36	2
1010	1	0	4	0	1	0.0	3	16	36	2
1011	1	0	4	0	1	0.0	3	16	36	2
1012	1	0	4	0	1	0.0	3	16	36	2
1014	1	0	4	0	1	0.0	3	16	36	2
1015	1	0	4	0	1	0.0	3	16	36	2
1016	1	0	4	0	1	0.0	3	16	36	2
1017	1	0	4	0	1	0.0	3	16	36	2
1018	1	0	4	0	1	0.0	3	16	36	2
1019	1	0	4	0	1	0.0	3	16	36	2
1020	1	0	4	0	1	0.0	3	16	36	2
1021	1	0	4	0	1	0.0	3	16	36	2
1022	1	0	4	0	1	0.0	3	16	36	2
1023	1	0	4	0	1	0.0	3	16	36	2
1024	1	0	4	0	1	0.0	3	16	36	2
1025	1	0	4	0	1	0.0	3	16	36	2
1026	1	0	4	0	1	0.0	3	16	36	2
1027	1	0	4	0	1	0.0	3	16	36	2
1028	1	0	4	0	1	0.0	3	16	36	2
1029	1	0	4	0	1	0.0	3	16	36	2
1030	1	0	4	0	1	0.0	3	16	36	2
1031	1	0	4	0	1	0.0	3	16	36	2
1032	1	0	4	0	1	0.0	3	16	36	2
1033	1	0	4	0	1	0.0	3	16	36	2
1034	1	0	4	0	1	0.0	3	16	36	2
1035	1	0	4	0	1	0.0	3	16	36	2
1036a	1	0	4	0	1	0.0	3	16	36	2
1036b	1	0	4	0	1	0.0	3	16	36	2
1037	1	0	4	0	1	0.0	3	16	36	2
1038	1	0	4	0	1	0.0	3	16	36	2
1039	1	0	4	0	1	0.0	3	16	36	2
1040	1	0	4	0	1	0.0	3	16	36	2
1041	1	0	5	0	1	0.0	3	16	36	2
1042	1	0	5	0	1	0.0	3	16	36	2
1043	1	0	5	0	1	0.0	3	16	36	2
1044	1	0	5	0	1	0.0	3	16	36	2
1045	1	0	5	0	1	0.0	3	16	36	2
1046	1	0	4	0	1	0.0	3	16	36	2
1077	1	0	5	0	1	0.0	3	16	36	2
1078	1	0	5	0	1	0.0	3	16	36	2
1079	1	0	5	0	1	0.0	3	16	36	2
1080	1	0	5	0	1	0.0	3	16	36	2
1081	1	0	5	0	1	0.0	3	16	36	2
1082a	1	0	5	0	1	0.0	3	16	36	2
1082b	1	0	5	0	1	0.0	3	16	36	2
1100a	0	0	1	0	0	0.0	3	8	38	2
1100b	0	0	1	0	0	0.0	3	8	38	2
Mine-owned receptors										
23	6	2	28	7	15	0.3	5	20	59	2
68	5	1	23	5	12	0.3	4	20	50	2
80a	4	1	17	4	9	0.3	7	20	47	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
135	7	1	34	7	18	0.5	5	15	54	2
135b	7	2	35	7	18	0.5	5	16	55	2
139	4	1	16	3	6	0.2	4	12	42	2
158	10	1	44	6	15	0.3	4	14	51	2
231	4	1	18	4	9	0.3	7	20	47	2
263	2	0	10	1	1	0.0	3	10	43	2
1p	7	2	32	8	18	0.4	5	18	55	2
1z	9	1	41	5	11	0.2	4	12	47	2
1ab	11	1	**50**	6	14	0.3	4	13	50	2
1ac	6	1	28	7	15	0.3	5	20	58	2
1ad	1	0	7	1	3	0.2	3	12	41	2
1ae	8	2	36	10	21	0.5	6	21	62	3
1af	6	1	28	7	14	0.4	5	20	53	2
1ag	6	1	27	6	13	0.4	5	20	52	2
1ah	5	1	23	6	12	0.3	4	20	50	2
1ai	5	1	23	6	12	0.3	4	20	50	2
1aj	5	1	23	6	12	0.3	4	20	50	2
1ak	5	1	23	6	12	0.3	4	20	50	2
1al	5	1	22	6	12	0.3	4	20	50	2
1am	5	1	21	6	12	0.3	4	20	50	2
1ar	5	1	24	7	14	0.4	5	19	52	2
1as	5	1	24	7	14	0.4	5	19	52	2
1aw	6	2	27	7	17	0.4	5	19	54	2
1ax	6	2	27	7	16	0.4	5	19	53	2
1bb	6	1	29	7	15	0.4	5	20	54	2
1bc	6	2	27	7	16	0.4	5	19	54	2
1bd	1	0	5	1	2	0.1	3	12	42	2
1bf	12	2	**60**	12	32	0.8	5	18	68	3
1bg	11	2	**53**	10	26	0.7	5	16	62	3
2i	6	2	30	7	15	0.4	5	20	54	2
246	1	0	6	1	1	0.0	4	18	56	2
246b	1	0	6	1	1	0.0	4	18	55	2
2b	17	4	**77**	19	43	0.8	8	**32**	**91**	3
2d	3	1	15	4	8	0.2	4	20	47	2
2e	10	3	48	13	28	0.7	6	23	70	3
2f	21	5	**94**	24	54	1.2	**9**	**34**	**98**	3
2n	1	0	6	1	1	0.0	4	21	60	2
2o	1	0	5	1	1	0.0	4	18	52	2
2p	1	0	5	1	1	0.0	4	17	51	2
2r	1	0	5	1	1	0.0	4	18	52	2
2s	1	0	5	1	1	0.0	4	18	52	2
2w	1	0	6	1	1	0.0	4	12	44	2
2x	6	2	29	7	16	0.3	6	21	65	2
2y	6	2	30	7	16	0.3	6	21	66	3
2z	6	2	30	7	16	0.3	6	20	65	2
2aa	7	2	32	8	17	0.3	6	21	66	3
2ab	6	2	30	7	16	0.3	5	20	65	2
2ad	7	2	30	8	17	0.3	5	20	64	2
2af	6	2	29	7	16	0.3	5	20	63	2
2ai	12	3	**56**	13	28	0.5	7	**28**	81	3
2aj	7	2	32	8	18	0.3	5	21	62	2
2al	18	4	**81**	19	44	0.8	**8**	**33**	**93**	3

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
2am	6	2	29	7	16	0.3	5	20	63	2
2an	1	0	5	1	1	0.0	4	17	50	2
2ao	1	0	5	1	1	0.0	4	17	51	2
7	5	1	26	6	14	0.2	5	19	63	2
211	4	1	16	4	9	0.2	7	16	54	2
299	1	0	3	0	1	0.0	3	9	41	2
487b	1	0	4	0	1	0.0	4	11	45	2
5f	6	1	26	6	14	0.2	5	20	64	2
5g	6	1	28	7	15	0.3	5	20	65	2
5i	1	0	3	0	1	0.0	3	9	41	2
5j	0	0	2	0	0	0.0	3	8	39	2
5k	1	0	3	0	1	0.0	3	9	42	2
5l	1	0	3	0	1	0.0	3	10	43	2
5m	1	0	6	1	1	0.0	4	14	52	2
5p	1	0	5	1	1	0.0	4	14	53	2
5r	3	0	13	2	4	0.1	6	**42**	**93**	2
5t	3	1	14	3	6	0.1	6	**31**	78	2
5v	1	0	4	0	1	0.0	3	9	40	2
5x	1	0	4	0	1	0.0	3	9	40	2
5y	3	1	14	3	7	0.1	5	14	55	2
5z	3	1	14	3	7	0.1	5	13	54	2
5aa	3	1	14	3	7	0.1	5	14	55	2
5ab	2	1	10	3	6	0.1	4	12	51	2
5ad	2	1	11	3	6	0.1	4	12	51	2
5af	2	1	10	3	6	0.1	4	12	51	2
5ag	1	0	2	0	0	0.0	3	7	39	2
5ah	1	0	2	0	0	0.0	3	8	39	2
5ai	1	0	3	0	0	0.0	3	8	40	2
5aj	1	0	4	0	1	0.0	3	9	43	2
5ak	1	0	4	0	1	0.0	3	9	43	2
5al	1	0	2	0	0	0.0	3	9	40	2
5am	2	0	8	1	2	0.0	5	**27**	72	2
3a	2	0	8	1	2	0.0	3	12	37	2
3b	2	0	8	1	2	0.0	3	12	37	2
3c	8	1	38	4	10	0.2	4	13	46	2
3d	2	0	8	1	2	0.0	3	12	37	2
3e	2	0	7	1	2	0.0	3	12	37	2
3f	1	0	7	1	1	0.0	3	13	37	2
3g	6	1	27	4	8	0.1	4	14	44	2
3i	2	0	11	1	2	0.0	3	13	38	2
3j	1	0	6	1	1	0.0	3	14	37	2
3k	4	1	19	3	8	0.2	4	14	43	2
3m	5	1	21	5	10	0.3	4	14	46	2
3n	3	0	14	2	3	0.1	3	14	39	2
3o	3	1	16	4	8	0.3	4	14	43	2
3p	3	1	15	4	8	0.3	4	14	44	2
3r	2	0	9	2	4	0.1	3	14	40	2
3s	2	0	9	2	5	0.1	3	14	40	2
3t	4	1	20	3	8	0.2	4	14	43	2
3u	4	1	20	3	7	0.1	4	14	43	2
3v	9	2	44	9	21	0.4	5	17	57	2
274	0	0	2	0	1	0.0	4	14	43	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
416	0	0	2	0	1	0.0	3	13	41	2
463	0	0	1	0	0	0.0	3	9	37	2
7b	0	0	1	0	0	0.0	3	7	38	2
7c	0	0	1	0	0	0.0	3	7	38	2
7d	1	0	3	0	0	0.0	3	7	38	2
7e	0	0	1	0	0	0.0	3	7	38	2
7f	0	0	1	0	0	0.0	3	8	38	2
7g	0	0	1	0	0	0.0	3	11	41	2
7h	0	0	2	0	1	0.0	4	13	43	2
7i	0	0	2	0	1	0.0	3	13	42	2
7j	0	0	2	0	1	0.0	4	14	44	2
7k	1	0	3	1	1	0.0	3	14	42	2
7l	0	0	1	0	0	0.0	3	7	38	2
7m	0	0	2	0	1	0.0	4	13	44	2
7n	1	0	3	1	1	0.0	3	9	37	2
7o	1	0	3	0	1	0.0	3	8	36	2
8b	0	0	1	0	0	0.0	3	8	38	2
8c	0	0	1	0	0	0.0	3	8	38	2
8e	0	0	2	0	0	0.0	3	7	39	2
8f	0	0	2	0	0	0.0	3	7	38	2
8h	0	0	1	0	0	0.0	3	7	38	2
8i	0	0	1	0	0	0.0	3	8	38	2
8j	0	0	1	0	0	0.0	3	8	38	2
8k	0	0	2	0	0	0.0	3	7	39	2
8l	0	0	1	0	0	0.0	3	7	38	2
8m	0	0	1	0	0	0.0	3	7	38	2
8n	0	0	1	0	0	0.0	3	8	38	2
8o	0	0	2	0	0	0.0	3	6	39	2
8p	0	0	2	0	0	0.0	3	6	38	2
Mal1	1	0	3	1	1	0.0	6	14	46	2
Mal2	1	0	3	0	1	0.0	4	10	40	2
Mal3	1	0	3	1	1	0.0	5	11	42	2
Council/ State-owned receptors										
286e	1	0	2	0	1	0.0	4	10	39	2
286f	1	0	2	0	1	0.0	3	9	38	2
N1	1	0	4	0	1	0.0	3	16	36	2
N2	1	0	4	0	1	0.0	3	16	36	2
N3	1	0	4	0	1	0.0	3	16	36	2
N4	1	0	4	0	1	0.0	3	16	36	2
N5	1	0	4	0	1	0.0	3	16	36	2
N6	1	0	4	0	1	0.0	3	16	36	2
N7	1	0	4	0	1	0.0	3	16	36	2
N8	1	0	4	0	1	0.0	3	16	36	2
N9	1	0	4	0	1	0.0	3	16	36	2
N10	1	0	4	0	1	0.0	3	16	36	2
N11	1	0	4	0	1	0.0	3	16	36	2
N12	1	0	5	0	1	0.0	3	16	36	2
N13	1	0	5	0	1	0.0	3	16	36	2
N14	1	0	5	0	1	0.0	3	16	36	2
N15	1	0	5	0	1	0.0	3	16	36	2
N16	1	0	5	0	1	0.0	3	16	36	2
N17	1	0	5	0	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
N18	1	0	5	0	1	0.0	3	16	36	2
N19	1	0	5	0	1	0.0	3	16	36	2
N20	1	0	5	0	1	0.0	3	16	36	2
N21	1	0	5	0	1	0.0	3	16	36	2
N22	1	0	3	1	1	0.0	3	12	37	2
N23	1	0	3	1	1	0.0	3	11	37	2
N24	1	0	3	1	1	0.0	3	11	37	2
N25	1	0	3	0	1	0.0	3	11	36	2
N26	1	0	3	0	1	0.0	3	11	36	2
N27	1	0	3	0	1	0.0	3	11	36	2
N28	2	0	8	1	3	0.1	6	16	39	2
Aged care receptors										
658a	3	1	13	3	7	0.3	6	20	45	2
658b	3	1	13	3	7	0.3	6	20	45	2
658c	3	1	13	3	7	0.3	6	20	45	2
658d	3	1	13	3	7	0.3	6	20	45	2
658e	3	1	13	3	7	0.3	6	20	45	2
Prison receptors										
MP1	1	0	3	0	1	0.0	3	11	36	2
MP42	1	0	3	0	1	0.0	3	11	36	2
MP80	1	0	3	0	1	0.0	3	10	36	2
Commercial accommodation receptors										
622b	3	1	14	3	7	0.2	6	20	46	2
622c	3	1	14	3	7	0.2	6	20	46	2
622d	3	1	14	3	7	0.2	6	20	46	2
622e	3	1	14	3	7	0.2	6	20	46	2
622f	3	1	14	3	7	0.2	6	20	46	2
622g	3	1	14	3	7	0.2	6	20	46	2
622h	3	1	14	3	7	0.2	6	20	46	2
622i	3	1	14	3	7	0.2	6	20	46	2
622j	3	1	14	3	7	0.2	6	20	46	2
622k	3	1	14	3	7	0.2	6	20	46	2
622l	3	1	14	3	7	0.2	6	20	46	2
622m	3	1	14	3	7	0.2	6	20	46	2
622n	3	1	14	3	7	0.2	6	20	46	2
622o	3	1	14	3	7	0.2	6	20	46	2
622p	3	1	14	3	7	0.2	6	20	46	2
622q	3	1	14	3	7	0.2	6	20	46	2
622r	3	1	14	3	7	0.2	6	20	46	2
622s	3	1	14	3	7	0.2	6	20	46	2
622t	3	1	14	3	7	0.2	6	20	46	2
622u	3	1	14	3	7	0.2	7	20	46	2
622v	3	1	14	3	7	0.2	7	20	46	2
622w	3	1	14	3	7	0.2	6	20	46	2
622x	3	1	14	3	7	0.2	6	20	46	2
622y	3	1	14	3	7	0.2	6	20	46	2
622z	3	1	14	3	7	0.2	6	20	46	2
622aa	3	1	14	3	7	0.2	6	20	46	2
622ab	3	1	14	3	7	0.2	6	20	46	2
622ac	3	1	14	3	7	0.2	7	20	46	2
622ad	3	1	14	3	7	0.2	6	20	46	2
622ae	3	1	14	3	7	0.2	6	20	46	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
622af	3	1	14	3	7	0.2	6	20	46	2
622ag	3	1	14	3	7	0.2	6	20	46	2
975	1	0	5	0	1	0.0	3	16	36	2
Commercial receptors										
6	5	1	25	6	13	0.2	5	19	62	2
195e	2	0	9	1	2	0.1	3	13	38	2
140b-1	2	0	9	2	3	0.1	3	16	40	2
140b-2	2	0	9	2	3	0.1	3	16	40	2
140b-3	2	0	9	2	3	0.1	3	16	40	2
140b-4	2	0	9	2	3	0.1	3	16	40	2
202c	3	0	12	2	4	0.1	3	16	41	2
202d	3	0	13	2	5	0.1	3	16	41	2
202e	3	0	12	2	5	0.1	3	16	41	2
202f	3	0	12	2	4	0.1	3	16	41	2
202g	3	0	12	2	4	0.1	3	16	41	2
472d	0	0	2	0	0	0.0	3	8	39	2
472e	0	0	2	0	0	0.0	3	8	39	2
472f	0	0	2	0	0	0.0	3	8	39	2
472g	0	0	2	0	0	0.0	3	9	39	2
472h	0	0	2	0	0	0.0	3	9	39	2
472i	0	0	2	0	0	0.0	3	8	39	2
472j	0	0	2	0	0	0.0	3	8	39	2
472k	0	0	2	0	0	0.0	3	8	39	2
472l	0	0	2	0	0	0.0	3	9	39	2
472m	0	0	2	0	0	0.0	3	9	39	2
489	4	1	18	4	7	0.1	7	**53**	**110**	3
540	3	1	16	4	8	0.2	4	21	47	2
546a	4	1	18	4	9	0.2	4	20	49	2
546b	4	1	17	4	8	0.2	4	20	49	2
546c	4	1	17	4	8	0.2	4	20	48	2
617b	3	1	14	3	7	0.2	4	20	46	2
617c	3	1	14	3	7	0.2	4	20	46	2
617d	3	1	14	3	7	0.2	4	20	46	2
617e	3	1	14	3	7	0.2	4	20	46	2
617f	3	1	14	3	7	0.2	4	20	46	2
617g	3	1	14	3	7	0.2	4	20	46	2
617h	3	1	14	3	7	0.2	4	20	46	2
617i	3	1	14	3	7	0.2	4	20	46	2
620	3	1	14	3	7	0.2	4	20	46	2
622ah	3	1	14	3	7	0.2	4	20	46	2
622ai	3	1	14	3	7	0.2	4	20	46	2
611aj	3	1	14	3	7	0.2	4	20	46	2
622ak	3	1	14	3	7	0.2	4	20	46	2
625	3	1	13	3	7	0.2	4	20	46	2
629	3	1	13	3	7	0.2	4	20	45	2
626	3	1	13	3	7	0.2	4	20	46	2
627	3	1	13	3	7	0.2	4	20	46	2
628	3	1	13	3	7	0.2	4	20	46	2
630a	3	1	13	3	6	0.2	6	20	45	2
630b	3	1	13	3	6	0.2	4	20	45	2
630c	3	1	13	3	6	0.2	4	20	45	2
630d	3	1	13	3	6	0.2	4	20	45	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
656	3	1	13	3	7	0.3	4	20	45	2
674a	3	1	15	3	7	0.3	4	20	46	2
674b	3	1	15	4	7	0.3	4	20	46	2
818a	3	1	12	3	6	0.2	4	18	43	2
818b	3	1	12	3	6	0.2	4	18	43	2
844b	2	0	10	2	5	0.2	4	17	41	2
872b	2	0	8	1	3	0.1	3	16	39	2
1085	1	0	5	0	1	0.0	3	16	36	2
2ap	1	0	5	1	1	0.0	4	18	53	2
2aq	1	0	5	1	1	0.0	4	18	51	2
2ar	1	0	5	1	1	0.0	4	18	51	2
5h	1	0	2	0	0	0.0	3	8	39	2
5w	1	0	4	0	1	0.0	3	9	40	2
5an	1	0	2	0	0	0.0	3	8	39	2
5ao	1	0	2	0	0	0.0	3	8	39	2
5ap	1	0	4	0	1	0.0	3	9	40	2
8q	0	0	1	0	0	0.0	3	8	38	2
Mal4	1	0	3	0	1	0.0	**16**	**31**	73	2
Mal5	1	0	3	0	1	0.0	**15**	**29**	69	2
Mal6	1	0	3	0	1	0.0	**16**	**31**	72	2
UHSC2	1	0	5	1	1	0.0	3	16	36	2
UHSC3	1	0	5	1	1	0.0	3	16	36	2
UHSC4	1	0	5	1	1	0.0	3	16	36	2
N29	1	0	4	1	1	0.0	3	12	37	2
School receptors										
N30	3	1	14	3	7	0.3	4	20	46	2
N31	3	1	14	3	7	0.3	4	20	46	2
N32	3	1	14	3	7	0.3	4	20	46	2
N33	3	1	14	3	7	0.3	4	20	46	2
Church receptors										
520	1	0	6	1	2	0.1	3	14	38	2
658b	3	1	13	3	7	0.3	6	20	45	2
658c	3	1	13	3	7	0.3	6	20	45	2
616c	3	1	14	3	7	0.2	4	20	46	2
N34	1	0	3	0	1	0.0	3	11	36	2
Heritage receptors										
H1	0	0	1	0	0	0.0	3	8	38	2
H2	3	1	13	3	7	0.3	4	20	45	2
H3	8	2	36	9	20	0.3	6	22	69	3
H4	10	2	48	11	24	0.4	7	**29**	82	3
H5	10	2	48	11	23	0.4	7	**29**	81	3
H6	10	2	47	11	23	0.4	7	**29**	82	3
H7	10	2	49	11	24	0.4	7	**30**	82	3
H8	10	2	50	11	24	0.4	7	**30**	83	3
H9	11	2	**52**	11	25	0.4	7	**30**	84	3
H10	17	4	**77**	19	43	0.8	8	**32**	**91**	3
H11	4	1	17	4	8	0.1	5	15	56	2
H12	3	1	14	2	5	0.1	6	**43**	**94**	3
H13	3	1	14	3	5	0.1	6	**43**	**94**	3
H14	3	1	14	3	5	0.1	6	**43**	**94**	3
H15	3	1	14	3	5	0.1	6	**42**	**92**	3
H16	3	1	14	3	5	0.1	6	**41**	**91**	3

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
H17	3	1	14	3	5	0.1	6	**40**	**90**	2
H18	3	1	14	3	5	0.1	6	**39**	89	2
H19	1	0	3	0	1	0.0	3	12	36	2

Table D-3: Modelling predictions for Scenario 3

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
Privately-owned receptors										
4	3	1	14	4	8	0.1	5	13	54	2
19	5	1	26	6	14	0.3	7	19	58	2
20	5	1	28	7	16	0.3	5	19	61	2
21	6	1	29	7	16	0.3	5	20	62	2
35	4	1	23	5	11	0.3	7	20	50	2
35b	4	1	23	5	11	0.3	7	20	50	2
43	2	0	10	1	2	0.0	7	**43**	**95**	4
43b	1	0	5	1	1	0.0	4	14	50	2
45	1	0	4	1	1	0.0	4	12	46	2
45b	1	0	5	1	1	0.0	4	12	47	2
45c	1	0	5	1	1	0.0	4	12	47	2
47	1	0	3	1	1	0.0	4	19	57	3
67	5	1	26	6	13	0.4	4	20	51	2
74	5	1	25	6	12	0.3	4	20	50	2
77	4	1	22	5	10	0.3	7	20	48	2
79	4	1	19	4	9	0.3	6	20	46	2
82	3	1	15	3	7	0.3	6	19	44	2
83	3	1	16	3	7	0.3	6	19	44	2
84a	3	1	17	4	8	0.3	6	19	45	2
84b	1	0	4	1	2	0.1	3	12	41	2
86a	4	1	21	5	11	0.3	4	20	48	2
86b	2	0	12	2	4	0.1	3	15	40	2
96	5	1	27	7	15	0.4	4	19	53	2
102	6	1	29	8	16	0.4	5	19	54	2
108	6	2	32	8	18	0.5	5	19	55	2
112	7	2	35	9	19	0.5	5	19	57	2
118	7	2	36	9	19	0.5	5	19	57	2
120	7	2	36	9	19	0.5	5	19	56	2
120c	7	2	37	9	19	0.5	5	19	57	2
121	8	2	39	9	20	0.5	5	19	57	2
136	6	1	29	5	12	0.3	4	15	48	2
140a	3	0	14	2	5	0.1	3	13	41	2
140c	3	1	17	3	7	0.2	4	16	43	2
143a	5	1	24	3	6	0.1	4	11	41	2
143b	11	1	**56**	6	12	0.2	4	14	48	2
147	13	1	**67**	6	14	0.2	4	13	50	2
153a	3	1	18	4	9	0.4	4	11	46	2
154	9	2	46	9	21	0.4	5	17	56	2
154b	8	2	45	9	20	0.4	5	17	56	2
156a	13	2	**69**	9	21	0.4	5	17	57	2
156b	0	0	2	0	0	0.0	3	8	39	2
157a	14	2	**74**	8	20	0.3	5	16	56	2
157b	0	0	2	0	0	0.0	3	7	37	2
159	12	1	**64**	6	15	0.2	4	14	50	2
169	4	1	20	4	8	0.2	4	14	44	2
171	3	1	16	3	6	0.1	3	14	41	2
172	2	0	13	2	4	0.1	3	14	40	2
172b	2	0	12	2	4	0.1	3	14	40	2
172c	2	0	9	1	3	0.0	3	15	38	2
310	2	0	12	2	4	0.1	3	14	40	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
173	2	0	11	2	4	0.1	3	14	39	2
174	2	0	11	2	4	0.1	3	14	40	2
175	2	0	11	2	4	0.1	3	14	40	2
175b	2	0	12	2	4	0.1	3	14	40	2
175c	2	0	11	2	4	0.1	3	14	40	2
176	2	0	11	2	4	0.1	3	14	40	2
177	2	0	11	2	4	0.1	3	14	39	2
178	2	0	7	1	2	0.0	3	15	38	2
179	2	0	8	1	2	0.0	3	15	38	2
180	1	0	7	1	2	0.0	3	15	38	2
180b	1	0	7	1	2	0.0	3	15	37	2
180c	1	0	5	1	1	0.0	3	15	37	2
181	1	0	6	1	1	0.0	3	16	36	2
181c	2	0	9	1	2	0.0	3	15	37	2
182	1	0	6	0	1	0.0	3	16	36	2
189	2	0	9	1	2	0.0	3	12	38	2
190	2	0	9	1	2	0.0	3	12	38	2
191	1	0	8	1	2	0.0	3	12	37	2
192	2	0	9	1	2	0.0	3	12	38	2
193	1	0	8	1	2	0.0	3	12	37	2
193c	1	0	8	1	1	0.0	3	12	37	2
194	2	0	9	1	2	0.0	3	13	38	2
195	1	0	8	1	2	0.1	3	13	38	2
197	2	0	9	1	3	0.1	3	14	39	2
196	2	0	9	1	3	0.1	3	14	38	2
195d	2	0	9	1	3	0.1	3	14	39	2
198	2	0	11	2	3	0.1	3	15	39	2
198b	2	0	11	2	4	0.1	3	15	40	2
199	2	0	10	2	3	0.1	3	15	39	2
200	2	0	9	1	3	0.1	3	15	39	2
202	3	0	14	3	5	0.2	4	16	42	2
202b	2	0	11	2	4	0.1	3	16	40	2
203	3	1	15	3	6	0.2	4	16	42	2
203b	3	1	15	3	6	0.2	4	16	42	2
203c	3	1	15	3	6	0.2	4	16	42	2
206	4	1	22	5	10	0.2	7	19	52	2
207	5	1	25	6	12	0.2	7	19	56	2
212	4	1	19	5	10	0.2	7	17	54	2
212b	4	1	19	5	10	0.2	7	17	54	2
213	4	1	23	6	13	0.2	7	18	57	2
214	4	1	23	6	13	0.2	7	18	57	2
215	4	1	23	6	13	0.2	7	18	57	2
216	5	1	24	6	13	0.2	7	18	57	2
216b	4	1	23	6	13	0.2	7	18	57	2
217	5	1	24	6	13	0.2	7	18	57	2
218	4	1	23	6	13	0.2	7	18	58	2
219	4	1	24	6	13	0.2	7	18	58	2
220	5	1	24	6	13	0.2	7	18	58	2
221	5	1	25	6	13	0.3	7	18	58	2
222	5	1	25	6	13	0.3	7	18	58	2
223	5	1	25	6	13	0.3	7	18	58	2
223b	5	1	25	6	13	0.3	7	18	58	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
224	5	1	25	6	14	0.3	7	18	58	2
225	5	1	24	6	13	0.2	7	18	57	2
249	1	0	3	0	1	0.0	3	11	41	2
252	1	0	4	0	0	0.0	3	7	38	2
257	1	0	8	1	1	0.0	4	12	43	2
258a	2	0	9	1	1	0.0	3	10	42	2
258c	2	0	9	1	1	0.0	3	10	41	2
259	2	0	8	1	1	0.0	3	10	41	2
259b	2	0	8	0	1	0.0	3	9	41	2
260	1	0	7	1	1	0.0	3	10	42	2
260a	1	0	7	1	1	0.0	3	10	42	2
260b	1	0	7	1	1	0.0	3	10	42	2
261	1	0	6	0	1	0.0	3	10	40	2
261b	1	0	6	0	1	0.0	3	10	40	2
271	0	0	2	0	1	0.0	4	14	44	2
272b	1	0	4	1	2	0.1	4	14	47	2
272	1	0	4	1	2	0.1	4	14	47	2
273	1	0	3	1	1	0.0	4	14	43	2
273b	0	0	3	1	1	0.0	4	14	44	2
288	3	1	17	4	8	0.2	7	20	48	2
288b	3	1	17	4	8	0.2	7	20	48	2
289	4	1	20	5	9	0.3	7	20	48	2
292	1	0	3	0	1	0.0	3	9	39	2
292b	1	0	2	0	1	0.0	3	9	39	2
300	1	0	3	0	1	0.0	3	9	41	2
298	1	0	3	0	1	0.0	3	9	41	2
296a	1	0	4	0	1	0.0	3	10	42	2
296b	1	0	4	0	1	0.0	3	10	42	2
302a	1	0	3	0	1	0.0	3	8	39	2
302c	1	0	3	0	1	0.0	3	8	39	2
401	1	0	3	1	1	0.1	3	13	40	2
402	1	0	4	1	2	0.1	3	13	40	2
404	1	0	4	1	2	0.1	3	13	41	2
407	1	0	4	1	2	0.1	3	12	40	2
413b	1	0	3	1	1	0.0	3	14	41	2
415	0	0	3	1	1	0.0	3	14	42	2
417	0	0	2	0	1	0.0	3	14	42	2
418	0	0	2	0	1	0.0	3	14	42	2
418b	0	0	2	0	1	0.0	3	14	42	2
419	1	0	3	1	1	0.0	3	14	42	2
421	1	0	3	1	1	0.0	4	14	43	2
422a	2	0	9	2	5	0.1	3	14	40	2
436	1	0	5	1	1	0.0	3	15	36	2
437	1	0	5	1	1	0.0	3	15	36	2
441	1	0	5	0	1	0.0	3	16	36	2
442	0	0	2	0	0	0.0	3	14	35	2
443	1	0	6	0	1	0.0	3	16	36	2
451	1	0	5	0	1	0.0	3	12	36	2
452	1	0	5	1	2	0.1	3	13	37	2
453a	0	0	2	0	1	0.0	3	14	43	2
453b	0	0	2	0	1	0.0	3	14	43	2
454	0	0	2	0	1	0.0	3	13	42	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
455	0	0	2	0	0	0.0	3	12	39	2
456	0	0	2	0	0	0.0	3	12	40	2
456b	0	0	2	0	0	0.0	3	12	40	2
458	0	0	2	0	1	0.0	3	12	42	2
460	0	0	1	0	0	0.0	3	9	37	2
460b	0	0	1	0	0	0.0	3	9	37	2
461	0	0	1	0	0	0.0	3	8	37	2
462a	0	0	1	0	0	0.0	3	8	37	2
462b	0	0	1	0	0	0.0	3	8	37	2
462c	0	0	1	0	0	0.0	3	8	37	2
464	0	0	2	0	0	0.0	3	7	38	2
464b	0	0	2	0	0	0.0	3	7	38	2
465	0	0	2	0	0	0.0	3	7	37	2
466	1	0	3	0	0	0.0	3	7	37	2
467	1	0	3	0	1	0.0	3	8	40	2
467b	1	0	3	0	1	0.0	3	8	40	2
468a	0	0	2	0	0	0.0	3	7	37	2
468b	0	0	2	0	0	0.0	3	6	37	2
468c	0	0	2	0	0	0.0	3	7	37	2
468d	0	0	2	0	0	0.0	3	7	37	2
470	1	0	2	0	0	0.0	3	8	38	2
471	1	0	2	0	0	0.0	3	8	38	2
472a	1	0	2	0	0	0.0	3	8	38	2
472b	1	0	2	0	0	0.0	3	8	38	2
472c	1	0	2	0	0	0.0	3	7	38	2
474	0	0	2	0	0	0.0	3	7	37	2
475	1	0	3	0	1	0.0	3	8	39	2
475b	1	0	3	0	1	0.0	3	8	39	2
476	0	0	2	0	0	0.0	3	7	37	2
477a	1	0	2	0	0	0.0	3	8	38	2
477b	1	0	2	0	0	0.0	3	8	38	2
481	0	0	2	0	0	0.0	3	7	37	2
483	0	0	1	0	0	0.0	3	7	36	2
484	0	0	2	0	0	0.0	3	8	37	2
485a	0	0	1	0	0	0.0	3	8	36	2
485b	0	0	1	0	0	0.0	3	8	36	2
485c	0	0	1	0	0	0.0	3	8	36	2
485d	0	0	1	0	0	0.0	3	8	36	2
485e	0	0	1	0	0	0.0	3	8	36	2
485f	0	0	1	0	0	0.0	3	8	36	2
487	1	0	4	1	1	0.0	4	10	44	2
488a	1	0	5	1	1	0.0	4	10	46	2
488b	1	0	5	1	1	0.0	4	13	49	2
515a	1	0	3	0	1	0.0	3	13	36	2
515b	0	0	2	0	0	0.0	3	13	36	2
516	0	0	2	0	0	0.0	3	13	36	2
517	1	0	3	0	0	0.0	3	12	36	2
518	0	0	2	0	1	0.0	3	11	36	2
519	0	0	3	0	0	0.0	3	13	36	2
522a	1	0	5	1	2	0.1	3	13	38	2
522b	3	1	14	3	6	0.2	6	18	43	2
522c	3	1	14	3	6	0.2	6	18	43	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
522d	3	1	14	3	6	0.2	6	18	43	2
526	4	1	20	4	9	0.3	6	20	47	2
527	3	1	17	4	8	0.3	6	20	46	2
528	3	1	17	4	8	0.3	6	20	46	2
529	3	1	17	4	8	0.3	6	20	46	2
530	3	1	17	4	8	0.3	6	20	46	2
531	3	1	17	4	8	0.3	6	20	46	2
531b	3	1	17	4	8	0.3	6	20	46	2
532	3	1	16	4	8	0.3	6	20	46	2
533	3	1	16	4	8	0.3	6	20	46	2
534	3	1	16	4	8	0.3	6	20	46	2
535	3	1	16	4	8	0.3	6	20	46	2
536	3	1	16	4	8	0.3	6	20	46	2
537	3	1	16	4	8	0.3	6	20	46	2
538	3	1	17	4	8	0.2	7	20	47	2
539	3	1	17	4	8	0.2	7	20	47	2
541	3	1	16	4	8	0.2	7	20	47	2
542	3	1	17	4	8	0.2	7	20	47	2
543	3	1	17	4	8	0.2	7	20	47	2
543b	3	1	17	4	8	0.2	7	20	48	2
544	3	1	17	4	8	0.2	7	20	47	2
545	3	1	17	4	8	0.2	7	20	48	2
547	2	0	9	1	2	0.0	3	13	38	2
549	1	0	3	0	1	0.0	4	10	39	2
550	1	0	3	1	1	0.0	4	11	41	2
552	1	0	3	1	1	0.0	3	10	38	2
553	1	0	3	1	1	0.0	6	13	45	2
554	1	0	3	1	1	0.0	4	10	39	2
557	1	0	3	1	1	0.0	5	12	42	2
559	1	0	3	0	1	0.0	4	11	41	2
560	1	0	3	0	1	0.0	4	11	41	2
561	1	0	3	1	1	0.0	4	10	40	2
562	1	0	3	0	1	0.0	4	10	40	2
563	1	0	3	0	1	0.0	4	10	39	2
564	1	0	3	0	1	0.0	4	10	39	2
565	1	0	3	1	1	0.0	4	10	39	2
566	1	0	2	0	1	0.0	4	9	39	2
569	0	0	2	1	1	0.0	3	9	38	2
570	1	0	3	1	1	0.0	3	9	38	2
571	1	0	3	1	1	0.0	3	9	38	2
572	1	0	3	1	1	0.0	3	9	38	2
573	1	0	3	1	1	0.0	3	9	38	2
574	1	0	3	1	1	0.0	3	9	38	2
575	1	0	3	1	1	0.0	3	9	38	2
576	1	0	3	1	1	0.0	3	9	38	2
577a	1	0	4	1	1	0.0	3	10	38	2
577b	1	0	4	1	1	0.0	3	9	38	2
578	1	0	4	1	1	0.0	3	9	38	2
583	0	0	2	0	1	0.0	3	10	36	2
586	0	0	2	0	0	0.0	3	13	36	2
587a	0	0	2	0	0	0.0	3	14	35	2
587b	0	0	2	0	0	0.0	3	14	35	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
588	0	0	2	0	0	0.0	3	13	35	2
600a	3	1	16	4	8	0.2	7	21	47	2
600b	3	1	16	4	8	0.2	7	20	47	2
601	3	1	16	4	8	0.2	7	21	47	2
602	3	1	16	4	8	0.2	7	21	47	2
603	3	1	16	4	8	0.2	7	21	47	2
604	3	1	16	4	7	0.2	7	21	47	2
605	3	1	16	4	7	0.2	7	21	47	2
606	3	1	16	4	7	0.2	7	21	47	2
607	3	1	16	4	7	0.2	6	20	47	2
608	3	1	16	4	7	0.2	6	20	47	2
609	3	1	16	4	7	0.2	6	20	47	2
610	3	1	15	4	7	0.2	6	20	46	2
611	3	1	15	4	7	0.2	6	20	46	2
612	3	1	15	4	7	0.2	6	20	46	2
613	3	1	15	4	7	0.2	6	20	46	2
614	3	1	15	4	7	0.2	6	20	46	2
615	3	1	15	3	7	0.2	6	20	46	2
616a	3	1	15	3	7	0.3	6	19	44	2
616b	3	1	15	3	7	0.2	6	20	46	2
617a	3	1	15	3	7	0.2	6	20	46	2
618a	3	1	15	3	7	0.2	6	20	46	2
618b	3	1	15	3	7	0.2	6	20	46	2
619	3	1	15	3	7	0.2	6	20	46	2
621	3	1	14	3	7	0.2	6	20	46	2
622a	3	1	14	3	7	0.2	6	20	46	2
623a	1	0	5	0	1	0.0	6	16	36	2
623b	3	1	14	3	7	0.2	6	20	46	2
630a	2	1	13	3	6	0.2	6	20	45	2
631	2	1	13	3	6	0.2	6	20	45	2
632	2	1	13	3	6	0.2	6	20	45	2
648	2	1	13	3	7	0.3	6	20	45	2
649	2	1	13	3	7	0.3	6	20	45	2
650	2	1	13	3	7	0.3	6	20	45	2
651	3	1	13	3	7	0.3	6	20	45	2
652	3	1	13	3	7	0.3	6	20	45	2
653	3	1	13	3	7	0.3	6	20	45	2
654a	3	1	15	3	7	0.3	6	20	45	2
654b	3	1	13	3	7	0.3	6	20	45	2
655	3	1	13	3	7	0.3	6	20	45	2
658a	3	1	14	3	7	0.3	6	20	45	2
659	3	1	13	3	7	0.3	6	20	45	2
660a	3	1	14	3	7	0.3	6	20	45	2
660b	3	1	14	3	7	0.3	6	20	45	2
661	3	1	14	3	7	0.3	6	20	45	2
662	3	1	14	3	7	0.3	6	20	45	2
663	3	1	15	3	7	0.3	6	20	45	2
664	3	1	15	4	7	0.3	6	20	45	2
665a	3	1	15	4	7	0.3	6	20	46	2
665b	3	1	15	4	7	0.3	6	20	46	2
667a	4	1	19	4	9	0.3	7	20	47	2
667b	4	1	19	4	9	0.3	7	20	47	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
667c	4	1	19	4	9	0.3	7	20	47	2
667d	4	1	19	4	9	0.3	7	20	47	2
667e	4	1	19	4	9	0.3	7	20	47	2
667f	3	1	13	3	6	0.2	6	18	43	2
669	3	1	16	4	8	0.3	6	20	46	2
671	3	1	16	4	8	0.3	6	20	46	2
672	3	1	16	4	8	0.3	6	20	46	2
673	3	1	16	4	8	0.3	6	20	46	2
675	3	1	16	4	8	0.3	6	20	46	2
676	3	1	16	4	8	0.3	6	20	46	2
677	3	1	16	4	8	0.3	6	20	46	2
678	3	1	16	4	8	0.3	6	20	45	2
679	3	1	16	4	7	0.3	6	20	45	2
680	3	1	16	4	7	0.3	6	20	45	2
681	3	1	16	4	7	0.3	6	20	45	2
682a	3	1	15	3	7	0.3	6	19	45	2
682b	3	1	15	3	7	0.3	6	19	45	2
683	3	1	15	3	7	0.3	6	19	45	2
684	3	1	15	3	7	0.3	6	19	45	2
685	3	1	15	3	7	0.3	6	19	45	2
686	3	1	15	3	7	0.3	6	19	45	2
687	3	1	15	3	7	0.3	6	19	45	2
688	3	1	15	3	7	0.3	6	20	45	2
689	3	1	15	4	7	0.3	6	20	45	2
690	3	1	15	3	7	0.3	6	20	45	2
691	3	1	14	3	7	0.3	6	20	45	2
692	3	1	14	3	7	0.3	6	20	45	2
693	3	1	14	3	7	0.3	6	19	45	2
694a	3	1	14	3	7	0.3	6	19	45	2
694b	3	1	14	3	7	0.3	6	19	45	2
695	3	1	14	3	7	0.3	6	19	45	2
697	3	1	15	3	7	0.3	6	19	45	2
698	3	1	14	3	7	0.3	6	19	44	2
715	1	0	5	0	1	0.0	3	16	36	2
728	3	1	14	3	7	0.3	6	19	44	2
729	3	1	14	3	7	0.3	6	19	44	2
730	3	1	15	3	7	0.3	6	19	45	2
731	3	1	15	3	7	0.3	6	19	45	2
732	3	1	15	3	7	0.3	6	19	45	2
733	3	1	15	3	7	0.3	6	19	45	2
735a	3	1	15	3	7	0.3	6	19	44	2
735b	3	1	15	3	7	0.3	6	19	44	2
736	3	1	15	3	7	0.3	6	19	44	2
737	3	1	15	3	7	0.3	6	19	44	2
738	3	1	15	3	7	0.3	6	19	44	2
739	3	1	15	3	7	0.3	6	19	44	2
740a	3	1	15	3	7	0.3	6	19	44	2
740b	3	1	15	3	7	0.3	6	19	44	2
740c	3	1	15	3	7	0.3	6	19	44	2
740d	3	1	15	3	7	0.3	6	19	44	2
740e	3	1	15	3	7	0.3	6	19	44	2
740f	3	1	15	3	7	0.3	6	19	44	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
741	3	1	15	3	7	0.3	6	19	44	2
742	3	1	15	3	7	0.3	6	19	45	2
743	3	1	15	3	7	0.3	6	19	45	2
744	3	1	15	3	7	0.3	6	19	44	2
745	3	1	15	3	7	0.3	6	19	44	2
746	3	1	15	3	7	0.3	6	19	44	2
747	3	1	15	3	7	0.3	6	19	44	2
748a	3	1	15	3	7	0.3	6	19	44	2
748b	2	0	9	2	4	0.1	6	16	40	2
749a	3	1	15	3	7	0.3	6	19	45	2
749b	3	1	15	3	7	0.3	6	19	45	2
750	3	1	15	3	7	0.3	6	19	45	2
751	3	1	15	3	7	0.3	6	19	45	2
752a	3	1	15	3	7	0.3	6	19	45	2
752b	3	1	15	3	7	0.3	6	19	45	2
753	3	1	15	3	7	0.3	6	19	45	2
754	3	1	15	3	7	0.3	6	19	45	2
755	3	1	15	3	7	0.3	6	19	45	2
756	3	1	16	4	7	0.3	6	19	45	2
757	3	1	16	4	7	0.3	6	20	45	2
758	3	1	16	4	7	0.3	6	20	45	2
759a	3	1	16	4	7	0.3	6	20	45	2
759b	3	1	16	4	7	0.3	6	20	45	2
760	3	1	16	4	7	0.3	6	20	45	2
761	3	1	16	4	8	0.3	6	20	45	2
762	3	1	16	4	8	0.3	6	20	46	2
763	3	1	16	4	8	0.3	6	20	46	2
764	3	1	16	4	8	0.3	6	20	46	2
765a	3	1	16	4	8	0.3	6	20	45	2
765b	3	1	16	4	8	0.3	6	20	46	2
766	3	1	16	4	8	0.3	6	20	45	2
767	3	1	16	4	8	0.3	6	20	45	2
768	3	1	16	4	8	0.3	6	20	45	2
769	3	1	16	4	7	0.3	6	19	45	2
770	3	1	16	4	8	0.3	6	20	45	2
771	3	1	17	4	8	0.3	6	20	45	2
772	3	1	17	4	8	0.3	6	20	45	2
773	3	1	17	4	8	0.3	6	20	45	2
774	3	1	16	4	8	0.3	6	19	45	2
775	3	1	16	4	8	0.3	6	19	45	2
776	3	1	17	4	8	0.3	6	20	45	2
777	3	1	17	4	8	0.3	6	19	45	2
778a	3	1	17	4	8	0.3	6	19	45	2
778b	3	1	17	4	8	0.3	6	19	45	2
779a	3	1	17	4	8	0.3	6	19	45	2
779b	3	1	16	4	8	0.3	6	19	45	2
780	3	1	17	4	8	0.3	6	19	45	2
781	3	1	17	4	8	0.3	6	19	45	2
782	3	1	17	4	8	0.3	6	19	45	2
783	3	1	17	4	8	0.3	6	19	45	2
784	3	1	15	3	7	0.3	6	19	45	2
785	3	1	15	3	7	0.3	6	19	45	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
786	3	1	15	3	7	0.3	6	19	45	2
787a	3	1	15	3	7	0.3	6	19	45	2
787b	3	1	15	3	7	0.3	6	19	45	2
788	3	1	15	3	7	0.3	6	19	45	2
789	3	1	15	3	7	0.3	6	19	45	2
790a	3	1	15	3	7	0.3	6	19	45	2
790b	3	1	15	3	7	0.3	6	19	45	2
791a	3	1	15	3	7	0.3	6	19	45	2
791b	3	1	15	3	7	0.3	6	19	45	2
792a	3	1	16	3	7	0.3	6	19	45	2
792b	3	1	15	3	7	0.3	6	19	45	2
793	3	1	15	3	7	0.3	6	19	45	2
794	3	1	15	3	7	0.3	6	19	45	2
795	3	1	16	3	7	0.3	6	19	45	2
796	3	1	16	3	7	0.3	6	19	45	2
797a	3	1	16	3	7	0.3	6	19	45	2
797b	3	1	16	4	7	0.3	6	19	45	2
798	3	1	16	3	7	0.3	6	19	45	2
801	3	1	16	4	7	0.3	6	19	45	2
802	3	1	16	4	7	0.3	6	19	45	2
803a	3	1	16	3	7	0.3	6	19	45	2
803b	3	1	16	3	7	0.3	6	19	45	2
804	3	1	16	3	7	0.3	6	19	45	2
805	3	1	16	3	7	0.3	6	19	45	2
806	3	1	14	3	6	0.3	6	19	44	2
807	3	1	14	3	6	0.3	6	19	44	2
808	3	1	14	3	6	0.3	6	19	44	2
809	3	1	14	3	7	0.2	6	19	44	2
810	3	1	14	3	7	0.2	6	19	44	2
811	3	1	14	3	7	0.2	6	18	44	2
812	3	1	14	3	7	0.2	6	18	44	2
813	3	1	14	3	7	0.2	6	18	44	2
814	3	1	14	3	7	0.2	6	18	44	2
815a	3	1	14	3	7	0.2	6	18	44	2
815b	3	1	14	3	7	0.2	6	18	44	2
816	3	1	14	3	7	0.2	6	18	43	2
817	3	1	14	3	6	0.2	6	18	43	2
819	3	1	13	3	6	0.2	6	18	43	2
820a	3	1	13	3	6	0.2	6	18	43	2
820b	3	1	13	3	6	0.2	6	18	43	2
821	3	1	13	3	6	0.2	6	18	43	2
822	3	1	13	3	6	0.2	6	18	43	2
823a	3	1	13	3	6	0.2	6	18	43	2
823b	3	1	13	3	6	0.2	6	18	43	2
824	2	1	13	3	6	0.2	6	18	43	2
825	2	1	13	3	6	0.2	6	18	43	2
826	2	1	13	3	6	0.2	6	18	43	2
827	2	1	13	3	6	0.2	6	18	43	2
828	2	1	12	3	6	0.2	6	17	42	2
829a	2	1	12	3	6	0.2	6	17	42	2
829b	2	1	12	3	6	0.2	6	17	42	2
830	2	1	12	3	6	0.2	6	17	42	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
831	2	1	12	3	6	0.2	6	17	42	2
832	2	1	12	3	6	0.2	6	17	42	2
833	2	1	12	3	6	0.2	6	17	42	2
834	2	1	12	3	6	0.2	6	17	42	2
835	2	1	12	3	6	0.2	6	17	42	2
836	2	1	12	3	5	0.2	6	17	42	2
837	2	1	12	3	5	0.2	6	17	42	2
838	2	0	12	3	5	0.2	6	17	42	2
839	2	0	12	3	5	0.2	6	17	42	2
840	2	0	12	3	5	0.2	6	17	42	2
841	2	0	12	3	5	0.2	6	17	42	2
843a	2	0	11	2	5	0.2	6	17	42	2
843b	2	0	11	2	5	0.2	6	17	42	2
844a	2	0	11	2	5	0.2	6	17	41	2
845	2	0	10	2	5	0.2	6	16	41	2
846	2	0	10	2	4	0.2	6	16	41	2
847	2	0	10	2	4	0.2	6	16	41	2
848	2	0	10	2	4	0.2	6	16	41	2
849	2	0	10	2	4	0.2	6	16	41	2
850	2	0	10	2	4	0.2	6	16	41	2
853	2	0	10	2	4	0.1	6	16	40	2
854	2	0	10	2	4	0.1	6	16	40	2
855	2	0	10	2	4	0.1	6	16	40	2
856	2	0	10	2	4	0.1	6	16	40	2
857	2	0	10	2	4	0.1	6	16	40	2
858	2	0	10	2	4	0.1	6	16	40	2
859	2	0	9	2	4	0.1	6	16	40	2
860	2	0	9	2	4	0.1	6	16	40	2
861	2	0	9	2	4	0.1	6	16	40	2
862	2	0	9	2	4	0.1	6	16	40	2
863	2	0	9	2	4	0.1	6	16	40	2
864	2	0	9	2	4	0.1	6	16	40	2
865	2	0	9	2	4	0.1	6	16	40	2
866	2	0	9	2	3	0.1	6	16	39	2
867	2	0	9	2	3	0.1	6	16	39	2
868	2	0	9	2	3	0.1	6	16	39	2
870	2	0	9	2	3	0.1	6	16	39	2
871	2	0	9	2	3	0.1	6	16	39	2
872a	2	0	9	2	3	0.1	6	16	39	2
900a	1	0	5	0	1	0.0	3	16	36	2
900b	1	0	5	1	1	0.0	3	16	36	2
901	1	0	5	1	1	0.0	3	16	36	2
902	1	0	5	1	1	0.0	3	16	36	2
903	1	0	5	1	1	0.0	3	16	36	2
904	1	0	5	1	1	0.0	3	16	36	2
905	1	0	5	1	1	0.0	3	16	36	2
906	1	0	5	1	1	0.0	3	16	36	2
907	1	0	5	1	1	0.0	3	16	36	2
908	1	0	5	1	1	0.0	3	16	36	2
909	1	0	5	1	1	0.0	3	16	36	2
911	1	0	5	0	1	0.0	3	16	36	2
912	1	0	5	1	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
913	1	0	5	0	1	0.0	3	16	36	2
914	1	0	5	0	1	0.0	3	16	36	2
915	1	0	5	0	1	0.0	3	16	36	2
916	1	0	5	0	1	0.0	3	16	36	2
917	1	0	5	0	1	0.0	3	16	36	2
918	1	0	5	0	1	0.0	3	16	36	2
919	1	0	5	0	1	0.0	3	16	36	2
920	1	0	5	0	1	0.0	3	16	36	2
921	1	0	5	0	1	0.0	3	16	36	2
922	1	0	5	0	1	0.0	3	16	36	2
924	1	0	5	1	1	0.0	3	16	36	2
925	1	0	5	1	1	0.0	3	16	36	2
926	1	0	5	1	1	0.0	3	16	36	2
927	1	0	5	1	1	0.0	3	16	36	2
928	1	0	5	1	1	0.0	3	16	36	2
929	1	0	5	1	1	0.0	3	16	36	2
930	1	0	5	1	1	0.0	3	16	36	2
931	1	0	5	1	1	0.0	3	16	36	2
932a	1	0	5	1	1	0.0	3	16	36	2
932b	1	0	5	1	1	0.0	3	16	36	2
933	1	0	5	1	1	0.0	3	16	36	2
934	1	0	5	1	1	0.0	3	16	36	2
935a	1	0	5	0	1	0.0	3	16	36	2
935b	1	0	5	0	1	0.0	3	16	36	2
936	1	0	5	0	1	0.0	3	16	36	2
937	1	0	5	0	1	0.0	3	16	36	2
938	1	0	5	0	1	0.0	3	16	36	2
939	1	0	5	1	1	0.0	3	16	36	2
940	1	0	5	1	1	0.0	3	16	36	2
941	1	0	6	1	1	0.0	3	16	36	2
942	1	0	6	0	1	0.0	3	16	36	2
943	1	0	6	0	1	0.0	3	16	36	2
944	1	0	6	0	1	0.0	3	16	36	2
945a	1	0	6	0	1	0.0	3	16	36	2
945b	1	0	6	0	1	0.0	3	16	36	2
946	1	0	6	0	1	0.0	3	16	36	2
947	1	0	6	0	1	0.0	3	16	36	2
948	1	0	6	0	1	0.0	3	16	36	2
949	1	0	5	0	1	0.0	3	16	36	2
950	1	0	5	0	1	0.0	3	16	36	2
951	1	0	5	0	1	0.0	3	16	36	2
952	1	0	5	0	1	0.0	3	16	36	2
953	1	0	5	0	1	0.0	3	16	36	2
954	1	0	6	0	1	0.0	3	16	36	2
955	1	0	6	0	1	0.0	3	16	36	2
956	1	0	6	0	1	0.0	3	16	36	2
957a	1	0	5	0	1	0.0	3	16	36	2
957b	1	0	6	0	1	0.0	3	16	36	2
958	1	0	6	0	1	0.0	3	16	36	2
959	1	0	6	0	1	0.0	3	16	36	2
960	1	0	6	0	1	0.0	3	16	36	2
961	1	0	6	0	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
962	1	0	6	0	1	0.0	3	16	36	2
963	1	0	6	0	1	0.0	3	16	36	2
964	1	0	6	0	1	0.0	3	16	36	2
965	1	0	6	0	1	0.0	3	16	36	2
966	1	0	6	0	1	0.0	3	16	36	2
967a	1	0	6	0	1	0.0	3	16	36	2
967b	1	0	6	0	1	0.0	3	16	36	2
968	1	0	6	0	1	0.0	3	16	36	2
969	1	0	6	0	1	0.0	3	16	36	2
970	1	0	6	0	1	0.0	3	16	36	2
971	1	0	6	0	1	0.0	3	16	36	2
972	1	0	6	0	1	0.0	3	16	36	2
973	1	0	6	0	1	0.0	3	16	36	2
974	1	0	6	0	1	0.0	3	16	36	2
976	1	0	5	0	1	0.0	3	16	36	2
977a	1	0	5	0	1	0.0	3	16	36	2
977b	1	0	5	0	1	0.0	3	16	36	2
978	1	0	5	0	1	0.0	3	16	36	2
979a	1	0	5	0	1	0.0	3	16	36	2
979b	1	0	5	0	1	0.0	3	16	36	2
980	1	0	5	0	1	0.0	3	16	36	2
981a	1	0	5	0	1	0.0	3	16	36	2
981b	1	0	5	0	1	0.0	3	16	36	2
982	1	0	5	0	1	0.0	3	16	36	2
983	1	0	5	0	1	0.0	3	16	36	2
984	1	0	5	0	1	0.0	3	16	36	2
985	1	0	5	0	1	0.0	3	16	36	2
986	1	0	5	0	1	0.0	3	16	36	2
987	1	0	5	0	1	0.0	3	16	36	2
988a	1	0	5	0	1	0.0	3	16	36	2
988b	1	0	5	0	1	0.0	3	16	36	2
989a	1	0	5	0	1	0.0	3	16	36	2
989b	1	0	5	0	1	0.0	3	16	36	2
990	1	0	5	0	1	0.0	3	16	36	2
991	1	0	5	0	1	0.0	3	16	36	2
992	1	0	5	0	1	0.0	3	16	36	2
993a	1	0	5	0	1	0.0	3	16	36	2
993b	1	0	5	0	1	0.0	3	16	36	2
994a	1	0	5	0	1	0.0	3	16	36	2
994b	1	0	5	0	1	0.0	3	16	36	2
995	1	0	5	0	1	0.0	3	16	36	2
997	1	0	5	0	1	0.0	3	16	36	2
998	1	0	5	0	1	0.0	3	16	36	2
999	1	0	4	0	1	0.0	3	16	36	2
1000	1	0	5	0	1	0.0	3	16	36	2
1001	1	0	5	0	1	0.0	3	16	36	2
1002	1	0	5	0	1	0.0	3	16	36	2
1003	1	0	5	0	1	0.0	3	16	36	2
1004	1	0	5	0	1	0.0	3	16	36	2
1005	1	0	5	0	1	0.0	3	16	36	2
1006	1	0	5	0	1	0.0	3	16	36	2
1007	1	0	4	0	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
1008	1	0	4	0	1	0.0	3	16	36	2
1009	1	0	5	0	1	0.0	3	16	36	2
1010	1	0	5	0	1	0.0	3	16	36	2
1011	1	0	5	0	1	0.0	3	16	36	2
1012	1	0	5	0	1	0.0	3	16	36	2
1014	1	0	5	0	1	0.0	3	16	36	2
1015	1	0	5	0	1	0.0	3	16	36	2
1016	1	0	5	0	1	0.0	3	16	36	2
1017	1	0	5	0	1	0.0	3	16	36	2
1018	1	0	5	0	1	0.0	3	16	36	2
1019	1	0	5	0	1	0.0	3	16	36	2
1020	1	0	5	0	1	0.0	3	16	36	2
1021	1	0	5	0	1	0.0	3	16	36	2
1022	1	0	5	0	1	0.0	3	16	36	2
1023	1	0	5	0	1	0.0	3	16	36	2
1024	1	0	5	0	1	0.0	3	16	36	2
1025	1	0	5	0	1	0.0	3	16	36	2
1026	1	0	5	0	1	0.0	3	16	36	2
1027	1	0	5	0	1	0.0	3	16	36	2
1028	1	0	5	0	1	0.0	3	16	36	2
1029	1	0	5	0	1	0.0	3	16	36	2
1030	1	0	5	0	1	0.0	3	16	36	2
1031	1	0	5	0	1	0.0	3	16	36	2
1032	1	0	5	0	1	0.0	3	16	36	2
1033	1	0	5	0	1	0.0	3	16	36	2
1034	1	0	5	0	1	0.0	3	16	36	2
1035	1	0	5	0	1	0.0	3	16	36	2
1036a	1	0	5	0	1	0.0	3	16	36	2
1036b	1	0	5	0	1	0.0	3	16	36	2
1037	1	0	5	0	1	0.0	3	16	36	2
1038	1	0	5	0	1	0.0	3	16	36	2
1039	1	0	5	0	1	0.0	3	16	36	2
1040	1	0	5	0	1	0.0	3	16	36	2
1041	1	0	5	0	1	0.0	3	16	36	2
1042	1	0	5	0	1	0.0	3	16	36	2
1043	1	0	5	0	1	0.0	3	16	36	2
1044	1	0	5	0	1	0.0	3	16	36	2
1045	1	0	5	0	1	0.0	3	16	36	2
1046	1	0	5	0	1	0.0	3	16	36	2
1077	1	0	5	0	1	0.0	3	16	36	2
1078	1	0	5	0	1	0.0	3	16	36	2
1079	1	0	5	0	1	0.0	3	16	36	2
1080	1	0	5	0	1	0.0	3	16	36	2
1081	1	0	5	0	1	0.0	3	16	36	2
1082a	1	0	5	0	1	0.0	3	16	36	2
1082b	1	0	5	0	1	0.0	3	16	36	2
1100a	0	0	1	0	0	0.0	3	7	36	2
1100b	0	0	1	0	0	0.0	3	7	36	2
Mine-owned receptors										
23	6	1	31	7	16	0.3	5	20	59	2
68	5	1	25	6	12	0.3	4	20	50	2
80a	4	1	19	4	9	0.3	6	20	47	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
135	8	1	42	8	19	0.5	5	16	55	2
135b	8	2	42	8	19	0.5	5	16	55	2
139	4	1	19	3	7	0.2	4	13	43	2
158	13	1	**67**	7	16	0.3	4	15	52	2
231	4	1	20	4	9	0.3	7	20	47	2
263	2	0	11	1	1	0.0	4	11	45	2
1p	7	2	34	8	18	0.4	5	19	55	2
1z	13	1	**67**	6	14	0.3	4	13	50	2
1ab	16	1	**85**	7	18	0.3	4	14	54	2
1ac	5	1	29	7	16	0.3	5	20	58	2
1ad	1	0	6	2	3	0.2	3	11	41	2
1ae	8	2	39	10	21	0.5	5	21	62	3
1af	6	1	29	7	14	0.4	5	20	53	2
1ag	6	1	28	7	14	0.4	5	20	53	2
1ah	5	1	26	6	12	0.4	4	20	51	2
1ai	5	1	26	6	12	0.4	4	20	51	2
1aj	5	1	25	6	12	0.4	4	20	50	2
1ak	5	1	25	6	12	0.4	4	20	50	2
1al	5	1	25	6	12	0.3	4	20	50	2
1am	5	1	24	6	12	0.3	4	20	50	2
1ar	5	1	26	7	14	0.4	4	19	52	2
1as	5	1	26	7	14	0.4	4	19	52	2
1aw	6	1	29	8	17	0.4	5	19	54	2
1ax	6	1	28	7	16	0.4	5	19	53	2
1bb	6	1	31	7	15	0.4	5	20	54	2
1bc	6	1	28	7	16	0.4	5	19	53	2
1bd	1	0	5	1	3	0.2	3	12	42	2
1bf	11	2	**59**	11	30	0.8	5	18	66	3
1bg	10	2	**53**	10	26	0.7	5	16	62	3
2i	6	1	31	7	15	0.4	5	20	55	2
246	1	0	7	1	1	0.0	4	20	57	2
246b	1	0	7	1	1	0.0	4	20	57	2
2b	14	4	**73**	18	41	0.8	7	**31**	89	3
2d	3	1	16	4	8	0.2	4	20	47	2
2e	10	3	50	13	28	0.7	6	24	70	3
2f	18	4	**89**	22	49	1.1	8	**32**	**92**	3
2n	2	0	7	1	2	0.0	5	23	62	2
2o	1	0	6	1	1	0.0	4	20	55	2
2p	1	0	6	1	1	0.0	4	19	54	2
2r	1	0	6	1	1	0.0	4	20	54	2
2s	1	0	6	1	1	0.0	4	20	55	2
2w	1	0	7	1	1	0.0	4	14	46	2
2x	6	2	31	8	17	0.3	5	21	66	2
2y	6	2	32	8	18	0.3	5	21	66	3
2z	6	2	32	8	18	0.3	5	21	65	2
2aa	7	2	34	9	19	0.3	6	21	67	3
2ab	6	2	32	8	18	0.3	5	20	65	2
2ad	6	2	32	8	18	0.3	5	20	65	2
2af	6	2	31	8	17	0.3	5	20	64	2
2ai	11	3	**57**	14	30	0.5	7	**28**	82	3
2aj	6	2	35	8	18	0.4	5	21	63	2
2al	15	4	**76**	19	43	0.8	8	**32**	**91**	3

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
2am	6	2	30	8	17	0.3	5	20	63	2
2an	1	0	6	1	1	0.0	4	19	53	2
2ao	1	0	6	1	1	0.0	4	19	53	2
7	5	1	28	7	15	0.3	5	19	63	2
211	3	1	17	5	10	0.2	7	16	54	2
299	1	0	3	0	1	0.0	3	9	41	2
487b	1	0	4	1	1	0.0	4	11	45	2
5f	5	1	29	7	15	0.3	5	20	64	2
5g	6	1	30	7	16	0.3	5	20	65	2
5i	1	0	3	0	1	0.0	3	9	41	2
5j	1	0	2	0	0	0.0	3	8	38	2
5k	1	0	3	0	1	0.0	3	9	41	2
5l	1	0	4	0	1	0.0	3	10	43	2
5m	1	0	6	1	1	0.0	4	14	52	2
5p	1	0	6	1	1	0.0	4	15	53	2
5r	3	1	14	3	5	0.1	6	**39**	89	2
5t	3	1	15	3	7	0.1	6	**29**	76	2
5v	1	0	4	0	1	0.0	3	9	39	2
5x	1	0	4	0	1	0.0	3	9	39	2
5y	3	1	14	4	7	0.1	5	14	55	2
5z	3	1	14	4	7	0.1	5	13	54	2
5aa	3	1	14	4	7	0.1	5	13	55	2
5ab	2	1	10	3	6	0.1	4	12	51	2
5ad	2	1	11	3	6	0.1	4	12	51	2
5af	2	1	11	3	6	0.1	4	12	51	2
5ag	1	0	3	0	1	0.0	3	7	38	2
5ah	1	0	2	0	0	0.0	3	8	38	2
5ai	1	0	3	0	1	0.0	3	8	39	2
5aj	1	0	4	0	1	0.0	3	8	42	2
5ak	1	0	4	0	1	0.0	3	9	43	2
5al	1	0	2	0	0	0.0	3	9	39	2
5am	2	0	9	1	2	0.0	5	**27**	71	2
3a	2	0	8	1	2	0.0	3	12	37	2
3b	2	0	8	1	2	0.0	3	12	37	2
3c	10	1	**53**	5	11	0.2	4	13	47	2
3d	2	0	8	1	2	0.0	3	12	37	2
3e	2	0	8	1	2	0.0	3	12	37	2
3f	1	0	7	1	2	0.0	3	13	37	2
3g	8	1	40	4	10	0.2	4	14	45	2
3i	2	0	13	1	2	0.0	3	13	38	2
3j	1	0	6	1	1	0.0	3	14	37	2
3k	5	1	27	4	9	0.2	4	14	45	2
3m	4	1	23	5	12	0.4	4	14	48	2
3n	3	0	18	2	4	0.1	3	14	39	2
3o	3	1	18	4	9	0.3	4	14	45	2
3p	3	1	17	4	9	0.3	4	14	45	2
3r	2	0	10	2	5	0.1	3	14	40	2
3s	2	0	10	2	5	0.2	3	14	41	2
3t	5	1	28	4	9	0.2	4	14	44	2
3u	5	1	28	4	8	0.1	4	14	44	2
3v	11	2	**61**	10	25	0.5	5	18	61	2
274	0	0	3	1	1	0.0	4	14	43	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
416	0	0	2	0	1	0.0	3	13	41	2
463	0	0	1	0	0	0.0	3	8	36	2
7b	0	0	2	0	0	0.0	3	6	36	2
7c	0	0	2	0	0	0.0	3	6	36	2
7d	1	0	3	0	0	0.0	3	6	37	2
7e	0	0	1	0	0	0.0	3	7	37	2
7f	0	0	1	0	0	0.0	3	7	36	2
7g	0	0	2	0	0	0.0	3	12	41	2
7h	0	0	2	0	1	0.0	4	14	44	2
7i	0	0	2	0	1	0.0	3	13	42	2
7j	0	0	3	1	1	0.0	4	14	44	2
7k	1	0	4	1	1	0.1	3	13	42	2
7l	0	0	2	0	0	0.0	3	6	36	2
7m	1	0	2	0	1	0.0	4	14	45	2
7n	1	0	3	1	1	0.0	3	9	37	2
7o	1	0	3	0	1	0.0	3	8	36	2
8b	0	0	1	0	0	0.0	3	6	36	2
8c	0	0	1	0	0	0.0	3	6	36	2
8e	0	0	2	0	0	0.0	3	5	36	2
8f	0	0	2	0	0	0.0	3	5	36	2
8h	0	0	1	0	0	0.0	3	7	37	2
8i	0	0	1	0	0	0.0	3	7	36	2
8j	0	0	1	0	0	0.0	3	6	36	2
8k	0	0	2	0	0	0.0	3	5	36	2
8l	0	0	1	0	0	0.0	3	7	37	2
8m	0	0	1	0	0	0.0	3	7	37	2
8n	0	0	1	0	0	0.0	3	7	36	2
8o	0	0	2	0	0	0.0	3	5	36	2
8p	0	0	2	0	0	0.0	3	5	36	2
Mal1	1	0	3	1	1	0.0	6	13	46	2
Mal2	1	0	3	0	1	0.0	4	10	40	2
Mal3	1	0	3	1	1	0.0	5	11	42	2
Council/ State-owned receptors										
286e	1	0	2	1	1	0.0	3	10	39	2
286f	0	0	2	0	1	0.0	3	9	38	2
N1	1	0	5	0	1	0.0	3	16	36	2
N2	1	0	5	0	1	0.0	3	16	36	2
N3	1	0	5	0	1	0.0	3	16	36	2
N4	1	0	5	0	1	0.0	3	16	36	2
N5	1	0	5	0	1	0.0	3	16	36	2
N6	1	0	5	0	1	0.0	3	16	36	2
N7	1	0	5	0	1	0.0	3	16	36	2
N8	1	0	5	0	1	0.0	3	16	36	2
N9	1	0	5	0	1	0.0	3	16	36	2
N10	1	0	5	0	1	0.0	3	16	36	2
N11	1	0	5	0	1	0.0	3	16	36	2
N12	1	0	5	0	1	0.0	3	16	36	2
N13	1	0	5	0	1	0.0	3	16	36	2
N14	1	0	5	0	1	0.0	3	16	36	2
N15	1	0	5	0	1	0.0	3	16	36	2
N16	1	0	5	0	1	0.0	3	16	36	2
N17	1	0	5	0	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
N18	1	0	5	0	1	0.0	3	16	36	2
N19	1	0	5	0	1	0.0	3	16	36	2
N20	1	0	5	0	1	0.0	3	16	36	2
N21	1	0	5	0	1	0.0	3	16	36	2
N22	1	0	4	1	1	0.0	3	11	37	2
N23	1	0	4	1	1	0.0	3	11	37	2
N24	1	0	4	1	1	0.0	3	11	37	2
N25	1	0	3	0	1	0.0	3	11	36	2
N26	1	0	3	0	1	0.0	3	11	36	2
N27	1	0	3	0	1	0.0	3	11	36	2
N28	2	0	8	2	3	0.1	6	16	39	2
Aged care receptors										
658a	3	1	14	3	7	0.3	6	20	45	2
658b	3	1	14	3	7	0.3	6	20	45	2
658c	3	1	13	3	7	0.3	6	20	45	2
658d	3	1	13	3	7	0.3	6	20	45	2
658e	3	1	13	3	7	0.3	6	20	45	2
Prison receptors										
MP1	1	0	3	0	1	0.0	3	11	36	2
MP42	1	0	3	0	1	0.0	3	11	36	2
MP80	1	0	3	0	1	0.0	3	10	36	2
Commercial accommodation receptors										
622b	3	1	14	3	7	0.2	6	20	46	2
622c	3	1	14	3	7	0.2	6	20	46	2
622d	3	1	14	3	7	0.2	6	20	46	2
622e	3	1	14	3	7	0.2	6	20	46	2
622f	3	1	14	3	7	0.2	6	20	46	2
622g	3	1	14	3	7	0.2	6	20	46	2
622h	3	1	14	3	7	0.2	6	20	46	2
622i	3	1	14	3	7	0.2	6	20	46	2
622j	3	1	14	3	7	0.2	6	20	46	2
622k	3	1	14	3	7	0.2	6	20	46	2
622l	3	1	14	3	7	0.2	6	20	46	2
622m	3	1	14	3	7	0.2	6	20	46	2
622n	3	1	14	3	7	0.2	6	20	46	2
622o	3	1	14	3	7	0.2	6	20	46	2
622p	3	1	14	3	7	0.2	6	20	46	2
622q	3	1	14	3	7	0.2	6	20	46	2
622r	3	1	14	3	7	0.2	6	20	46	2
622s	3	1	14	3	7	0.2	6	20	46	2
622t	3	1	14	3	7	0.2	6	20	46	2
622u	3	1	15	3	7	0.2	6	20	46	2
622v	3	1	15	3	7	0.2	6	20	46	2
622w	3	1	14	3	7	0.2	6	20	46	2
622x	3	1	15	3	7	0.2	6	20	46	2
622y	3	1	15	3	7	0.2	6	20	46	2
622z	3	1	14	3	7	0.2	6	20	46	2
622aa	3	1	14	3	7	0.2	6	20	46	2
622ab	3	1	14	3	7	0.2	6	20	46	2
622ac	3	1	15	3	7	0.2	6	20	46	2
622ad	3	1	15	3	7	0.2	6	20	46	2
622ae	3	1	15	3	7	0.2	6	20	46	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
622af	3	1	14	3	7	0.2	6	20	46	2
622ag	3	1	14	3	7	0.2	6	20	46	2
975	1	0	6	0	1	0.0	3	16	36	2
Commercial receptors										
6	5	1	25	6	14	0.2	5	19	62	2
195e	2	0	8	1	2	0.1	3	13	38	2
140b-1	2	0	9	2	4	0.1	3	16	40	2
140b-2	2	0	9	2	4	0.1	3	16	40	2
140b-3	2	0	9	2	4	0.1	3	16	40	2
140b-4	2	0	9	2	4	0.1	3	16	40	2
202c	2	0	13	2	5	0.1	3	16	41	2
202d	3	0	13	2	5	0.1	3	16	41	2
202e	3	0	13	2	5	0.1	3	16	41	2
202f	3	0	13	2	5	0.1	3	16	41	2
202g	3	0	13	2	5	0.1	3	16	41	2
472d	1	0	2	0	0	0.0	3	8	38	2
472e	1	0	2	0	0	0.0	3	8	38	2
472f	1	0	2	0	0	0.0	3	8	38	2
472g	1	0	2	0	0	0.0	3	8	38	2
472h	1	0	2	0	0	0.0	3	8	38	2
472i	1	0	2	0	0	0.0	3	8	38	2
472j	1	0	2	0	0	0.0	3	8	38	2
472k	1	0	2	0	0	0.0	3	8	38	2
472l	1	0	2	0	0	0.0	3	8	38	2
472m	1	0	2	0	0	0.0	3	8	38	2
489	4	1	22	4	9	0.1	7	**49**	**104**	3
540	3	1	16	4	8	0.2	4	20	47	2
546a	3	1	18	4	9	0.2	4	20	49	2
546b	3	1	18	4	9	0.2	4	20	49	2
546c	3	1	18	4	9	0.2	4	20	48	2
617b	3	1	15	3	7	0.2	4	20	46	2
617c	3	1	15	4	7	0.2	4	20	46	2
617d	3	1	15	4	7	0.2	4	20	46	2
617e	3	1	15	4	7	0.2	4	20	46	2
617f	3	1	15	4	7	0.2	4	20	46	2
617g	3	1	15	3	7	0.2	4	20	46	2
617h	3	1	15	3	7	0.2	4	20	46	2
617i	3	1	15	3	7	0.2	4	20	46	2
620	3	1	14	3	7	0.2	4	20	46	2
622ah	3	1	14	3	7	0.2	4	20	46	2
622ai	3	1	14	3	7	0.2	4	20	46	2
611aj	3	1	14	3	7	0.2	4	20	46	2
622ak	3	1	14	3	7	0.2	4	20	46	2
625	3	1	14	3	7	0.2	4	20	45	2
629	3	1	14	3	7	0.2	4	20	45	2
626	3	1	14	3	7	0.2	4	20	45	2
627	3	1	14	3	7	0.2	4	20	45	2
628	3	1	14	3	7	0.2	4	20	45	2
630a	2	1	13	3	6	0.2	6	20	45	2
630b	3	1	14	3	7	0.2	4	20	45	2
630c	3	1	14	3	7	0.2	4	20	45	2
630d	3	1	13	3	6	0.2	4	20	45	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
656	3	1	13	3	7	0.3	4	20	45	2
674a	3	1	16	4	7	0.3	4	20	45	2
674b	3	1	16	4	8	0.3	4	20	46	2
818a	3	1	14	3	6	0.2	4	18	43	2
818b	3	1	14	3	6	0.2	4	18	43	2
844b	2	0	11	2	5	0.2	3	17	41	2
872b	2	0	9	2	3	0.1	3	16	39	2
1085	1	0	5	0	1	0.0	3	16	36	2
2ap	1	0	6	1	1	0.0	4	20	55	2
2aq	1	0	6	1	1	0.0	4	20	54	2
2ar	1	0	6	1	1	0.0	4	20	54	2
5h	1	0	2	0	0	0.0	3	8	38	2
5w	1	0	4	0	1	0.0	3	9	39	2
5an	1	0	2	0	0	0.0	3	8	38	2
5ao	1	0	2	0	0	0.0	3	8	38	2
5ap	1	0	4	0	1	0.0	3	9	39	2
8q	0	0	1	0	0	0.0	3	6	36	2
Mal4	1	0	3	1	1	0.0	**16**	**31**	72	2
Mal5	1	0	3	1	1	0.0	**15**	**29**	69	2
Mal6	1	0	3	1	1	0.0	**16**	**31**	71	2
UHSC2	1	0	5	1	1	0.0	3	16	36	2
UHSC3	1	0	5	1	1	0.0	3	16	36	2
UHSC4	1	0	5	1	1	0.0	3	16	36	2
N29	1	0	4	1	1	0.0	3	12	37	2
School receptors										
N30	3	1	15	4	7	0.3	4	20	46	2
N31	3	1	15	4	7	0.3	4	20	46	2
N32	3	1	15	4	7	0.3	4	20	46	2
N33	3	1	15	4	7	0.3	4	20	46	2
Church receptors										
520	1	0	6	1	2	0.1	3	14	38	2
658b	3	1	14	3	7	0.3	6	20	45	2
658c	3	1	13	3	7	0.3	6	20	45	2
616c	3	1	15	3	7	0.2	4	20	46	2
N34	1	0	3	0	1	0.0	3	11	36	2
Heritage receptors										
H1	0	0	2	0	0	0.0	3	7	37	2
H2	3	1	14	3	7	0.3	4	20	45	2
H3	8	2	39	10	21	0.4	6	22	69	3
H4	11	2	**56**	12	27	0.5	7	**30**	83	3
H5	11	2	**55**	12	26	0.5	7	**29**	83	3
H6	11	2	**55**	12	26	0.5	7	**30**	83	3
H7	11	2	**57**	13	27	0.5	7	**30**	84	3
H8	11	2	**58**	13	27	0.5	7	**30**	84	3
H9	12	3	**60**	13	28	0.5	7	**31**	85	3
H10	14	4	**73**	18	41	0.8	7	**31**	89	3
H11	3	1	16	4	9	0.2	5	15	55	2
H12	3	1	16	3	6	0.1	6	**39**	90	2
H13	3	1	16	3	6	0.1	6	**40**	**90**	3
H14	3	1	16	3	6	0.1	6	**40**	**90**	3
H15	3	1	16	3	6	0.1	6	**39**	89	2
H16	3	1	16	3	6	0.1	6	**38**	88	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
H17	3	1	15	3	6	0.1	6	**37**	87	2
H18	3	1	15	3	6	0.1	6	**37**	86	2
H19	1	0	3	1	1	0.0	3	12	36	2

Table D-4: Modelling predictions for Scenario 4

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
Privately-owned receptors										
4	3	1	16	4	9	0.2	5	14	55	2
19	6	1	28	7	16	0.3	8	19	60	2
20	7	2	32	8	18	0.3	5	20	63	2
21	7	2	33	8	18	0.3	5	20	64	2
35	5	1	25	6	13	0.4	7	21	53	2
35b	5	1	26	6	14	0.4	7	21	52	2
43	2	0	13	1	2	0.0	**8**	**64**	**128**	**4**
43b	1	0	7	1	1	0.0	4	17	54	3
45	1	0	6	1	1	0.0	4	15	50	2
45b	1	0	6	1	1	0.0	4	15	51	2
45c	1	0	6	1	1	0.0	4	15	51	2
47	1	0	4	1	1	0.0	5	23	64	3
67	6	1	31	7	15	0.4	5	21	53	2
74	6	1	30	7	14	0.4	5	21	53	2
77	5	1	26	6	13	0.4	7	21	50	2
79	5	1	23	5	11	0.3	7	21	48	2
82	4	1	18	4	9	0.3	6	20	46	2
83	4	1	19	4	9	0.3	6	20	46	2
84a	4	1	21	5	10	0.3	7	20	47	2
84b	1	0	5	1	2	0.1	3	12	41	2
86a	5	1	26	6	13	0.4	4	21	50	2
86b	3	1	16	2	5	0.1	4	15	41	2
96	7	2	34	8	18	0.5	5	21	56	2
102	7	2	35	9	19	0.5	5	21	56	2
108	8	2	37	9	20	0.5	5	21	58	2
112	9	2	39	10	22	0.6	5	21	60	3
118	9	2	40	10	22	0.6	5	21	59	2
120	9	2	41	10	22	0.5	5	21	59	2
120c	9	2	42	10	22	0.6	5	21	59	2
121	10	2	43	10	23	0.6	5	21	60	2
136	9	1	40	7	17	0.4	5	17	53	2
140a	4	1	19	3	7	0.2	4	14	43	2
140c	5	1	22	4	9	0.2	4	17	45	2
143a	6	1	26	3	7	0.1	4	12	43	2
143b	15	1	**70**	7	15	0.2	4	15	50	2
147	16	1	**74**	7	16	0.3	4	14	52	2
153a	5	1	24	6	12	0.5	4	12	49	2
154	19	3	**93**	14	36	0.7	6	22	72	3
154b	18	3	**91**	14	35	0.7	6	22	71	3
156a	22	2	**104**	11	26	0.5	5	19	62	2
156b	1	0	3	0	1	0.0	3	8	40	2
157a	21	2	**97**	9	22	0.4	5	17	58	2
157b	1	0	3	0	0	0.0	3	7	38	2
159	17	2	**79**	7	17	0.3	5	15	52	2
169	7	1	35	5	12	0.2	4	16	48	2
171	5	1	26	4	8	0.1	4	15	44	2
172	4	1	20	3	6	0.1	4	15	42	2
172b	4	1	19	3	6	0.1	4	15	41	2
172c	3	0	13	2	4	0.1	3	15	39	2
310	4	1	20	3	6	0.1	4	15	41	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
173	3	1	16	3	6	0.1	4	15	41	2
174	3	1	16	3	6	0.1	4	15	41	2
175	3	1	16	3	6	0.1	4	15	41	2
175b	3	1	17	3	6	0.1	4	15	42	2
175c	3	1	16	3	6	0.1	4	15	41	2
176	4	1	17	3	6	0.1	4	15	42	2
177	3	1	16	2	5	0.1	3	15	41	2
178	2	0	10	1	3	0.0	3	15	38	2
179	2	0	10	2	3	0.1	3	15	39	2
180	2	0	10	1	3	0.0	3	15	38	2
180b	2	0	10	1	2	0.0	3	15	38	2
180c	2	0	7	1	2	0.0	3	15	37	2
181	2	0	8	1	1	0.0	3	16	37	2
181c	2	0	11	1	2	0.0	3	15	38	2
182	1	0	8	1	1	0.0	3	16	36	2
189	2	0	11	1	3	0.0	3	13	38	2
190	3	0	12	2	3	0.1	3	13	39	2
191	2	0	10	1	3	0.0	3	13	38	2
192	2	0	12	1	3	0.1	3	13	38	2
193	2	0	10	1	3	0.1	3	13	38	2
193c	2	0	9	1	2	0.0	3	13	37	2
194	2	0	11	1	3	0.1	3	13	38	2
195	2	0	10	2	3	0.1	3	14	39	2
197	3	0	13	2	4	0.1	3	14	40	2
196	2	0	12	2	4	0.1	3	15	40	2
195d	3	0	13	2	4	0.1	3	15	40	2
198	3	0	14	2	5	0.1	3	15	41	2
198b	3	0	15	2	5	0.1	3	15	41	2
199	3	0	14	2	4	0.1	3	15	40	2
200	3	0	12	2	4	0.1	3	15	40	2
202	4	1	18	3	7	0.2	4	17	43	2
202b	3	1	15	3	5	0.2	4	17	42	2
203	4	1	19	4	8	0.2	4	17	44	2
203b	4	1	19	3	7	0.2	4	17	44	2
203c	4	1	19	3	8	0.2	4	17	44	2
206	5	1	25	6	12	0.3	7	20	54	2
207	5	1	27	7	14	0.3	7	19	58	2
212	4	1	21	5	12	0.2	7	17	55	2
212b	4	1	20	5	12	0.2	7	17	55	2
213	5	1	25	7	14	0.3	8	18	59	2
214	5	1	25	7	15	0.3	8	18	59	2
215	5	1	25	7	15	0.3	8	19	59	2
216	5	1	26	7	15	0.3	8	19	59	2
216b	5	1	25	7	15	0.3	8	19	59	2
217	5	1	26	7	15	0.3	8	19	59	2
218	5	1	26	7	15	0.3	8	18	59	2
219	5	1	26	7	15	0.3	8	19	60	2
220	5	1	26	7	15	0.3	8	19	60	2
221	5	1	27	7	15	0.3	8	19	60	2
222	6	1	27	7	15	0.3	8	19	60	2
223	6	1	27	7	16	0.3	8	19	60	2
223b	6	1	27	7	16	0.3	8	19	60	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
224	6	1	28	7	16	0.3	8	19	60	2
225	5	1	26	7	15	0.3	8	19	59	2
249	1	0	4	1	1	0.0	3	12	42	2
252	1	0	5	0	1	0.0	3	8	38	2
257	2	0	9	1	1	0.0	4	13	46	2
258a	2	0	11	1	1	0.0	4	11	44	2
258c	2	0	11	1	1	0.0	4	11	43	2
259	2	0	9	1	1	0.0	3	11	43	2
259b	2	0	9	1	1	0.0	3	10	42	2
260	2	0	9	1	1	0.0	4	12	43	2
260a	2	0	8	1	1	0.0	3	12	43	2
260b	2	0	8	1	1	0.0	3	12	43	2
261	1	0	7	1	1	0.0	3	11	41	2
261b	1	0	7	1	1	0.0	3	11	42	2
271	1	0	2	1	1	0.0	4	14	45	2
272b	1	0	4	1	2	0.1	4	14	47	2
272	1	0	4	1	2	0.1	4	14	47	2
273	1	0	3	1	1	0.0	4	14	44	2
273b	1	0	3	1	1	0.0	4	14	45	2
288	4	1	19	5	9	0.3	7	21	49	2
288b	4	1	19	4	9	0.3	7	21	49	2
289	4	1	22	5	11	0.3	7	21	50	2
292	1	0	3	0	1	0.0	3	9	40	2
292b	1	0	3	0	1	0.0	3	9	40	2
300	1	0	4	0	1	0.0	3	9	41	2
298	1	0	4	0	1	0.0	3	10	42	2
296a	1	0	5	1	1	0.0	3	10	43	2
296b	1	0	4	1	1	0.0	3	10	43	2
302a	1	0	4	0	1	0.0	3	9	40	2
302c	1	0	3	0	1	0.0	3	8	40	2
401	1	0	4	1	2	0.1	3	13	40	2
402	1	0	4	1	2	0.1	3	13	40	2
404	1	0	4	1	2	0.1	3	12	41	2
407	1	0	5	1	3	0.2	3	12	41	2
413b	1	0	4	1	1	0.0	3	14	41	2
415	1	0	3	1	1	0.0	3	14	42	2
417	0	0	3	1	1	0.0	4	14	43	2
418	0	0	2	0	1	0.0	3	14	43	2
418b	0	0	2	0	1	0.0	3	14	43	2
419	1	0	4	1	1	0.0	3	14	42	2
421	1	0	3	1	2	0.1	4	13	43	2
422a	3	1	13	3	6	0.2	4	15	42	2
436	2	0	6	1	1	0.0	3	16	37	2
437	2	0	7	1	1	0.0	3	15	37	2
441	1	0	7	1	1	0.0	3	16	36	2
442	0	0	3	0	0	0.0	3	15	35	2
443	1	0	7	1	1	0.0	3	16	36	2
451	1	0	7	1	1	0.0	3	13	37	2
452	1	0	7	1	2	0.1	3	13	38	2
453a	0	0	2	0	1	0.0	4	14	44	2
453b	0	0	2	0	1	0.0	4	14	43	2
454	0	0	2	0	1	0.0	3	13	43	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
455	0	0	2	0	0	0.0	3	13	40	2
456	0	0	2	0	0	0.0	3	13	40	2
456b	0	0	2	0	0	0.0	3	13	40	2
458	0	0	2	0	1	0.0	4	13	43	2
460	0	0	1	0	0	0.0	3	9	37	2
460b	0	0	1	0	0	0.0	3	9	37	2
461	0	0	1	0	0	0.0	3	9	37	2
462a	0	0	1	0	0	0.0	3	8	37	2
462b	0	0	1	0	0	0.0	3	8	37	2
462c	0	0	1	0	0	0.0	3	8	37	2
464	1	0	3	0	0	0.0	3	7	38	2
464b	1	0	3	0	0	0.0	3	7	38	2
465	1	0	2	0	0	0.0	3	7	37	2
466	1	0	3	0	0	0.0	3	7	38	2
467	1	0	4	0	1	0.0	3	9	41	2
467b	1	0	4	0	1	0.0	3	9	41	2
468a	1	0	2	0	0	0.0	3	7	37	2
468b	1	0	2	0	0	0.0	3	7	37	2
468c	1	0	2	0	0	0.0	3	7	37	2
468d	1	0	2	0	0	0.0	3	7	37	2
470	1	0	3	0	1	0.0	3	8	38	2
471	1	0	3	0	0	0.0	3	8	38	2
472a	1	0	3	0	0	0.0	3	8	38	2
472b	1	0	3	0	1	0.0	3	8	38	2
472c	1	0	2	0	0	0.0	3	8	38	2
474	1	0	2	0	0	0.0	3	7	38	2
475	1	0	3	0	1	0.0	3	9	40	2
475b	1	0	3	0	1	0.0	3	9	40	2
476	1	0	2	0	0	0.0	3	8	38	2
477a	1	0	3	0	1	0.0	3	8	38	2
477b	1	0	3	0	1	0.0	3	8	38	2
481	0	0	2	0	0	0.0	3	8	37	2
483	0	0	2	0	0	0.0	3	7	37	2
484	1	0	2	0	0	0.0	3	8	37	2
485a	0	0	2	0	0	0.0	3	8	36	2
485b	0	0	2	0	0	0.0	3	8	36	2
485c	0	0	2	0	0	0.0	3	8	36	2
485d	0	0	2	0	0	0.0	3	8	36	2
485e	0	0	2	0	0	0.0	3	8	36	2
485f	0	0	2	0	0	0.0	3	8	36	2
487	1	0	5	1	1	0.0	4	10	45	2
488a	1	0	6	1	1	0.0	4	11	47	2
488b	1	0	7	1	1	0.0	4	14	50	2
515a	1	0	4	0	1	0.0	3	13	36	2
515b	1	0	3	0	1	0.0	3	13	36	2
516	1	0	3	0	0	0.0	3	14	36	2
517	1	0	4	0	1	0.0	3	12	36	2
518	1	0	3	0	1	0.0	3	11	36	2
519	1	0	3	0	1	0.0	3	13	36	2
522a	1	0	7	1	2	0.1	3	13	38	2
522b	4	1	17	4	8	0.3	6	19	45	2
522c	4	1	17	4	8	0.3	6	19	45	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
522d	3	1	17	4	8	0.3	6	19	45	2
526	5	1	24	5	11	0.3	7	21	49	2
527	4	1	19	5	10	0.3	7	21	48	2
528	4	1	19	5	10	0.3	7	21	48	2
529	4	1	19	5	10	0.3	7	21	48	2
530	4	1	19	5	9	0.3	7	20	48	2
531	4	1	18	4	9	0.3	7	20	48	2
531b	4	1	19	5	10	0.3	7	21	48	2
532	4	1	18	4	9	0.3	7	20	48	2
533	4	1	18	4	9	0.3	7	21	48	2
534	4	1	18	4	9	0.3	7	21	48	2
535	4	1	18	5	9	0.3	7	21	48	2
536	4	1	18	4	9	0.3	7	21	48	2
537	4	1	18	4	9	0.3	7	21	48	2
538	4	1	19	4	9	0.3	7	21	49	2
539	4	1	19	4	9	0.3	7	21	49	2
541	4	1	19	4	9	0.3	7	21	49	2
542	4	1	19	4	9	0.3	7	21	49	2
543	4	1	19	4	9	0.3	7	21	49	2
543b	4	1	19	4	9	0.3	7	21	49	2
544	4	1	19	4	9	0.3	7	21	49	2
545	4	1	19	4	9	0.3	7	21	49	2
547	2	0	10	1	3	0.1	3	13	38	2
549	1	0	3	1	1	0.0	4	10	39	2
550	1	0	4	1	1	0.0	4	11	41	2
552	1	0	3	1	1	0.0	3	10	39	2
553	1	0	4	1	1	0.0	6	13	45	2
554	1	0	3	1	1	0.0	4	10	40	2
557	1	0	4	1	1	0.0	5	12	43	2
559	1	0	4	1	1	0.0	4	11	41	2
560	1	0	4	1	1	0.0	4	11	41	2
561	1	0	4	1	1	0.0	4	10	40	2
562	1	0	4	1	1	0.0	4	10	40	2
563	1	0	3	1	1	0.0	4	10	39	2
564	1	0	3	1	1	0.0	4	10	39	2
565	1	0	3	1	1	0.0	4	10	39	2
566	1	0	3	1	1	0.0	4	10	39	2
569	1	0	3	1	1	0.0	3	9	38	2
570	1	0	3	1	1	0.0	3	9	38	2
571	1	0	3	1	1	0.0	3	9	38	2
572	1	0	3	1	1	0.0	3	9	38	2
573	1	0	3	1	1	0.0	3	9	38	2
574	1	0	3	1	1	0.0	3	9	38	2
575	1	0	3	1	1	0.0	3	9	38	2
576	1	0	4	1	1	0.0	3	9	38	2
577a	1	0	4	1	2	0.0	3	10	39	2
577b	1	0	4	1	2	0.0	3	10	39	2
578	1	0	4	1	2	0.0	3	10	39	2
583	1	0	3	0	1	0.0	3	10	36	2
586	1	0	3	0	0	0.0	3	13	36	2
587a	0	0	2	0	0	0.0	3	14	35	2
587b	0	0	2	0	0	0.0	3	14	35	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
588	1	0	3	0	0	0.0	3	13	36	2
600a	4	1	19	4	9	0.3	7	21	49	2
600b	4	1	19	4	9	0.3	7	21	49	2
601	4	1	19	4	9	0.3	7	21	48	2
602	4	1	19	4	9	0.3	7	21	48	2
603	4	1	18	4	9	0.3	7	21	48	2
604	4	1	18	4	9	0.3	7	21	48	2
605	4	1	18	4	9	0.3	7	21	48	2
606	4	1	18	4	9	0.3	7	21	48	2
607	4	1	18	4	9	0.3	7	21	48	2
608	4	1	18	4	9	0.3	7	21	48	2
609	4	1	18	4	9	0.3	7	21	48	2
610	4	1	18	4	9	0.3	7	21	48	2
611	4	1	18	4	9	0.3	7	21	48	2
612	4	1	18	4	9	0.3	7	21	48	2
613	4	1	18	4	9	0.3	7	21	48	2
614	4	1	18	4	9	0.3	7	21	48	2
615	4	1	18	4	9	0.3	7	21	48	2
616a	4	1	18	4	8	0.3	6	20	46	2
616b	4	1	18	4	9	0.3	7	21	48	2
617a	3	1	17	4	8	0.3	7	21	47	2
618a	3	1	17	4	8	0.3	7	21	47	2
618b	3	1	17	4	8	0.3	7	21	47	2
619	3	1	17	4	8	0.3	7	21	47	2
621	3	1	17	4	8	0.3	7	21	47	2
622a	3	1	17	4	8	0.3	7	21	47	2
623a	1	0	7	1	1	0.0	6	16	36	2
623b	3	1	17	4	8	0.3	7	21	47	2
630a	3	1	16	4	8	0.3	6	20	46	2
631	3	1	16	4	7	0.3	6	20	46	2
632	3	1	16	4	8	0.3	6	20	46	2
648	3	1	16	4	8	0.3	6	20	46	2
649	3	1	16	4	8	0.3	7	20	46	2
650	3	1	16	4	8	0.3	7	20	46	2
651	3	1	16	4	8	0.3	6	20	46	2
652	3	1	16	4	8	0.3	7	20	47	2
653	3	1	16	4	8	0.3	7	20	47	2
654a	3	1	16	4	8	0.3	7	20	47	2
654b	3	1	16	4	8	0.3	7	20	47	2
655	3	1	16	4	8	0.3	7	20	47	2
658a	3	1	16	4	8	0.3	7	20	47	2
659	3	1	16	4	8	0.3	7	20	47	2
660a	3	1	16	4	8	0.3	7	20	47	2
660b	3	1	16	4	8	0.3	7	20	47	2
661	3	1	16	4	9	0.3	7	20	47	2
662	3	1	16	4	9	0.3	7	20	47	2
663	3	1	16	4	9	0.3	7	20	47	2
664	3	1	16	4	9	0.3	7	20	47	2
665a	3	1	17	4	9	0.3	7	20	47	2
665b	3	1	17	4	9	0.3	7	21	47	2
667a	4	1	21	5	11	0.3	7	21	49	2
667b	4	1	21	5	11	0.3	7	21	49	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
667c	4	1	21	5	11	0.3	7	21	49	2
667d	4	1	21	5	11	0.3	7	21	49	2
667e	4	1	21	5	11	0.3	7	21	49	2
667f	3	1	17	4	8	0.3	6	19	45	2
669	3	1	17	4	9	0.3	7	20	47	2
671	4	1	17	4	9	0.3	7	20	47	2
672	4	1	17	4	9	0.3	7	20	47	2
673	4	1	17	4	9	0.3	7	20	47	2
675	4	1	18	4	9	0.3	7	20	47	2
676	4	1	18	4	9	0.3	7	20	47	2
677	4	1	18	4	9	0.3	7	20	47	2
678	4	1	18	4	9	0.3	7	20	47	2
679	4	1	18	4	9	0.3	7	20	47	2
680	4	1	17	4	9	0.3	7	20	47	2
681	3	1	17	4	9	0.3	7	20	47	2
682a	3	1	17	4	9	0.3	7	20	47	2
682b	3	1	17	4	9	0.3	7	20	47	2
683	3	1	17	4	9	0.3	7	20	47	2
684	3	1	17	4	8	0.3	7	20	46	2
685	3	1	16	4	8	0.3	7	20	46	2
686	3	1	16	4	8	0.3	7	20	46	2
687	3	1	16	4	8	0.3	7	20	46	2
688	3	1	16	4	8	0.3	7	20	46	2
689	3	1	16	4	9	0.3	7	20	47	2
690	3	1	16	4	9	0.3	7	20	47	2
691	3	1	16	4	8	0.3	7	20	47	2
692	3	1	16	4	8	0.3	7	20	47	2
693	3	1	16	4	8	0.3	6	20	46	2
694a	3	1	16	4	8	0.3	6	20	46	2
694b	3	1	16	4	8	0.3	6	20	46	2
695	3	1	16	4	8	0.3	6	20	46	2
697	3	1	16	4	8	0.3	6	20	46	2
698	3	1	16	4	8	0.3	6	20	46	2
715	1	0	7	1	1	0.0	3	16	36	2
728	3	1	16	4	8	0.3	6	20	46	2
729	3	1	16	4	8	0.3	6	20	46	2
730	3	1	16	4	8	0.3	6	20	46	2
731	3	1	16	4	8	0.3	6	20	46	2
732	3	1	17	4	8	0.3	6	20	46	2
733	3	1	17	4	8	0.3	6	20	46	2
735a	3	1	17	4	8	0.3	6	20	46	2
735b	3	1	17	4	8	0.3	6	20	46	2
736	3	1	17	4	8	0.3	6	20	46	2
737	3	1	17	4	8	0.3	6	20	46	2
738	3	1	17	4	8	0.3	6	20	46	2
739	3	1	17	4	8	0.3	6	20	46	2
740a	3	1	17	4	8	0.3	6	20	46	2
740b	3	1	17	4	8	0.3	6	20	46	2
740c	3	1	17	4	8	0.3	6	20	46	2
740d	3	1	17	4	8	0.3	6	20	46	2
740e	3	1	17	4	8	0.3	6	20	46	2
740f	3	1	17	4	8	0.3	6	20	46	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
741	4	1	18	4	8	0.3	6	20	46	2
742	4	1	18	4	8	0.3	6	20	46	2
743	4	1	18	4	9	0.3	6	20	46	2
744	3	1	17	4	8	0.3	6	20	46	2
745	3	1	17	4	8	0.3	6	20	46	2
746	3	1	17	4	8	0.3	6	20	46	2
747	3	1	17	4	8	0.3	6	20	46	2
748a	3	1	17	4	8	0.3	6	20	46	2
748b	3	0	12	2	5	0.2	6	17	41	2
749a	3	1	17	4	8	0.3	7	20	46	2
749b	3	1	17	4	8	0.3	7	20	46	2
750	3	1	17	4	8	0.3	7	20	46	2
751	3	1	17	4	8	0.3	7	20	46	2
752a	3	1	17	4	9	0.3	7	20	46	2
752b	3	1	17	4	9	0.3	7	20	46	2
753	3	1	17	4	9	0.3	7	20	47	2
754	3	1	17	4	9	0.3	7	20	47	2
755	4	1	17	4	9	0.3	7	20	47	2
756	4	1	18	4	9	0.3	7	20	47	2
757	4	1	18	4	9	0.3	7	20	47	2
758	4	1	18	4	9	0.3	7	20	47	2
759a	4	1	18	4	9	0.3	7	20	47	2
759b	4	1	18	4	9	0.3	7	20	47	2
760	4	1	18	4	9	0.3	7	20	47	2
761	4	1	18	4	9	0.3	7	20	47	2
762	4	1	18	4	9	0.3	7	20	47	2
763	4	1	18	4	9	0.3	7	20	47	2
764	4	1	18	4	9	0.3	7	20	47	2
765a	4	1	18	4	9	0.3	7	20	47	2
765b	4	1	19	4	9	0.3	7	20	47	2
766	4	1	19	4	9	0.3	7	20	47	2
767	4	1	19	4	9	0.3	7	20	47	2
768	4	1	19	4	9	0.3	7	20	47	2
769	4	1	18	4	9	0.3	7	20	47	2
770	4	1	19	4	9	0.3	7	20	47	2
771	4	1	19	4	9	0.3	7	20	47	2
772	4	1	19	4	9	0.3	7	20	47	2
773	4	1	19	4	9	0.3	7	20	47	2
774	4	1	19	4	9	0.3	7	20	47	2
775	4	1	19	4	9	0.3	7	20	47	2
776	4	1	19	4	9	0.3	7	20	47	2
777	4	1	19	4	9	0.3	7	20	47	2
778a	4	1	19	4	9	0.3	7	20	47	2
778b	4	1	19	4	9	0.3	7	20	47	2
779a	4	1	19	4	9	0.3	7	20	47	2
779b	4	1	19	4	9	0.3	7	20	47	2
780	4	1	19	4	9	0.3	7	20	47	2
781	4	1	20	4	9	0.3	7	20	47	2
782	4	1	20	4	9	0.3	7	20	47	2
783	4	1	20	4	9	0.3	7	20	47	2
784	3	1	17	4	8	0.3	7	20	46	2
785	3	1	17	4	9	0.3	7	20	46	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
786	3	1	17	4	9	0.3	7	20	46	2
787a	3	1	17	4	9	0.3	6	20	46	2
787b	4	1	18	4	9	0.3	7	20	47	2
788	4	1	17	4	9	0.3	7	20	46	2
789	4	1	18	4	9	0.3	7	20	46	2
790a	4	1	18	4	9	0.3	6	20	46	2
790b	4	1	18	4	9	0.3	7	20	46	2
791a	4	1	18	4	9	0.3	6	20	46	2
791b	4	1	18	4	9	0.3	7	20	46	2
792a	4	1	18	4	9	0.3	7	20	47	2
792b	4	1	18	4	9	0.3	6	20	46	2
793	4	1	18	4	9	0.3	6	20	46	2
794	4	1	18	4	9	0.3	6	20	46	2
795	4	1	18	4	9	0.3	7	20	46	2
796	4	1	18	4	9	0.3	7	20	46	2
797a	4	1	18	4	9	0.3	7	20	46	2
797b	4	1	18	4	9	0.3	7	20	47	2
798	4	1	18	4	9	0.3	7	20	47	2
801	4	1	19	4	9	0.3	7	20	47	2
802	4	1	19	4	9	0.3	7	20	47	2
803a	4	1	18	4	9	0.3	6	20	46	2
803b	4	1	18	4	9	0.3	6	20	46	2
804	4	1	18	4	9	0.3	6	20	46	2
805	4	1	18	4	9	0.3	6	20	46	2
806	3	1	17	4	8	0.3	6	19	45	2
807	3	1	17	4	8	0.3	6	19	45	2
808	3	1	17	4	8	0.3	6	19	45	2
809	3	1	17	4	8	0.3	6	19	45	2
810	3	1	17	4	8	0.3	6	19	45	2
811	3	1	17	4	8	0.3	6	19	45	2
812	3	1	17	4	8	0.3	6	19	45	2
813	3	1	17	4	8	0.3	6	19	45	2
814	3	1	17	4	8	0.3	6	19	45	2
815a	4	1	17	4	8	0.3	6	19	45	2
815b	4	1	17	4	8	0.3	6	19	45	2
816	4	1	17	4	8	0.3	6	19	45	2
817	4	1	17	4	8	0.3	6	19	45	2
819	3	1	17	4	8	0.3	6	19	45	2
820a	3	1	16	4	8	0.3	6	18	44	2
820b	3	1	17	4	8	0.3	6	19	45	2
821	3	1	16	4	8	0.3	6	18	44	2
822	3	1	16	4	8	0.3	6	18	44	2
823a	3	1	16	4	8	0.3	6	18	44	2
823b	3	1	17	4	8	0.3	6	18	44	2
824	3	1	16	3	7	0.3	6	18	44	2
825	3	1	16	3	7	0.3	6	18	44	2
826	3	1	16	3	7	0.3	6	18	44	2
827	3	1	16	3	7	0.3	6	18	44	2
828	3	1	16	3	7	0.3	6	18	44	2
829a	3	1	16	3	7	0.2	6	18	44	2
829b	3	1	16	3	7	0.2	6	18	44	2
830	3	1	15	3	7	0.2	6	18	44	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
831	3	1	15	3	7	0.2	6	18	44	2
832	3	1	15	3	7	0.2	6	18	44	2
833	3	1	15	3	7	0.2	6	18	44	2
834	3	1	15	3	7	0.2	6	18	44	2
835	3	1	15	3	7	0.2	6	18	44	2
836	3	1	15	3	7	0.2	6	18	43	2
837	3	1	15	3	7	0.2	6	18	43	2
838	3	1	15	3	7	0.2	6	18	43	2
839	3	1	15	3	7	0.2	6	18	43	2
840	3	1	15	3	7	0.2	6	18	43	2
841	3	1	15	3	7	0.2	6	18	43	2
843a	3	1	14	3	6	0.2	6	17	43	2
843b	3	1	15	3	7	0.2	6	18	43	2
844a	3	1	14	3	6	0.2	6	17	43	2
845	3	1	13	3	6	0.2	6	17	42	2
846	3	1	13	3	6	0.2	6	17	42	2
847	3	1	13	3	6	0.2	6	17	42	2
848	3	1	13	3	6	0.2	6	17	42	2
849	3	1	13	3	6	0.2	6	17	42	2
850	3	1	13	3	6	0.2	6	17	42	2
853	3	1	13	3	5	0.2	6	17	42	2
854	3	1	13	2	5	0.2	6	17	42	2
855	3	1	13	2	5	0.2	6	17	42	2
856	3	1	12	2	5	0.2	6	17	41	2
857	3	0	12	2	5	0.2	6	17	41	2
858	3	0	12	2	5	0.2	6	17	41	2
859	3	0	12	2	5	0.2	6	17	41	2
860	3	0	12	2	5	0.2	6	17	41	2
861	3	0	12	2	5	0.2	6	17	41	2
862	3	0	12	2	5	0.2	6	17	41	2
863	2	0	12	2	5	0.2	6	17	41	2
864	2	0	12	2	5	0.2	6	17	41	2
865	2	0	12	2	5	0.2	6	17	41	2
866	2	0	11	2	4	0.1	6	17	41	2
867	2	0	11	2	4	0.1	6	17	41	2
868	2	0	11	2	4	0.1	6	17	40	2
870	2	0	11	2	4	0.1	6	17	40	2
871	2	0	11	2	4	0.1	6	16	40	2
872a	2	0	11	2	4	0.1	6	16	40	2
900a	1	0	7	1	1	0.0	3	16	36	2
900b	2	0	8	1	1	0.0	3	16	37	2
901	2	0	7	1	1	0.0	3	16	37	2
902	2	0	7	1	1	0.0	3	16	37	2
903	2	0	7	1	1	0.0	3	16	37	2
904	2	0	7	1	1	0.0	3	16	37	2
905	2	0	7	1	1	0.0	3	16	37	2
906	2	0	7	1	1	0.0	3	16	37	2
907	2	0	7	1	1	0.0	3	16	37	2
908	2	0	7	1	1	0.0	3	16	36	2
909	2	0	7	1	1	0.0	3	16	36	2
911	1	0	7	1	1	0.0	3	16	36	2
912	1	0	7	1	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
913	1	0	7	1	1	0.0	3	16	36	2
914	1	0	7	1	1	0.0	3	16	36	2
915	1	0	7	1	1	0.0	3	16	36	2
916	1	0	7	1	1	0.0	3	16	36	2
917	1	0	7	1	1	0.0	3	16	36	2
918	1	0	7	1	1	0.0	3	16	36	2
919	1	0	7	1	1	0.0	3	16	36	2
920	1	0	7	1	1	0.0	3	16	36	2
921	1	0	7	1	1	0.0	3	16	36	2
922	1	0	7	1	1	0.0	3	16	36	2
924	2	0	7	1	1	0.0	3	16	36	2
925	2	0	7	1	1	0.0	3	16	36	2
926	2	0	7	1	1	0.0	3	16	37	2
927	2	0	7	1	1	0.0	3	16	37	2
928	2	0	7	1	1	0.0	3	16	37	2
929	2	0	7	1	1	0.0	3	16	37	2
930	2	0	7	1	1	0.0	3	16	37	2
931	2	0	7	1	1	0.0	3	16	37	2
932a	1	0	7	1	1	0.0	3	16	36	2
932b	1	0	8	1	1	0.0	3	16	36	2
933	1	0	7	1	1	0.0	3	16	36	2
934	1	0	7	1	1	0.0	3	16	36	2
935a	1	0	7	1	1	0.0	3	16	36	2
935b	1	0	7	1	1	0.0	3	16	36	2
936	1	0	7	1	1	0.0	3	16	36	2
937	1	0	8	1	1	0.0	3	16	36	2
938	1	0	8	1	1	0.0	3	16	36	2
939	1	0	8	1	1	0.0	3	16	36	2
940	1	0	8	1	1	0.0	3	16	36	2
941	1	0	8	1	1	0.0	3	16	36	2
942	1	0	8	1	1	0.0	3	16	36	2
943	1	0	8	1	1	0.0	3	16	36	2
944	1	0	8	1	1	0.0	3	16	36	2
945a	1	0	8	1	1	0.0	3	16	36	2
945b	1	0	8	1	1	0.0	3	16	36	2
946	1	0	8	1	1	0.0	3	16	36	2
947	1	0	8	1	1	0.0	3	16	36	2
948	1	0	8	1	1	0.0	3	16	36	2
949	1	0	8	1	1	0.0	3	16	36	2
950	1	0	7	1	1	0.0	3	16	36	2
951	1	0	7	1	1	0.0	3	16	36	2
952	1	0	7	1	1	0.0	3	16	36	2
953	1	0	7	1	1	0.0	3	16	36	2
954	1	0	7	1	1	0.0	3	16	36	2
955	1	0	8	1	1	0.0	3	16	36	2
956	1	0	7	1	1	0.0	3	16	36	2
957a	1	0	7	1	1	0.0	3	16	36	2
957b	1	0	7	1	1	0.0	3	16	36	2
958	1	0	8	1	1	0.0	3	16	36	2
959	1	0	8	1	1	0.0	3	16	36	2
960	1	0	8	1	1	0.0	3	16	36	2
961	1	0	8	1	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
962	1	0	8	1	1	0.0	3	16	36	2
963	1	0	8	1	1	0.0	3	16	36	2
964	1	0	8	1	1	0.0	3	16	36	2
965	1	0	8	1	1	0.0	3	16	36	2
966	1	0	8	1	1	0.0	3	16	36	2
967a	1	0	8	1	1	0.0	3	16	36	2
967b	1	0	8	1	1	0.0	3	16	36	2
968	1	0	8	1	1	0.0	3	16	36	2
969	1	0	8	1	1	0.0	3	16	36	2
970	1	0	8	1	1	0.0	3	16	36	2
971	1	0	7	1	1	0.0	3	16	36	2
972	1	0	7	1	1	0.0	3	16	36	2
973	1	0	7	1	1	0.0	3	16	36	2
974	1	0	7	1	1	0.0	3	16	36	2
976	1	0	7	1	1	0.0	3	16	36	2
977a	1	0	6	1	1	0.0	3	16	36	2
977b	1	0	7	1	1	0.0	3	16	36	2
978	1	0	7	1	1	0.0	3	16	36	2
979a	1	0	7	0	1	0.0	3	16	36	2
979b	1	0	7	1	1	0.0	3	16	36	2
980	1	0	7	1	1	0.0	3	16	36	2
981a	1	0	7	1	1	0.0	3	16	36	2
981b	1	0	7	1	1	0.0	3	16	36	2
982	1	0	7	1	1	0.0	3	16	36	2
983	1	0	7	1	1	0.0	3	16	36	2
984	1	0	7	1	1	0.0	3	16	36	2
985	1	0	7	1	1	0.0	3	16	36	2
986	1	0	7	1	1	0.0	3	16	36	2
987	1	0	7	1	1	0.0	3	16	36	2
988a	1	0	7	1	1	0.0	3	16	36	2
988b	1	0	7	1	1	0.0	3	16	36	2
989a	1	0	7	1	1	0.0	3	16	36	2
989b	1	0	7	1	1	0.0	3	16	36	2
990	1	0	7	1	1	0.0	3	16	36	2
991	1	0	7	1	1	0.0	3	16	36	2
992	1	0	7	1	1	0.0	3	16	36	2
993a	1	0	7	1	1	0.0	3	16	36	2
993b	1	0	7	1	1	0.0	3	16	36	2
994a	1	0	7	1	1	0.0	3	16	36	2
994b	1	0	7	1	1	0.0	3	16	36	2
995	1	0	7	1	1	0.0	3	16	36	2
997	1	0	7	1	1	0.0	3	16	36	2
998	1	0	7	1	1	0.0	3	16	36	2
999	1	0	6	1	1	0.0	3	16	36	2
1000	1	0	6	1	1	0.0	3	16	36	2
1001	1	0	6	1	1	0.0	3	16	36	2
1002	1	0	6	1	1	0.0	3	16	36	2
1003	1	0	6	1	1	0.0	3	16	36	2
1004	1	0	6	1	1	0.0	3	16	36	2
1005	1	0	6	1	1	0.0	3	16	36	2
1006	1	0	6	1	1	0.0	3	16	36	2
1007	1	0	6	1	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
1008	1	0	6	1	1	0.0	3	16	36	2
1009	1	0	6	1	1	0.0	3	16	36	2
1010	1	0	6	1	1	0.0	3	16	36	2
1011	1	0	6	1	1	0.0	3	16	36	2
1012	1	0	6	1	1	0.0	3	16	36	2
1014	1	0	7	1	1	0.0	3	16	36	2
1015	1	0	7	1	1	0.0	3	16	36	2
1016	1	0	7	1	1	0.0	3	16	36	2
1017	1	0	7	1	1	0.0	3	16	36	2
1018	1	0	7	1	1	0.0	3	16	36	2
1019	1	0	7	1	1	0.0	3	16	36	2
1020	1	0	6	1	1	0.0	3	16	36	2
1021	1	0	6	1	1	0.0	3	16	36	2
1022	1	0	6	1	1	0.0	3	16	36	2
1023	1	0	6	1	1	0.0	3	16	36	2
1024	1	0	7	1	1	0.0	3	16	36	2
1025	1	0	7	1	1	0.0	3	16	36	2
1026	1	0	7	1	1	0.0	3	16	36	2
1027	1	0	7	1	1	0.0	3	16	36	2
1028	1	0	7	1	1	0.0	3	16	36	2
1029	1	0	7	1	1	0.0	3	16	36	2
1030	1	0	7	1	1	0.0	3	16	36	2
1031	1	0	7	1	1	0.0	3	16	36	2
1032	1	0	7	0	1	0.0	3	16	36	2
1033	1	0	7	0	1	0.0	3	16	36	2
1034	1	0	7	0	1	0.0	3	16	36	2
1035	1	0	7	0	1	0.0	3	16	36	2
1036a	1	0	7	0	1	0.0	3	16	36	2
1036b	1	0	7	0	1	0.0	3	16	36	2
1037	1	0	7	0	1	0.0	3	16	36	2
1038	1	0	7	0	1	0.0	3	16	36	2
1039	1	0	7	0	1	0.0	3	16	36	2
1040	1	0	7	1	1	0.0	3	16	36	2
1041	1	0	7	1	1	0.0	3	16	36	2
1042	1	0	7	1	1	0.0	3	16	36	2
1043	1	0	7	1	1	0.0	3	16	36	2
1044	1	0	7	1	1	0.0	3	16	36	2
1045	1	0	7	0	1	0.0	3	16	36	2
1046	1	0	7	0	1	0.0	3	16	36	2
1077	1	0	7	0	1	0.0	3	16	36	2
1078	1	0	7	0	1	0.0	3	16	36	2
1079	1	0	6	0	1	0.0	3	16	36	2
1080	1	0	6	0	1	0.0	3	16	36	2
1081	1	0	7	0	1	0.0	3	16	36	2
1082a	1	0	7	0	1	0.0	3	16	36	2
1082b	1	0	7	0	1	0.0	3	16	36	2
1100a	0	0	2	0	0	0.0	3	7	36	2
1100b	0	0	1	0	0	0.0	3	7	36	2
Mine-owned receptors										
23	7	2	35	8	19	0.4	5	21	62	2
68	6	1	29	7	14	0.4	5	21	53	2
80a	5	1	23	5	11	0.3	7	21	49	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
135	12	2	**55**	10	24	0.6	5	19	60	3
135b	12	2	**55**	10	24	0.6	5	19	61	3
139	6	1	26	4	10	0.3	4	14	46	2
158	18	2	**86**	8	19	0.3	5	16	55	2
231	5	1	24	5	12	0.3	7	21	49	2
263	2	0	13	1	1	0.0	4	14	48	2
1p	9	2	39	9	21	0.5	5	20	58	2
1z	15	2	**65**	7	17	0.4	5	14	53	2
1ab	19	2	**84**	8	20	0.4	5	15	56	2
1ac	7	2	34	8	18	0.4	5	21	61	2
1ad	1	0	8	2	4	0.3	4	12	42	2
1ae	9	2	42	11	25	0.6	6	23	66	3
1af	7	2	32	8	17	0.4	5	22	56	2
1ag	6	2	32	8	16	0.4	5	22	55	2
1ah	6	1	31	7	15	0.4	5	21	53	2
1ai	6	1	30	7	15	0.4	5	21	53	2
1aj	6	1	30	7	15	0.4	5	21	53	2
1ak	6	1	30	7	15	0.4	5	21	53	2
1al	6	1	30	7	15	0.4	5	21	53	2
1am	6	1	29	7	15	0.4	5	21	52	2
1ar	7	2	32	8	17	0.5	5	21	55	2
1as	7	2	32	8	17	0.5	5	21	55	2
1aw	8	2	35	9	19	0.5	5	21	57	2
1ax	7	2	34	9	19	0.5	5	21	56	2
1bb	7	2	36	8	18	0.5	5	22	57	2
1bc	7	2	35	9	19	0.5	5	21	56	2
1bd	1	0	6	2	3	0.2	4	12	43	2
1bf	18	3	**80**	15	37	1.0	6	21	74	3
1bg	16	3	**74**	13	33	0.9	6	20	69	3
2i	7	2	34	9	18	0.5	5	22	58	2
246	2	0	8	1	2	0.0	4	21	60	2
246b	2	0	8	1	2	0.0	4	21	59	2
2b	16	4	**79**	19	43	0.8	8	**32**	**91**	3
2d	4	1	19	5	10	0.3	4	21	49	2
2e	12	3	**56**	15	32	0.7	6	**25**	74	3
2f	21	5	**99**	23	53	1.1	**8**	**34**	**97**	3
2n	2	0	9	1	2	0.0	5	25	65	2
2o	2	0	7	1	2	0.0	4	23	59	2
2p	2	0	7	1	2	0.0	4	22	57	2
2r	2	0	7	1	2	0.0	4	23	58	2
2s	2	0	7	1	2	0.0	4	23	59	2
2w	2	0	7	1	1	0.0	4	16	49	2
2x	7	2	34	9	19	0.3	6	21	67	3
2y	7	2	35	9	19	0.3	6	21	67	3
2z	7	2	35	9	20	0.3	6	21	67	3
2aa	8	2	38	9	20	0.4	6	22	68	3
2ab	7	2	35	9	20	0.3	6	21	67	3
2ad	7	2	36	9	20	0.4	6	21	66	3
2af	7	2	35	9	20	0.4	6	21	65	2
2ai	12	3	**60**	14	31	0.5	7	**28**	82	3
2aj	8	2	38	10	21	0.4	6	22	65	3
2al	17	4	**82**	19	44	0.8	8	**33**	**92**	3

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
2am	7	2	34	9	19	0.3	5	21	65	2
2an	2	0	7	1	2	0.0	4	21	56	2
2ao	2	0	7	1	2	0.0	4	21	57	2
7	6	1	29	7	16	0.3	5	19	64	2
211	4	1	19	5	11	0.2	7	17	55	2
299	1	0	4	0	1	0.0	3	9	42	2
487b	1	0	6	1	1	0.0	4	11	46	2
5f	6	2	30	8	17	0.3	5	20	65	2
5g	6	2	32	8	18	0.3	5	20	66	3
5i	1	0	4	0	1	0.0	3	9	41	2
5j	1	0	2	0	0	0.0	3	8	38	2
5k	1	0	4	0	1	0.0	3	9	42	2
5l	1	0	5	1	1	0.0	3	10	43	2
5m	2	0	8	1	2	0.0	4	14	53	2
5p	2	0	8	1	2	0.0	4	16	55	2
5r	3	1	16	3	6	0.1	6	**36**	86	2
5t	3	1	17	4	8	0.1	5	**28**	75	2
5v	1	0	5	0	1	0.0	3	10	40	2
5x	1	0	5	0	1	0.0	3	10	40	2
5y	3	1	15	4	8	0.1	5	14	55	2
5z	3	1	15	4	8	0.1	5	13	55	2
5aa	3	1	15	4	8	0.1	5	14	55	2
5ab	3	1	12	3	7	0.1	4	12	52	2
5ad	3	1	13	4	7	0.1	4	12	52	2
5af	3	1	12	3	7	0.1	4	12	52	2
5ag	1	0	3	0	1	0.0	3	7	39	2
5ah	1	0	3	0	1	0.0	3	8	38	2
5ai	1	0	3	0	1	0.0	3	8	39	2
5aj	1	0	5	1	1	0.0	3	9	43	2
5ak	1	0	5	1	1	0.0	3	9	44	2
5al	1	0	3	0	1	0.0	3	9	39	2
5am	2	0	11	2	3	0.0	5	**27**	72	2
3a	2	0	10	1	2	0.0	3	13	38	2
3b	2	0	10	1	2	0.0	3	13	38	2
3c	14	1	**64**	6	13	0.2	4	14	49	2
3d	2	0	10	1	2	0.0	3	13	38	2
3e	2	0	10	1	2	0.0	3	13	38	2
3f	2	0	9	1	2	0.0	3	13	37	2
3g	11	1	**54**	5	12	0.2	4	15	48	2
3i	3	0	16	2	3	0.0	3	14	38	2
3j	2	0	7	1	2	0.0	3	14	37	2
3k	9	1	45	6	13	0.2	4	16	48	2
3m	7	2	35	8	20	0.6	5	17	55	2
3n	5	1	24	2	5	0.1	3	14	40	2
3o	5	1	26	6	14	0.4	4	16	50	2
3p	5	1	23	6	14	0.5	4	15	49	2
3r	3	1	14	3	7	0.2	4	15	42	2
3s	3	1	13	3	7	0.2	4	15	43	2
3t	9	1	45	6	12	0.2	4	16	48	2
3u	9	1	44	5	11	0.2	4	15	47	2
3v	24	3	**120**	16	41	0.8	6	23	77	3
274	0	0	3	1	1	0.0	4	14	44	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
416	0	0	2	0	1	0.0	3	14	42	2
463	0	0	1	0	0	0.0	3	8	37	2
7b	1	0	2	0	0	0.0	3	6	37	2
7c	1	0	2	0	0	0.0	3	6	37	2
7d	1	0	4	0	0	0.0	3	6	37	2
7e	0	0	2	0	0	0.0	3	7	37	2
7f	0	0	1	0	0	0.0	3	7	37	2
7g	0	0	2	0	1	0.0	3	12	42	2
7h	1	0	2	1	1	0.0	4	14	45	2
7i	0	0	2	0	1	0.0	4	14	43	2
7j	1	0	3	1	1	0.0	4	14	45	2
7k	1	0	4	1	2	0.1	3	13	42	2
7l	1	0	2	0	0	0.0	3	6	37	2
7m	1	0	3	1	1	0.0	4	14	46	2
7n	1	0	4	1	1	0.0	3	10	37	2
7o	1	0	3	0	1	0.0	3	8	36	2
8b	0	0	2	0	0	0.0	3	7	36	2
8c	0	0	2	0	0	0.0	3	7	36	2
8e	0	0	2	0	0	0.0	3	5	36	2
8f	1	0	3	0	0	0.0	3	5	36	2
8h	0	0	2	0	0	0.0	3	7	37	2
8i	0	0	1	0	0	0.0	3	7	36	2
8j	0	0	2	0	0	0.0	3	7	36	2
8k	0	0	2	0	0	0.0	3	5	36	2
8l	0	0	2	0	0	0.0	3	7	37	2
8m	0	0	2	0	0	0.0	3	7	37	2
8n	0	0	1	0	0	0.0	3	7	36	2
8o	1	0	2	0	0	0.0	3	5	36	2
8p	0	0	2	0	0	0.0	3	5	36	2
Mal1	1	0	4	1	1	0.0	6	13	46	2
Mal2	1	0	3	1	1	0.0	4	10	40	2
Mal3	1	0	4	1	1	0.0	5	11	42	2
Council/ State-owned receptors										
286e	1	0	3	1	1	0.0	4	10	39	2
286f	1	0	3	1	1	0.0	3	9	38	2
N1	1	0	7	0	1	0.0	3	16	36	2
N2	1	0	7	0	1	0.0	3	16	36	2
N3	1	0	7	0	1	0.0	3	16	36	2
N4	1	0	7	0	1	0.0	3	16	36	2
N5	1	0	7	1	1	0.0	3	16	36	2
N6	1	0	7	1	1	0.0	3	16	36	2
N7	1	0	7	1	1	0.0	3	16	36	2
N8	1	0	7	1	1	0.0	3	16	36	2
N9	1	0	7	1	1	0.0	3	16	36	2
N10	1	0	7	1	1	0.0	3	16	36	2
N11	1	0	7	1	1	0.0	3	16	36	2
N12	1	0	7	0	1	0.0	3	16	36	2
N13	1	0	7	0	1	0.0	3	16	36	2
N14	1	0	7	0	1	0.0	3	16	36	2
N15	1	0	7	0	1	0.0	3	16	36	2
N16	1	0	7	0	1	0.0	3	16	36	2
N17	1	0	7	0	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
N18	1	0	7	0	1	0.0	3	16	36	2
N19	1	0	7	1	1	0.0	3	16	36	2
N20	1	0	7	1	1	0.0	3	16	36	2
N21	1	0	7	1	1	0.0	3	16	36	2
N22	1	0	5	1	1	0.0	3	12	37	2
N23	1	0	5	1	1	0.0	3	12	37	2
N24	1	0	5	1	1	0.0	3	12	37	2
N25	1	0	4	1	1	0.0	3	12	37	2
N26	1	0	4	1	1	0.0	3	12	37	2
N27	1	0	4	1	1	0.0	3	12	37	2
N28	2	0	11	2	4	0.1	6	16	40	2
Aged care receptors										
658a	3	1	16	4	8	0.3	7	20	47	2
658b	3	1	16	4	8	0.3	6	20	46	2
658c	3	1	16	4	8	0.3	6	20	46	2
658d	3	1	16	4	8	0.3	6	20	46	2
658e	3	1	16	4	8	0.3	7	20	46	2
Prison receptors										
MP1	1	0	4	1	1	0.0	3	11	37	2
MP42	1	0	4	1	1	0.0	3	11	37	2
MP80	1	0	3	1	1	0.0	3	10	36	2
Commercial accommodation receptors										
622b	3	1	17	4	8	0.3	7	21	47	2
622c	3	1	17	4	8	0.3	7	21	47	2
622d	3	1	17	4	8	0.3	7	21	47	2
622e	3	1	17	4	8	0.3	7	21	47	2
622f	3	1	17	4	8	0.3	7	21	47	2
622g	3	1	17	4	8	0.3	7	21	47	2
622h	3	1	17	4	8	0.3	7	21	47	2
622i	3	1	17	4	8	0.3	7	21	47	2
622j	3	1	17	4	8	0.3	7	21	47	2
622k	3	1	17	4	8	0.3	7	21	47	2
622l	3	1	17	4	8	0.3	7	21	47	2
622m	3	1	17	4	8	0.3	7	21	47	2
622n	3	1	17	4	8	0.3	7	21	47	2
622o	3	1	17	4	8	0.3	7	21	47	2
622p	3	1	17	4	8	0.3	7	21	47	2
622q	3	1	17	4	8	0.3	7	21	47	2
622r	3	1	17	4	8	0.3	7	21	47	2
622s	3	1	17	4	8	0.3	7	21	47	2
622t	3	1	17	4	8	0.3	7	21	47	2
622u	3	1	17	4	9	0.3	7	21	47	2
622v	3	1	17	4	9	0.3	7	21	47	2
622w	3	1	17	4	8	0.3	7	21	47	2
622x	3	1	17	4	8	0.3	7	21	47	2
622y	3	1	17	4	8	0.3	7	21	47	2
622z	3	1	17	4	8	0.3	7	21	47	2
622aa	3	1	17	4	8	0.3	7	21	47	2
622ab	3	1	17	4	8	0.3	7	21	47	2
622ac	3	1	17	4	9	0.3	7	21	47	2
622ad	3	1	17	4	9	0.3	7	21	47	2
622ae	3	1	17	4	9	0.3	7	21	47	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
622af	3	1	17	4	9	0.3	7	21	47	2
622ag	3	1	17	4	9	0.3	7	21	47	2
975	1	0	7	1	1	0.0	3	16	36	2
Commercial receptors										
6	6	1	27	7	15	0.3	5	19	63	2
195e	2	0	11	2	3	0.1	3	14	39	2
140b-1	2	0	12	2	5	0.2	3	17	41	2
140b-2	2	0	12	2	5	0.2	3	17	41	2
140b-3	2	0	12	2	5	0.2	3	17	41	2
140b-4	2	0	12	2	5	0.2	3	17	41	2
202c	4	1	17	3	6	0.2	4	17	43	2
202d	4	1	17	3	7	0.2	4	17	43	2
202e	4	1	17	3	7	0.2	4	17	43	2
202f	4	1	17	3	6	0.2	4	17	43	2
202g	4	1	17	3	6	0.2	4	17	43	2
472d	1	0	3	0	0	0.0	3	8	38	2
472e	1	0	2	0	0	0.0	3	8	38	2
472f	1	0	3	0	0	0.0	3	8	38	2
472g	1	0	3	0	0	0.0	3	8	38	2
472h	1	0	3	0	0	0.0	3	8	38	2
472i	1	0	3	0	0	0.0	3	8	38	2
472j	1	0	3	0	0	0.0	3	8	38	2
472k	1	0	3	0	0	0.0	3	8	38	2
472l	1	0	3	0	1	0.0	3	8	38	2
472m	1	0	3	0	0	0.0	3	8	38	2
489	5	1	24	5	10	0.2	7	**43**	**98**	3
540	4	1	19	4	9	0.3	4	21	49	2
546a	4	1	21	5	10	0.3	4	21	50	2
546b	4	1	21	5	10	0.3	4	21	50	2
546c	4	1	21	5	10	0.3	4	21	50	2
617b	3	1	17	4	8	0.3	4	21	47	2
617c	4	1	18	4	9	0.3	4	21	48	2
617d	4	1	18	4	9	0.3	4	21	48	2
617e	4	1	18	4	9	0.3	4	21	48	2
617f	4	1	18	4	9	0.3	4	21	48	2
617g	3	1	17	4	8	0.3	4	21	47	2
617h	4	1	18	4	8	0.3	4	21	48	2
617i	4	1	18	4	8	0.3	4	21	47	2
620	3	1	17	4	8	0.3	4	21	47	2
622ah	3	1	17	4	8	0.3	4	21	47	2
622ai	3	1	17	4	8	0.3	4	21	47	2
611aj	3	1	17	4	8	0.3	4	21	47	2
622ak	3	1	17	4	8	0.3	4	21	47	2
625	3	1	17	4	8	0.3	4	21	47	2
629	3	1	17	4	8	0.3	4	21	47	2
626	3	1	17	4	8	0.3	4	21	47	2
627	3	1	17	4	8	0.3	4	21	47	2
628	3	1	17	4	8	0.3	4	21	47	2
630a	3	1	16	4	8	0.3	6	20	46	2
630b	3	1	16	4	8	0.3	4	21	47	2
630c	3	1	16	4	8	0.3	4	21	47	2
630d	3	1	16	4	8	0.3	4	20	46	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
656	3	1	16	4	8	0.3	4	20	47	2
674a	4	1	17	4	9	0.3	4	20	47	2
674b	4	1	18	4	9	0.3	4	20	47	2
818a	3	1	17	4	8	0.3	4	19	45	2
818b	3	1	17	4	8	0.3	4	19	45	2
844b	3	1	14	3	6	0.2	4	17	43	2
872b	2	0	11	2	4	0.1	3	16	40	2
1085	1	0	7	0	1	0.0	3	16	36	2
2ap	2	0	8	1	2	0.0	4	23	59	2
2aq	2	0	7	1	2	0.0	4	23	59	2
2ar	2	0	7	1	2	0.0	4	23	58	2
5h	1	0	3	0	0	0.0	3	8	38	2
5w	1	0	5	0	1	0.0	3	10	40	2
5an	1	0	3	0	1	0.0	3	8	38	2
5ao	1	0	3	0	0	0.0	3	8	38	2
5ap	1	0	5	0	1	0.0	3	10	40	2
8q	0	0	2	0	0	0.0	3	6	36	2
Mal4	1	0	4	1	1	0.0	**16**	**31**	73	2
Mal5	1	0	4	1	1	0.0	**15**	**29**	69	2
Mal6	1	0	4	1	1	0.0	**16**	**31**	72	2
UHSC2	2	0	7	1	1	0.0	3	16	37	2
UHSC3	2	0	7	1	1	0.0	3	16	37	2
UHSC4	2	0	7	1	1	0.0	3	16	37	2
N29	1	0	6	1	2	0.1	3	12	37	2
School receptors										
N30	3	1	17	4	9	0.3	4	20	47	2
N31	3	1	16	4	9	0.3	4	20	47	2
N32	3	1	16	4	9	0.3	4	20	47	2
N33	3	1	17	4	9	0.3	4	20	47	2
Church receptors										
520	2	0	8	1	3	0.1	3	14	39	2
658b	3	1	16	4	8	0.3	6	20	46	2
658c	3	1	16	4	8	0.3	6	20	46	2
616c	4	1	18	4	8	0.3	4	21	48	2
N34	1	0	4	1	1	0.0	3	12	37	2
Heritage receptors										
H1	0	0	2	0	0	0.0	3	7	37	2
H2	3	1	16	4	8	0.3	4	20	46	2
H3	9	2	43	10	23	0.4	6	23	71	3
H4	11	2	**57**	13	28	0.5	7	**29**	83	3
H5	10	2	**56**	13	28	0.5	7	**29**	83	3
H6	10	2	**56**	13	28	0.5	7	**29**	83	3
H7	11	2	**58**	13	29	0.5	7	**30**	84	3
H8	11	2	**59**	13	29	0.5	7	**30**	84	3
H9	11	3	**61**	14	30	0.5	7	**30**	85	3
H10	16	4	**79**	19	43	0.8	8	**32**	**91**	3
H11	4	1	18	5	10	0.2	5	15	56	2
H12	4	1	17	3	7	0.1	6	**36**	86	2
H13	4	1	18	3	7	0.1	6	**36**	86	2
H14	4	1	18	3	7	0.1	6	**36**	86	2
H15	4	1	18	3	7	0.1	6	**35**	85	2
H16	4	1	17	3	7	0.1	6	**35**	84	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
H17	3	1	17	3	7	0.1	6	**34**	84	2
H18	3	1	17	3	7	0.1	6	**34**	83	2
H19	1	0	4	1	1	0.0	3	12	37	2

Table D-5: Modelling predictions for Scenario 5

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
Privately-owned receptors										
4	3	1	17	4	9	0.2	4	6	44	2
19	6	2	28	7	16	0.3	7	13	51	2
20	7	2	31	8	18	0.3	5	13	53	2
21	7	2	31	8	18	0.3	5	13	53	2
35	6	1	26	7	14	0.4	7	19	49	2
35b	6	1	26	7	14	0.4	7	19	50	2
43	3	0	14	1	3	0.0	3	4	38	2
43b	1	0	8	1	1	0.0	3	4	36	2
45	1	0	7	1	1	0.0	3	4	36	2
45b	1	0	7	1	1	0.0	3	4	36	2
45c	1	0	7	1	1	0.0	3	4	36	2
47	1	0	5	1	1	0.0	3	4	36	2
67	7	2	32	8	16	0.4	5	20	51	2
74	7	2	31	7	15	0.4	5	20	50	2
77	6	1	28	6	13	0.4	7	20	48	2
79	5	1	25	5	12	0.3	7	19	47	2
82	4	1	19	4	9	0.3	6	18	44	2
83	4	1	20	4	10	0.3	6	18	44	2
84a	5	1	22	5	10	0.3	7	19	45	2
84b	1	0	6	1	3	0.2	3	9	38	2
86a	7	1	30	6	14	0.4	4	19	49	2
86b	4	1	18	3	5	0.2	3	15	40	2
96	9	2	40	8	19	0.5	5	19	54	2
102	9	2	41	9	19	0.5	5	19	54	2
108	9	2	43	9	21	0.5	5	20	56	2
112	10	2	46	10	23	0.6	5	20	58	2
118	10	2	45	10	22	0.6	5	20	57	2
120	10	2	43	10	21	0.5	5	20	56	2
120c	10	2	44	10	22	0.5	5	20	57	2
121	10	2	45	10	22	0.6	5	20	57	2
136	9	1	37	6	14	0.4	4	16	49	2
140a	5	1	20	3	7	0.2	4	14	41	2
140c	6	1	25	4	9	0.2	4	16	43	2
143a	6	1	25	3	7	0.1	4	12	42	2
143b	11	1	47	5	11	0.2	4	13	46	2
147	11	1	44	5	12	0.2	4	13	47	2
153a	8	2	39	10	22	1.0	5	14	57	3
154	22	3	**100**	12	27	0.5	5	19	62	2
154b	22	3	**100**	12	27	0.5	5	19	62	2
156a	18	2	**76**	7	17	0.3	5	15	52	2
156b	1	0	3	0	1	0.0	3	5	35	2
157a	15	1	**64**	7	15	0.3	4	14	49	2
157b	1	0	3	0	1	0.0	3	5	35	2
159	12	1	**51**	6	12	0.2	4	13	47	2
169	9	1	42	5	10	0.2	4	15	45	2
171	8	1	34	3	7	0.1	4	14	42	2
172	6	1	29	3	5	0.1	4	14	40	2
172b	6	1	28	3	5	0.1	3	14	40	2
172c	5	0	21	2	3	0.1	3	14	38	2
310	6	1	28	3	5	0.1	4	14	40	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
173	5	1	21	3	5	0.1	3	14	40	2
174	5	1	23	3	5	0.1	3	14	40	2
175	5	1	23	3	5	0.1	4	14	40	2
175b	5	1	23	3	6	0.1	4	14	40	2
175c	5	1	24	3	5	0.1	3	14	40	2
176	5	1	25	3	6	0.1	4	14	40	2
177	4	1	17	2	5	0.1	3	14	40	2
178	4	0	17	1	3	0.0	3	15	38	2
179	4	0	17	2	3	0.0	3	14	38	2
180	4	0	16	1	3	0.0	3	14	38	2
180b	3	0	15	1	2	0.0	3	15	37	2
180c	2	0	11	1	2	0.0	3	15	37	2
181	2	0	13	1	2	0.0	3	16	36	2
181c	3	0	14	1	2	0.0	3	15	37	2
182	2	0	10	1	1	0.0	3	16	36	2
189	3	0	13	2	3	0.1	3	13	38	2
190	3	0	14	2	3	0.1	3	13	38	2
191	3	0	12	1	3	0.1	3	13	38	2
192	3	0	13	2	3	0.1	3	13	38	2
193	2	0	11	1	3	0.1	3	13	38	2
193c	2	0	9	1	2	0.1	3	13	37	2
194	2	0	12	2	3	0.1	3	13	38	2
195	3	0	12	2	3	0.1	3	13	38	2
197	3	0	14	2	4	0.1	3	14	39	2
196	3	0	14	2	4	0.1	3	14	39	2
195d	3	0	15	2	4	0.1	3	14	39	2
198	4	1	17	2	5	0.2	3	15	40	2
198b	4	1	17	2	5	0.2	3	15	40	2
199	3	0	16	2	5	0.1	3	15	40	2
200	3	0	14	2	4	0.1	3	15	39	2
202	5	1	21	3	7	0.2	4	16	42	2
202b	4	1	17	3	6	0.2	4	16	41	2
203	5	1	22	4	8	0.2	4	16	42	2
203b	5	1	22	3	7	0.2	4	16	42	2
203c	5	1	22	4	8	0.2	4	16	42	2
206	5	1	25	6	13	0.3	7	15	48	2
207	6	1	28	7	15	0.3	7	14	50	2
212	5	1	22	6	12	0.2	7	12	47	2
212b	5	1	21	6	12	0.2	7	11	47	2
213	5	1	25	7	15	0.3	7	12	50	2
214	6	1	25	7	15	0.3	7	12	50	2
215	6	1	26	7	15	0.3	7	12	50	2
216	6	1	26	7	15	0.3	7	12	50	2
216b	6	1	26	7	15	0.3	7	12	50	2
217	6	2	26	7	15	0.3	7	13	50	2
218	6	2	26	7	15	0.3	7	12	50	2
219	6	2	26	7	15	0.3	7	12	50	2
220	6	2	26	7	15	0.3	7	12	51	2
221	6	2	27	7	15	0.3	7	13	51	2
222	6	2	27	7	15	0.3	7	13	51	2
223	6	2	27	7	16	0.3	7	13	51	2
223b	6	2	27	7	16	0.3	7	13	51	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
224	6	2	28	7	16	0.3	7	13	51	2
225	6	2	27	7	15	0.3	7	13	50	2
249	1	0	4	1	1	0.0	3	7	36	2
252	1	0	5	0	1	0.0	3	5	35	2
257	2	0	9	1	1	0.0	3	6	36	2
258a	2	0	12	1	1	0.0	3	5	36	2
258c	2	0	12	1	1	0.0	3	5	36	2
259	2	0	10	1	1	0.0	3	6	36	2
259b	2	0	10	1	1	0.0	3	5	36	2
260	2	0	9	1	1	0.0	3	6	36	2
260a	2	0	9	1	1	0.0	3	6	36	2
260b	2	0	9	1	1	0.0	3	6	36	2
261	2	0	7	1	1	0.0	3	6	36	2
261b	1	0	7	1	1	0.0	3	6	36	2
271	1	0	3	1	1	0.0	3	8	36	2
272b	1	0	4	1	2	0.1	3	6	37	2
272	1	0	4	1	2	0.1	3	6	37	2
273	1	0	3	1	1	0.1	3	8	36	2
273b	1	0	3	1	1	0.0	3	8	36	2
288	4	1	21	5	10	0.3	7	18	45	2
288b	4	1	21	5	10	0.3	7	18	45	2
289	5	1	23	6	12	0.3	7	19	47	2
292	1	0	4	0	1	0.0	3	6	36	2
292b	1	0	3	0	1	0.0	3	6	36	2
300	1	0	5	1	1	0.0	3	5	36	2
298	1	0	5	1	1	0.0	3	5	36	2
296a	1	0	6	1	1	0.0	3	5	36	2
296b	1	0	6	1	1	0.0	3	5	36	2
302a	1	0	5	0	1	0.0	3	5	36	2
302c	1	0	4	0	1	0.0	3	5	36	2
401	1	0	5	1	2	0.1	3	10	37	2
402	1	0	5	1	2	0.1	3	10	37	2
404	1	0	5	1	2	0.1	3	9	37	2
407	1	0	8	2	3	0.2	3	9	38	2
413b	1	0	4	1	1	0.0	3	10	36	2
415	1	0	3	1	1	0.0	3	9	36	2
417	0	0	3	1	1	0.0	3	9	36	2
418	0	0	2	0	1	0.0	3	9	36	2
418b	0	0	2	0	1	0.0	3	9	36	2
419	1	0	4	1	1	0.1	3	9	36	2
421	1	0	4	1	2	0.1	3	8	37	2
422a	4	1	19	4	10	0.2	4	15	44	2
436	2	0	9	1	2	0.0	3	15	36	2
437	2	0	9	1	2	0.0	3	15	36	2
441	2	0	8	1	1	0.0	3	16	36	2
442	1	0	2	0	0	0.0	3	14	35	2
443	2	0	8	1	1	0.0	3	16	36	2
451	1	0	6	1	1	0.0	3	13	36	2
452	2	0	8	1	2	0.1	3	12	37	2
453a	1	0	2	0	1	0.0	3	8	36	2
453b	1	0	2	0	1	0.0	3	8	36	2
454	0	0	2	0	1	0.0	3	8	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
455	0	0	2	0	0	0.0	3	9	35	2
456	0	0	2	0	1	0.0	3	9	35	2
456b	0	0	2	0	1	0.0	3	9	35	2
458	1	0	2	0	1	0.0	3	7	36	2
460	0	0	1	0	0	0.0	3	7	35	2
460b	0	0	1	0	0	0.0	3	7	35	2
461	0	0	1	0	0	0.0	3	7	35	2
462a	0	0	1	0	0	0.0	3	7	35	2
462b	0	0	1	0	0	0.0	3	7	35	2
462c	0	0	1	0	0	0.0	3	7	35	2
464	1	0	3	0	1	0.0	3	5	35	2
464b	1	0	3	0	1	0.0	3	5	35	2
465	1	0	3	0	0	0.0	3	5	35	2
466	1	0	4	0	1	0.0	3	5	35	2
467	1	0	4	0	1	0.0	3	5	36	2
467b	1	0	4	0	1	0.0	3	5	36	2
468a	1	0	2	0	0	0.0	3	5	35	2
468b	1	0	2	0	0	0.0	3	5	35	2
468c	1	0	3	0	0	0.0	3	5	35	2
468d	1	0	2	0	0	0.0	3	5	35	2
470	1	0	3	0	1	0.0	3	6	35	2
471	1	0	3	0	1	0.0	3	6	35	2
472a	1	0	3	0	1	0.0	3	6	35	2
472b	1	0	3	0	1	0.0	3	6	35	2
472c	1	0	3	0	1	0.0	3	6	35	2
474	1	0	3	0	1	0.0	3	5	35	2
475	1	0	4	0	1	0.0	3	5	36	2
475b	1	0	4	0	1	0.0	3	5	36	2
476	1	0	3	0	1	0.0	3	6	35	2
477a	1	0	3	0	1	0.0	3	6	35	2
477b	1	0	3	0	1	0.0	3	6	35	2
481	1	0	2	0	0	0.0	3	6	35	2
483	1	0	2	0	0	0.0	3	6	35	2
484	1	0	3	0	0	0.0	3	6	35	2
485a	1	0	2	0	0	0.0	3	7	35	2
485b	1	0	2	0	0	0.0	3	7	35	2
485c	0	0	2	0	0	0.0	3	7	35	2
485d	0	0	2	0	0	0.0	3	7	35	2
485e	0	0	2	0	0	0.0	3	7	35	2
485f	1	0	2	0	0	0.0	3	7	35	2
487	2	0	6	1	1	0.0	3	4	36	2
488a	2	0	7	1	2	0.0	3	3	36	2
488b	2	0	8	1	2	0.0	3	3	36	2
515a	1	0	5	0	1	0.0	3	13	36	2
515b	1	0	4	0	1	0.0	3	13	35	2
516	1	0	3	0	1	0.0	3	13	35	2
517	1	0	3	0	1	0.0	3	12	36	2
518	1	0	4	0	1	0.0	3	10	36	2
519	1	0	3	0	1	0.0	3	13	35	2
522a	2	0	8	1	3	0.1	3	12	38	2
522b	4	1	19	4	9	0.3	6	18	43	2
522c	4	1	19	4	8	0.3	6	18	43	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
522d	4	1	19	4	8	0.3	6	18	43	2
526	6	1	26	6	12	0.3	7	19	47	2
527	4	1	20	5	11	0.3	7	19	46	2
528	4	1	20	5	11	0.3	7	19	46	2
529	4	1	20	5	10	0.3	7	19	45	2
530	4	1	20	5	10	0.3	7	19	45	2
531	4	1	20	5	10	0.3	7	19	45	2
531b	4	1	20	5	10	0.3	7	19	45	2
532	4	1	20	5	10	0.3	7	19	45	2
533	4	1	20	5	10	0.3	7	19	45	2
534	4	1	20	5	10	0.3	7	18	45	2
535	4	1	20	5	10	0.3	7	19	45	2
536	4	1	20	5	10	0.3	7	18	45	2
537	4	1	20	5	10	0.3	7	18	45	2
538	5	1	21	5	10	0.3	7	18	45	2
539	4	1	21	5	10	0.3	7	18	45	2
541	4	1	20	5	10	0.3	7	18	45	2
542	4	1	20	5	10	0.3	7	18	45	2
543	4	1	21	5	10	0.3	7	18	45	2
543b	4	1	21	5	10	0.3	7	18	45	2
544	4	1	21	5	10	0.3	7	18	45	2
545	4	1	21	5	10	0.3	7	18	45	2
547	2	0	11	1	3	0.1	3	13	38	2
549	1	0	3	1	1	0.0	4	8	37	2
550	1	0	4	1	1	0.0	4	9	39	2
552	1	0	3	1	1	0.0	3	8	37	2
553	1	0	4	1	1	0.0	5	11	43	2
554	1	0	4	1	2	0.0	4	9	37	2
557	1	0	4	1	1	0.0	5	10	40	2
559	1	0	4	1	1	0.0	4	9	39	2
560	1	0	4	1	1	0.0	4	9	39	2
561	1	0	4	1	1	0.0	4	9	38	2
562	1	0	4	1	1	0.0	4	9	38	2
563	1	0	3	1	1	0.0	4	9	37	2
564	1	0	3	1	1	0.0	4	8	37	2
565	1	0	3	1	1	0.0	4	8	37	2
566	1	0	3	1	1	0.0	3	8	37	2
569	1	0	3	1	1	0.0	3	8	37	2
570	1	0	3	1	1	0.0	3	8	37	2
571	1	0	4	1	2	0.0	3	8	37	2
572	1	0	3	1	1	0.0	3	8	37	2
573	1	0	4	1	1	0.0	3	8	37	2
574	1	0	4	1	2	0.0	3	8	37	2
575	1	0	4	1	2	0.0	3	8	37	2
576	1	0	4	1	2	0.0	3	8	37	2
577a	1	0	4	1	2	0.0	3	8	37	2
577b	1	0	4	1	2	0.0	3	8	37	2
578	1	0	4	1	2	0.0	3	8	37	2
583	1	0	4	0	1	0.0	3	9	36	2
586	1	0	3	0	1	0.0	3	13	35	2
587a	1	0	3	0	0	0.0	3	14	35	2
587b	1	0	3	0	0	0.0	3	14	35	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
588	1	0	3	0	0	0.0	3	13	35	2
600a	4	1	20	5	10	0.3	7	18	45	2
600b	4	1	20	5	10	0.3	7	18	45	2
601	4	1	20	5	10	0.3	7	18	45	2
602	4	1	20	5	10	0.3	7	18	45	2
603	4	1	20	5	10	0.3	7	18	45	2
604	4	1	20	5	10	0.3	7	18	45	2
605	4	1	20	5	9	0.3	7	18	45	2
606	4	1	20	5	9	0.3	7	18	45	2
607	4	1	20	4	9	0.3	7	18	44	2
608	4	1	20	4	9	0.3	7	18	44	2
609	4	1	20	4	9	0.3	7	18	44	2
610	4	1	20	4	9	0.3	6	18	44	2
611	4	1	20	4	9	0.3	6	18	44	2
612	4	1	20	4	9	0.3	7	18	44	2
613	4	1	20	4	9	0.3	6	18	44	2
614	4	1	20	4	9	0.3	6	18	44	2
615	4	1	20	4	9	0.3	6	18	44	2
616a	4	1	18	4	9	0.3	6	18	44	2
616b	4	1	20	4	9	0.3	6	18	44	2
617a	4	1	19	4	9	0.3	6	18	44	2
618a	4	1	19	4	9	0.3	6	18	44	2
618b	4	1	19	4	9	0.3	6	18	44	2
619	4	1	19	4	9	0.3	6	18	44	2
621	4	1	19	4	9	0.3	6	18	44	2
622a	4	1	19	4	9	0.3	6	18	44	2
623a	2	0	10	1	1	0.0	6	16	36	2
623b	4	1	19	4	9	0.3	6	18	44	2
630a	4	1	18	4	8	0.3	6	18	43	2
631	4	1	18	4	8	0.3	6	18	43	2
632	4	1	18	4	8	0.3	6	18	43	2
648	4	1	18	4	9	0.3	6	18	44	2
649	4	1	18	4	9	0.3	6	18	44	2
650	4	1	19	4	9	0.3	6	18	44	2
651	4	1	18	4	9	0.3	6	18	44	2
652	4	1	19	4	9	0.3	6	18	44	2
653	4	1	19	4	9	0.3	6	18	44	2
654a	4	1	19	4	9	0.3	6	18	44	2
654b	4	1	19	4	9	0.3	6	18	44	2
655	4	1	19	4	9	0.3	6	18	44	2
658a	4	1	19	4	9	0.3	6	18	44	2
659	4	1	19	4	9	0.3	6	18	44	2
660a	4	1	19	4	9	0.3	6	18	44	2
660b	4	1	19	4	9	0.3	6	18	44	2
661	4	1	19	4	9	0.3	6	18	44	2
662	4	1	19	4	9	0.3	6	18	44	2
663	4	1	19	4	9	0.3	6	18	44	2
664	4	1	19	5	9	0.3	6	18	44	2
665a	4	1	20	5	10	0.3	7	18	45	2
665b	4	1	20	5	10	0.3	7	18	45	2
667a	5	1	22	6	12	0.3	7	19	47	2
667b	5	1	22	5	12	0.3	7	19	47	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
667c	5	1	22	6	12	0.3	7	19	47	2
667d	5	1	22	6	12	0.3	7	19	47	2
667e	5	1	22	5	12	0.3	7	19	47	2
667f	4	1	18	4	8	0.3	6	17	43	2
669	4	1	20	5	10	0.3	7	18	45	2
671	4	1	20	5	10	0.3	7	18	45	2
672	4	1	20	5	10	0.3	7	18	45	2
673	4	1	20	5	10	0.3	7	18	45	2
675	4	1	19	5	10	0.3	7	18	45	2
676	4	1	19	5	10	0.3	7	18	45	2
677	4	1	19	5	10	0.3	7	18	45	2
678	4	1	19	5	10	0.3	7	18	45	2
679	4	1	19	5	10	0.3	6	18	45	2
680	4	1	19	5	10	0.3	6	18	45	2
681	4	1	19	5	10	0.3	6	18	45	2
682a	4	1	19	4	9	0.3	6	18	44	2
682b	4	1	19	4	9	0.3	6	18	44	2
683	4	1	18	4	9	0.3	6	18	44	2
684	4	1	18	4	9	0.3	6	18	44	2
685	4	1	18	4	9	0.3	6	18	44	2
686	4	1	18	4	9	0.3	6	18	44	2
687	4	1	18	4	9	0.3	6	18	44	2
688	4	1	18	4	9	0.3	6	18	44	2
689	4	1	19	5	9	0.3	6	18	44	2
690	4	1	19	4	9	0.3	6	18	44	2
691	4	1	19	4	9	0.3	6	18	44	2
692	4	1	19	4	9	0.3	6	18	44	2
693	4	1	18	4	9	0.3	6	18	44	2
694a	4	1	18	4	9	0.3	6	18	44	2
694b	4	1	18	4	9	0.3	6	18	44	2
695	4	1	18	4	9	0.3	6	18	44	2
697	4	1	18	4	9	0.3	6	18	44	2
698	4	1	18	4	9	0.3	6	18	44	2
715	2	0	11	1	1	0.0	3	16	36	2
728	4	1	17	4	9	0.3	6	18	44	2
729	4	1	18	4	9	0.3	6	18	44	2
730	4	1	18	4	9	0.3	6	18	44	2
731	4	1	18	4	9	0.3	6	18	44	2
732	4	1	18	4	9	0.3	6	18	44	2
733	4	1	18	4	9	0.3	6	18	44	2
735a	4	1	17	4	9	0.3	6	18	44	2
735b	4	1	17	4	9	0.3	6	18	44	2
736	4	1	17	4	9	0.3	6	18	44	2
737	4	1	17	4	9	0.3	6	18	44	2
738	4	1	17	4	9	0.3	6	18	44	2
739	4	1	17	4	9	0.3	6	18	44	2
740a	4	1	17	4	9	0.3	6	18	44	2
740b	4	1	17	4	9	0.3	6	18	44	2
740c	4	1	17	4	9	0.3	6	18	44	2
740d	4	1	17	4	9	0.3	6	18	44	2
740e	4	1	17	4	9	0.3	6	18	44	2
740f	4	1	17	4	9	0.3	6	18	44	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
741	4	1	18	4	9	0.3	6	18	44	2
742	4	1	18	4	9	0.3	6	18	44	2
743	4	1	18	4	9	0.3	6	18	44	2
744	4	1	18	4	9	0.3	6	18	44	2
745	4	1	18	4	9	0.3	6	18	44	2
746	4	1	17	4	9	0.3	6	18	44	2
747	4	1	17	4	9	0.3	6	18	44	2
748a	4	1	17	4	9	0.3	6	18	44	2
748b	3	1	14	2	5	0.2	6	16	40	2
749a	4	1	18	4	9	0.3	6	18	44	2
749b	4	1	18	4	9	0.3	6	18	44	2
750	4	1	18	4	9	0.3	6	18	44	2
751	4	1	18	4	9	0.3	6	18	44	2
752a	4	1	18	4	9	0.3	6	18	44	2
752b	4	1	18	4	9	0.3	6	18	44	2
753	4	1	18	4	9	0.3	6	18	44	2
754	4	1	18	4	9	0.3	6	18	44	2
755	4	1	19	5	10	0.3	6	18	45	2
756	4	1	19	5	10	0.3	6	18	45	2
757	4	1	19	5	10	0.3	6	18	45	2
758	4	1	19	5	10	0.3	6	18	45	2
759a	4	1	19	5	10	0.3	6	18	45	2
759b	4	1	19	5	10	0.3	6	18	45	2
760	4	1	19	5	10	0.3	7	18	45	2
761	4	1	19	5	10	0.3	7	18	45	2
762	4	1	19	5	10	0.3	7	18	45	2
763	4	1	19	5	10	0.3	7	18	45	2
764	4	1	19	5	10	0.3	7	18	45	2
765a	4	1	19	5	10	0.3	7	18	45	2
765b	4	1	19	5	10	0.3	7	18	45	2
766	4	1	19	5	10	0.3	7	18	45	2
767	4	1	19	5	10	0.3	7	18	45	2
768	4	1	19	5	10	0.3	7	18	45	2
769	4	1	19	5	10	0.3	6	18	45	2
770	4	1	19	5	10	0.3	7	19	45	2
771	4	1	19	5	10	0.3	7	19	45	2
772	4	1	19	5	10	0.3	7	19	45	2
773	4	1	19	5	10	0.3	7	19	45	2
774	4	1	19	5	10	0.3	7	18	45	2
775	4	1	19	5	10	0.3	7	18	45	2
776	4	1	20	5	10	0.3	7	19	45	2
777	4	1	19	5	10	0.3	7	19	45	2
778a	4	1	20	5	10	0.3	7	19	45	2
778b	4	1	20	5	10	0.3	7	19	45	2
779a	4	1	19	5	10	0.3	7	19	45	2
779b	4	1	19	5	10	0.3	6	18	45	2
780	4	1	20	5	10	0.3	7	19	45	2
781	4	1	20	5	10	0.3	7	19	45	2
782	4	1	20	5	10	0.3	7	19	45	2
783	4	1	20	5	10	0.3	7	19	45	2
784	4	1	18	4	9	0.3	6	18	44	2
785	4	1	18	4	9	0.3	6	18	44	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
786	4	1	18	4	9	0.3	6	18	44	2
787a	4	1	18	4	9	0.3	6	18	44	2
787b	4	1	18	4	9	0.3	6	18	44	2
788	4	1	18	4	9	0.3	6	18	44	2
789	4	1	18	4	9	0.3	6	18	44	2
790a	4	1	18	4	9	0.3	6	18	44	2
790b	4	1	18	4	9	0.3	6	18	44	2
791a	4	1	18	4	9	0.3	6	18	44	2
791b	4	1	18	4	9	0.3	6	18	44	2
792a	4	1	18	5	10	0.3	6	18	45	2
792b	4	1	18	4	9	0.3	6	18	44	2
793	4	1	18	4	9	0.3	6	18	44	2
794	4	1	18	4	9	0.3	6	18	44	2
795	4	1	18	4	9	0.3	6	18	44	2
796	4	1	18	4	9	0.3	6	18	44	2
797a	4	1	18	5	9	0.3	6	18	44	2
797b	4	1	19	5	10	0.3	6	18	45	2
798	4	1	19	5	10	0.3	6	18	45	2
801	4	1	19	5	10	0.3	6	18	45	2
802	4	1	19	5	10	0.3	6	18	45	2
803a	4	1	19	4	9	0.3	6	18	44	2
803b	4	1	19	4	9	0.3	6	18	44	2
804	4	1	18	4	9	0.3	6	18	44	2
805	4	1	18	4	9	0.3	6	18	44	2
806	4	1	18	4	9	0.3	6	18	44	2
807	4	1	18	4	9	0.3	6	18	44	2
808	4	1	18	4	9	0.3	6	18	43	2
809	4	1	18	4	9	0.3	6	18	44	2
810	4	1	18	4	9	0.3	6	18	44	2
811	4	1	18	4	9	0.3	6	18	44	2
812	4	1	18	4	9	0.3	6	18	44	2
813	4	1	18	4	9	0.3	6	18	44	2
814	4	1	18	4	9	0.3	6	18	44	2
815a	4	1	19	4	9	0.3	6	18	44	2
815b	4	1	18	4	9	0.3	6	18	44	2
816	4	1	19	4	9	0.3	6	18	44	2
817	4	1	19	4	9	0.3	6	18	43	2
819	4	1	18	4	8	0.3	6	17	43	2
820a	4	1	18	4	8	0.3	6	17	43	2
820b	4	1	18	4	8	0.3	6	17	43	2
821	4	1	18	4	8	0.3	6	17	43	2
822	4	1	18	4	8	0.3	6	17	43	2
823a	4	1	18	4	8	0.3	6	17	43	2
823b	4	1	18	4	8	0.3	6	17	43	2
824	4	1	18	4	8	0.3	6	17	43	2
825	4	1	18	4	8	0.3	6	17	43	2
826	4	1	18	4	8	0.3	6	17	43	2
827	4	1	18	4	8	0.3	6	17	43	2
828	4	1	18	4	8	0.3	6	17	43	2
829a	4	1	18	4	8	0.3	6	17	42	2
829b	4	1	18	4	8	0.3	6	17	42	2
830	4	1	17	4	7	0.2	6	17	42	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
831	4	1	17	4	7	0.2	6	17	42	2
832	4	1	17	4	7	0.2	6	17	42	2
833	4	1	17	3	7	0.2	6	17	42	2
834	4	1	17	3	7	0.2	6	17	42	2
835	4	1	17	3	7	0.2	6	17	42	2
836	4	1	17	3	7	0.2	6	17	42	2
837	4	1	17	3	7	0.2	6	17	42	2
838	4	1	17	3	7	0.2	6	17	42	2
839	4	1	17	3	7	0.2	6	17	42	2
840	4	1	17	3	7	0.2	6	17	42	2
841	4	1	17	3	7	0.2	6	17	42	2
843a	4	1	16	3	7	0.2	6	16	42	2
843b	4	1	17	3	7	0.2	6	17	42	2
844a	3	1	16	3	6	0.2	6	16	41	2
845	3	1	15	3	6	0.2	6	16	41	2
846	3	1	15	3	6	0.2	6	16	41	2
847	3	1	15	3	6	0.2	6	16	41	2
848	3	1	15	3	6	0.2	6	16	41	2
849	3	1	15	3	6	0.2	6	16	41	2
850	3	1	15	3	6	0.2	6	16	41	2
853	3	1	14	3	6	0.2	6	16	41	2
854	3	1	14	3	6	0.2	6	16	40	2
855	3	1	14	3	6	0.2	6	16	40	2
856	3	1	14	3	5	0.2	6	16	40	2
857	3	1	14	3	5	0.2	6	16	40	2
858	3	1	14	3	5	0.2	6	16	40	2
859	3	1	14	3	5	0.2	6	16	40	2
860	3	1	14	3	5	0.2	6	16	40	2
861	3	1	14	3	5	0.2	6	16	40	2
862	3	1	14	2	5	0.2	6	16	40	2
863	3	1	13	2	5	0.2	6	16	40	2
864	3	1	13	2	5	0.2	6	16	40	2
865	3	1	13	2	5	0.2	6	16	40	2
866	3	0	13	2	5	0.2	6	16	40	2
867	3	0	13	2	5	0.2	6	16	40	2
868	3	0	13	2	5	0.2	6	16	40	2
870	3	0	13	2	5	0.2	6	16	40	2
871	3	0	13	2	5	0.1	6	16	39	2
872a	3	0	13	2	5	0.1	6	16	39	2
900a	2	0	10	1	1	0.0	3	16	36	2
900b	2	0	11	1	1	0.0	3	16	36	2
901	2	0	12	1	1	0.0	3	16	36	2
902	2	0	12	1	1	0.0	3	16	36	2
903	2	0	12	1	1	0.0	3	16	36	2
904	2	0	12	1	1	0.0	3	16	36	2
905	2	0	12	1	1	0.0	3	16	36	2
906	2	0	12	1	1	0.0	3	16	36	2
907	2	0	12	1	1	0.0	3	16	36	2
908	2	0	12	1	1	0.0	3	16	36	2
909	2	0	12	1	1	0.0	3	16	36	2
911	2	0	12	1	1	0.0	3	16	36	2
912	2	0	12	1	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
913	2	0	12	1	1	0.0	3	16	36	2
914	2	0	11	1	1	0.0	3	16	36	2
915	2	0	11	1	1	0.0	3	16	36	2
916	2	0	11	1	1	0.0	3	16	36	2
917	2	0	11	1	1	0.0	3	16	36	2
918	2	0	11	1	1	0.0	3	16	36	2
919	2	0	11	1	1	0.0	3	16	36	2
920	2	0	11	1	1	0.0	3	16	36	2
921	2	0	11	1	1	0.0	3	16	36	2
922	2	0	12	1	1	0.0	3	16	36	2
924	2	0	12	1	1	0.0	3	16	36	2
925	2	0	12	1	1	0.0	3	16	36	2
926	2	0	12	1	1	0.0	3	16	36	2
927	2	0	12	1	1	0.0	3	16	36	2
928	2	0	12	1	1	0.0	3	16	36	2
929	2	0	12	1	1	0.0	3	16	36	2
930	2	0	12	1	1	0.0	3	16	36	2
931	2	0	12	1	1	0.0	3	16	36	2
932a	2	0	11	1	1	0.0	3	16	36	2
932b	2	0	11	1	1	0.0	3	16	36	2
933	2	0	12	1	1	0.0	3	16	36	2
934	2	0	11	1	1	0.0	3	16	36	2
935a	2	0	11	1	1	0.0	3	16	36	2
935b	2	0	11	1	1	0.0	3	16	36	2
936	2	0	11	1	1	0.0	3	16	36	2
937	2	0	11	1	1	0.0	3	16	36	2
938	2	0	11	1	1	0.0	3	16	36	2
939	2	0	11	1	1	0.0	3	16	36	2
940	2	0	11	1	1	0.0	3	16	36	2
941	2	0	11	1	1	0.0	3	16	36	2
942	2	0	11	1	1	0.0	3	16	36	2
943	2	0	11	1	1	0.0	3	16	36	2
944	2	0	11	1	1	0.0	3	16	36	2
945a	2	0	11	1	1	0.0	3	16	36	2
945b	2	0	11	1	1	0.0	3	16	36	2
946	2	0	11	1	1	0.0	3	16	36	2
947	2	0	11	1	1	0.0	3	16	36	2
948	2	0	10	1	1	0.0	3	16	36	2
949	2	0	11	1	1	0.0	3	16	36	2
950	2	0	11	1	1	0.0	3	16	36	2
951	2	0	11	1	1	0.0	3	16	36	2
952	2	0	11	1	1	0.0	3	16	36	2
953	2	0	10	1	1	0.0	3	16	36	2
954	2	0	10	1	1	0.0	3	16	36	2
955	2	0	10	1	1	0.0	3	16	36	2
956	2	0	10	1	1	0.0	3	16	36	2
957a	2	0	11	1	1	0.0	3	16	36	2
957b	2	0	10	1	1	0.0	3	16	36	2
958	2	0	10	1	1	0.0	3	16	36	2
959	2	0	10	1	1	0.0	3	16	36	2
960	2	0	10	1	1	0.0	3	16	36	2
961	2	0	10	1	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
962	2	0	10	1	1	0.0	3	16	36	2
963	2	0	10	1	1	0.0	3	16	36	2
964	2	0	10	1	1	0.0	3	16	36	2
965	2	0	9	1	1	0.0	3	16	36	2
966	2	0	9	1	1	0.0	3	16	36	2
967a	2	0	9	1	1	0.0	3	16	36	2
967b	2	0	9	1	1	0.0	3	16	36	2
968	2	0	9	1	1	0.0	3	16	36	2
969	2	0	9	1	1	0.0	3	16	36	2
970	2	0	9	1	1	0.0	3	16	36	2
971	2	0	9	1	1	0.0	3	16	36	2
972	2	0	9	1	1	0.0	3	16	36	2
973	2	0	9	1	1	0.0	3	16	36	2
974	2	0	9	1	1	0.0	3	16	36	2
976	2	0	9	1	1	0.0	3	16	36	2
977a	2	0	11	1	1	0.0	3	16	36	2
977b	2	0	10	1	1	0.0	3	16	36	2
978	2	0	9	1	1	0.0	3	16	36	2
979a	2	0	10	1	1	0.0	3	16	36	2
979b	2	0	9	1	1	0.0	3	16	36	2
980	2	0	9	1	1	0.0	3	16	36	2
981a	2	0	9	1	1	0.0	3	16	36	2
981b	2	0	9	1	1	0.0	3	16	36	2
982	2	0	10	1	1	0.0	3	16	36	2
983	2	0	10	1	1	0.0	3	16	36	2
984	2	0	10	1	1	0.0	3	16	36	2
985	2	0	10	1	1	0.0	3	16	36	2
986	2	0	10	1	1	0.0	3	16	36	2
987	2	0	10	1	1	0.0	3	16	36	2
988a	2	0	10	1	1	0.0	3	16	36	2
988b	2	0	10	1	1	0.0	3	16	36	2
989a	2	0	11	1	1	0.0	3	16	36	2
989b	2	0	11	1	1	0.0	3	16	36	2
990	2	0	11	1	1	0.0	3	16	36	2
991	2	0	11	1	1	0.0	3	16	36	2
992	2	0	11	1	1	0.0	3	16	36	2
993a	2	0	10	1	1	0.0	3	16	36	2
993b	2	0	10	1	1	0.0	3	16	36	2
994a	2	0	11	1	1	0.0	3	16	36	2
994b	2	0	11	1	1	0.0	3	16	36	2
995	2	0	11	1	1	0.0	3	16	36	2
997	2	0	11	1	1	0.0	3	16	36	2
998	2	0	11	1	1	0.0	3	16	36	2
999	2	0	11	1	1	0.0	3	16	36	2
1000	2	0	11	1	1	0.0	3	16	36	2
1001	2	0	11	1	1	0.0	3	16	36	2
1002	2	0	11	1	1	0.0	3	16	36	2
1003	2	0	11	1	1	0.0	3	16	36	2
1004	2	0	11	1	1	0.0	3	16	36	2
1005	2	0	11	1	1	0.0	3	16	36	2
1006	2	0	11	1	1	0.0	3	16	36	2
1007	2	0	11	1	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
1008	2	0	11	1	1	0.0	3	16	36	2
1009	2	0	11	1	1	0.0	3	16	36	2
1010	2	0	11	1	1	0.0	3	16	36	2
1011	2	0	11	1	1	0.0	3	16	36	2
1012	2	0	11	1	1	0.0	3	16	36	2
1014	2	0	11	1	1	0.0	3	16	36	2
1015	2	0	11	1	1	0.0	3	16	36	2
1016	2	0	11	1	1	0.0	3	16	36	2
1017	2	0	11	1	1	0.0	3	16	36	2
1018	2	0	11	1	1	0.0	3	16	36	2
1019	2	0	11	1	1	0.0	3	16	36	2
1020	2	0	11	1	1	0.0	3	16	36	2
1021	2	0	11	1	1	0.0	3	16	36	2
1022	2	0	11	1	1	0.0	3	16	36	2
1023	2	0	10	1	1	0.0	3	16	36	2
1024	2	0	10	1	1	0.0	3	16	36	2
1025	2	0	10	1	1	0.0	3	16	36	2
1026	2	0	11	1	1	0.0	3	16	36	2
1027	2	0	10	1	1	0.0	3	16	36	2
1028	2	0	10	1	1	0.0	3	16	36	2
1029	2	0	10	1	1	0.0	3	16	36	2
1030	2	0	10	1	1	0.0	3	16	36	2
1031	2	0	10	1	1	0.0	3	16	36	2
1032	2	0	10	1	1	0.0	3	16	36	2
1033	2	0	10	1	1	0.0	3	16	36	2
1034	2	0	10	1	1	0.0	3	16	36	2
1035	2	0	10	1	1	0.0	3	16	36	2
1036a	2	0	9	1	1	0.0	3	16	36	2
1036b	2	0	10	1	1	0.0	3	16	36	2
1037	2	0	10	1	1	0.0	3	16	36	2
1038	2	0	10	1	1	0.0	3	16	36	2
1039	2	0	10	1	1	0.0	3	16	36	2
1040	2	0	10	1	1	0.0	3	16	36	2
1041	2	0	10	1	1	0.0	3	16	36	2
1042	2	0	10	1	1	0.0	3	16	36	2
1043	2	0	10	1	1	0.0	3	16	36	2
1044	2	0	10	1	1	0.0	3	16	36	2
1045	2	0	9	1	1	0.0	3	16	36	2
1046	2	0	9	1	1	0.0	3	16	36	2
1077	2	0	8	1	1	0.0	3	16	36	2
1078	1	0	7	1	1	0.0	3	16	36	2
1079	1	0	7	1	1	0.0	3	16	36	2
1080	1	0	7	1	1	0.0	3	16	36	2
1081	1	0	8	1	1	0.0	3	16	36	2
1082a	2	0	8	1	1	0.0	3	16	36	2
1082b	2	0	8	1	1	0.0	3	16	36	2
1100a	1	0	2	0	0	0.0	3	6	35	2
1100b	1	0	2	0	0	0.0	3	6	35	2
Mine-owned receptors										
23	7	2	34	9	19	0.4	5	16	54	2
68	6	2	29	7	15	0.4	5	19	50	2
80a	6	1	25	6	12	0.3	7	19	47	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
135	11	2	46	8	19	0.5	5	17	54	2
135b	11	2	47	8	19	0.5	5	17	54	2
139	6	1	25	4	9	0.3	4	14	44	2
158	13	1	**57**	6	13	0.2	4	13	48	2
231	6	1	26	6	12	0.3	7	19	47	2
263	3	0	16	1	2	0.0	3	5	36	2
1p	9	2	40	9	19	0.5	5	19	54	2
1z	10	1	43	6	13	0.3	4	13	48	2
1ab	11	1	47	6	14	0.3	4	13	49	2
1ac	7	2	34	9	19	0.4	5	17	54	2
1ad	2	0	11	3	5	0.4	3	9	40	2
1ae	9	2	44	11	25	0.5	6	19	60	2
1af	7	2	31	8	18	0.4	5	19	53	2
1ag	7	2	31	8	17	0.4	5	19	53	2
1ah	7	2	31	7	16	0.4	5	20	51	2
1ai	7	2	31	7	16	0.4	5	20	51	2
1aj	7	2	31	7	16	0.4	5	20	51	2
1ak	7	2	31	7	16	0.4	5	20	51	2
1al	7	2	31	7	15	0.4	5	20	51	2
1am	7	2	33	7	15	0.4	5	20	50	2
1ar	8	2	38	8	18	0.5	5	20	53	2
1as	8	2	38	8	18	0.5	5	19	53	2
1aw	9	2	41	9	20	0.5	5	20	55	2
1ax	9	2	40	9	19	0.5	5	19	54	2
1bb	8	2	36	9	19	0.5	5	20	54	2
1bc	9	2	40	9	19	0.5	5	19	54	2
1bd	2	0	8	2	4	0.2	3	8	39	2
1bf	16	2	**67**	10	24	0.7	5	17	59	3
1bg	15	2	**62**	10	22	0.6	5	17	56	3
2i	7	2	33	9	19	0.4	5	19	54	2
246	2	0	9	1	2	0.0	3	4	37	2
246b	2	0	9	1	2	0.0	3	4	37	2
2b	15	4	**67**	17	37	0.7	7	21	73	3
2d	5	1	22	5	11	0.3	4	18	46	2
2e	12	3	**55**	14	31	0.7	6	20	66	3
2f	17	4	**79**	20	44	0.9	7	24	79	3
2n	2	0	10	1	2	0.0	3	4	37	2
2o	2	0	8	1	2	0.0	3	5	37	2
2p	2	0	8	1	2	0.0	3	6	37	2
2r	2	0	8	1	2	0.0	3	6	37	2
2s	2	0	8	1	2	0.0	3	6	37	2
2w	2	0	8	1	2	0.0	3	6	37	2
2x	7	2	31	8	18	0.3	5	12	54	2
2y	7	2	32	9	19	0.3	5	12	54	2
2z	7	2	32	9	19	0.3	5	12	54	2
2aa	7	2	33	9	20	0.4	5	13	55	2
2ab	7	2	32	9	19	0.3	5	12	54	2
2ad	7	2	33	9	19	0.3	5	13	55	2
2af	7	2	33	9	19	0.3	5	13	54	2
2ai	11	3	**51**	13	29	0.5	6	16	64	2
2aj	8	2	37	9	21	0.4	5	16	56	2
2al	15	4	**69**	17	38	0.7	7	21	74	3

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
2am	7	2	32	9	19	0.3	5	13	54	2
2an	2	0	8	1	2	0.0	3	6	37	2
2ao	2	0	8	1	2	0.0	3	6	37	2
7	6	2	27	7	16	0.3	5	10	51	2
211	5	1	21	5	12	0.2	7	11	47	2
299	1	0	5	1	1	0.0	3	5	36	2
487b	2	0	6	1	1	0.0	3	4	36	2
5f	6	2	28	8	17	0.3	5	10	52	2
5g	6	2	29	8	17	0.3	5	11	53	2
5i	1	0	5	1	1	0.0	3	5	36	2
5j	1	0	3	0	1	0.0	3	6	35	2
5k	1	0	5	1	1	0.0	3	5	36	2
5l	1	0	6	1	1	0.0	3	4	36	2
5m	2	0	9	1	2	0.0	3	2	37	2
5p	2	0	9	1	2	0.0	3	2	37	2
5r	4	1	16	3	6	0.1	4	4	41	2
5t	4	1	17	4	8	0.1	4	5	43	2
5v	1	0	5	0	1	0.0	3	6	36	2
5x	1	0	5	0	1	0.0	3	6	36	2
5y	3	1	16	4	8	0.1	4	5	44	2
5z	3	1	16	4	8	0.1	4	5	44	2
5aa	3	1	16	4	9	0.1	4	5	44	2
5ab	3	1	13	4	7	0.1	4	6	43	2
5ad	3	1	13	4	8	0.1	4	6	43	2
5af	3	1	13	4	7	0.1	4	6	43	2
5ag	1	0	3	0	1	0.0	3	5	36	2
5ah	1	0	3	0	1	0.0	3	6	35	2
5ai	1	0	4	0	1	0.0	3	5	36	2
5aj	1	0	6	1	1	0.0	3	3	36	2
5ak	1	0	6	1	1	0.0	3	3	36	2
5al	1	0	3	0	1	0.0	3	6	36	2
5am	3	0	11	2	3	0.0	3	2	38	2
3a	2	0	10	1	3	0.0	3	13	37	2
3b	2	0	11	1	3	0.0	3	13	37	2
3c	10	1	42	5	10	0.2	4	13	45	2
3d	2	0	10	1	2	0.0	3	13	37	2
3e	2	0	10	1	2	0.0	3	13	37	2
3f	2	0	11	1	2	0.0	3	13	37	2
3g	9	1	40	4	9	0.2	4	13	44	2
3i	3	0	14	2	3	0.0	3	13	38	2
3j	2	0	9	1	2	0.0	3	14	36	2
3k	11	1	48	5	10	0.2	4	14	45	2
3m	11	2	**54**	12	28	0.7	5	20	63	3
3n	5	1	22	2	4	0.1	3	14	39	2
3o	9	2	40	8	20	0.6	5	17	55	2
3p	9	2	41	9	22	0.7	5	18	57	3
3r	4	1	20	4	10	0.2	4	15	44	2
3s	4	1	21	5	11	0.3	4	15	46	2
3t	10	1	46	5	10	0.2	4	14	45	2
3u	10	1	43	4	9	0.1	4	14	44	2
3v	24	2	**108**	11	26	0.4	5	18	61	2
274	1	0	3	1	1	0.0	3	8	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
416	0	0	2	0	1	0.0	3	9	36	2
463	0	0	1	0	0	0.0	3	7	35	2
7b	1	0	2	0	0	0.0	3	5	35	2
7c	1	0	2	0	0	0.0	3	5	35	2
7d	1	0	5	0	0	0.0	3	5	35	2
7e	1	0	2	0	0	0.0	3	5	35	2
7f	0	0	2	0	0	0.0	3	6	35	2
7g	0	0	2	0	1	0.0	3	7	35	2
7h	1	0	2	1	1	0.0	3	8	36	2
7i	1	0	2	0	1	0.0	3	8	36	2
7j	1	0	3	1	1	0.0	3	7	36	2
7k	1	0	5	1	2	0.1	3	9	37	2
7l	1	0	2	0	0	0.0	3	5	35	2
7m	1	0	3	1	1	0.0	3	7	36	2
7n	1	0	5	1	2	0.1	3	9	36	2
7o	1	0	4	1	1	0.0	3	8	36	2
8b	1	0	2	0	0	0.0	3	6	35	2
8c	1	0	2	0	0	0.0	3	6	35	2
8e	1	0	2	0	0	0.0	3	4	35	2
8f	1	0	3	0	0	0.0	3	4	35	2
8h	1	0	2	0	0	0.0	3	5	35	2
8i	0	0	1	0	0	0.0	3	6	35	2
8j	1	0	2	0	0	0.0	3	6	35	2
8k	1	0	2	0	0	0.0	3	4	35	2
8l	1	0	2	0	0	0.0	3	6	35	2
8m	1	0	2	0	0	0.0	3	5	35	2
8n	0	0	1	0	0	0.0	3	6	35	2
8o	1	0	3	0	0	0.0	3	4	35	2
8p	1	0	3	0	0	0.0	3	4	35	2
Mal1	1	0	4	1	2	0.0	6	12	43	2
Mal2	1	0	4	1	1	0.0	4	9	38	2
Mal3	1	0	4	1	2	0.0	4	10	40	2
Council/ State-owned receptors										
286e	1	0	3	1	1	0.0	3	8	37	2
286f	1	0	3	1	1	0.0	3	8	37	2
N1	2	0	10	1	1	0.0	3	16	36	2
N2	2	0	10	1	1	0.0	3	16	36	2
N3	2	0	10	1	1	0.0	3	16	36	2
N4	2	0	10	1	1	0.0	3	16	36	2
N5	2	0	10	1	1	0.0	3	16	36	2
N6	2	0	10	1	1	0.0	3	16	36	2
N7	2	0	10	1	1	0.0	3	16	36	2
N8	2	0	10	1	1	0.0	3	16	36	2
N9	2	0	10	1	1	0.0	3	16	36	2
N10	2	0	10	1	1	0.0	3	16	36	2
N11	2	0	10	1	1	0.0	3	16	36	2
N12	2	0	9	1	1	0.0	3	16	36	2
N13	2	0	9	1	1	0.0	3	16	36	2
N14	2	0	9	1	1	0.0	3	16	36	2
N15	2	0	9	1	1	0.0	3	16	36	2
N16	2	0	9	1	1	0.0	3	16	36	2
N17	2	0	9	1	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
N18	2	0	9	1	1	0.0	3	16	36	2
N19	2	0	9	1	1	0.0	3	16	36	2
N20	2	0	9	1	1	0.0	3	16	36	2
N21	2	0	9	1	1	0.0	3	16	36	2
N22	1	0	6	1	2	0.1	3	11	37	2
N23	1	0	6	1	2	0.1	3	11	37	2
N24	1	0	6	1	2	0.1	3	11	37	2
N25	1	0	5	1	1	0.0	3	11	36	2
N26	1	0	5	1	1	0.0	3	11	36	2
N27	1	0	5	1	1	0.0	3	11	36	2
N28	3	0	13	2	4	0.1	6	16	39	2
Aged care receptors										
658a	4	1	19	4	9	0.3	6	18	44	2
658b	4	1	18	4	9	0.3	6	18	44	2
658c	4	1	18	4	9	0.3	6	18	44	2
658d	4	1	18	4	9	0.3	6	18	44	2
658e	4	1	18	4	9	0.3	6	18	44	2
Prison receptors										
MP1	1	0	5	1	1	0.0	3	11	36	2
MP42	1	0	5	1	1	0.0	3	11	36	2
MP80	1	0	4	1	1	0.0	3	10	36	2
Commercial accommodation receptors										
622b	4	1	19	4	9	0.3	6	18	44	2
622c	4	1	20	4	9	0.3	6	18	44	2
622d	4	1	19	4	9	0.3	6	18	44	2
622e	4	1	19	4	9	0.3	6	18	44	2
622f	4	1	19	4	9	0.3	6	18	44	2
622g	4	1	19	4	9	0.3	6	18	44	2
622h	4	1	19	4	9	0.3	6	18	44	2
622i	4	1	19	4	9	0.3	6	18	44	2
622j	4	1	20	4	9	0.3	6	18	44	2
622k	4	1	19	4	9	0.3	6	18	44	2
622l	4	1	20	4	9	0.3	6	18	44	2
622m	4	1	20	4	9	0.3	6	18	44	2
622n	4	1	20	4	9	0.3	6	18	44	2
622o	4	1	19	4	9	0.3	6	18	44	2
622p	4	1	19	4	9	0.3	6	18	44	2
622q	4	1	19	4	9	0.3	6	18	44	2
622r	4	1	19	4	9	0.3	6	18	44	2
622s	4	1	19	4	9	0.3	6	18	44	2
622t	4	1	19	4	9	0.3	6	18	44	2
622u	4	1	20	4	9	0.3	6	18	44	2
622v	4	1	20	4	9	0.3	6	18	44	2
622w	4	1	19	4	9	0.3	6	18	44	2
622x	4	1	20	4	9	0.3	6	18	44	2
622y	4	1	19	4	9	0.3	6	18	44	2
622z	4	1	19	4	9	0.3	6	18	44	2
622aa	4	1	19	4	9	0.3	6	18	44	2
622ab	4	1	19	4	9	0.3	6	18	44	2
622ac	4	1	20	4	9	0.3	6	18	44	2
622ad	4	1	20	4	9	0.3	6	18	44	2
622ae	4	1	20	4	9	0.3	6	18	44	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
622af	4	1	20	4	9	0.3	6	18	44	2
622ag	4	1	20	4	9	0.3	6	18	44	2
975	2	0	9	1	1	0.0	3	16	36	2
Commercial receptors										
6	6	2	26	7	15	0.3	5	10	51	2
195e	3	0	13	2	4	0.1	3	13	38	2
140b-1	3	1	13	2	5	0.2	3	16	40	2
140b-2	3	1	13	2	5	0.2	3	16	40	2
140b-3	3	1	13	2	5	0.2	3	16	40	2
140b-4	3	1	13	2	5	0.2	3	16	40	2
202c	4	1	19	3	7	0.2	4	16	41	2
202d	4	1	20	3	7	0.2	4	16	42	2
202e	4	1	20	3	7	0.2	4	16	42	2
202f	4	1	19	3	7	0.2	4	16	41	2
202g	4	1	19	3	7	0.2	4	16	41	2
472d	1	0	3	0	1	0.0	3	6	35	2
472e	1	0	3	0	1	0.0	3	6	35	2
472f	1	0	3	0	1	0.0	3	6	35	2
472g	1	0	3	0	1	0.0	3	6	35	2
472h	1	0	3	0	1	0.0	3	6	35	2
472i	1	0	3	0	1	0.0	3	6	35	2
472j	1	0	3	0	1	0.0	3	6	35	2
472k	1	0	3	0	1	0.0	3	6	35	2
472l	1	0	3	0	1	0.0	3	6	35	2
472m	1	0	3	0	1	0.0	3	6	35	2
489	5	1	22	5	10	0.2	4	6	45	2
540	4	1	20	5	10	0.3	4	18	45	2
546a	5	1	22	5	11	0.3	4	18	46	2
546b	5	1	22	5	11	0.3	4	18	46	2
546c	5	1	22	5	11	0.3	4	18	46	2
617b	4	1	19	4	9	0.3	4	18	44	2
617c	4	1	20	4	9	0.3	4	18	44	2
617d	4	1	20	4	9	0.3	4	18	44	2
617e	4	1	20	4	9	0.3	4	18	44	2
617f	4	1	20	4	9	0.3	4	18	44	2
617g	4	1	19	4	9	0.3	4	18	44	2
617h	4	1	20	4	9	0.3	4	18	44	2
617i	4	1	20	4	9	0.3	4	18	44	2
620	4	1	19	4	9	0.3	4	18	44	2
622ah	4	1	19	4	9	0.3	4	18	44	2
622ai	4	1	19	4	9	0.3	4	18	44	2
611aj	4	1	19	4	9	0.3	4	18	44	2
622ak	4	1	19	4	9	0.3	4	18	44	2
625	4	1	19	4	9	0.3	4	18	44	2
629	4	1	19	4	9	0.3	4	18	44	2
626	4	1	19	4	9	0.3	4	18	44	2
627	4	1	19	4	9	0.3	4	18	44	2
628	4	1	19	4	9	0.3	4	18	44	2
630a	4	1	18	4	8	0.3	6	18	43	2
630b	4	1	19	4	8	0.3	4	18	44	2
630c	4	1	19	4	8	0.3	4	18	44	2
630d	4	1	18	4	8	0.3	4	18	43	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
656	4	1	19	4	9	0.3	4	18	44	2
674a	4	1	19	5	10	0.3	4	18	45	2
674b	4	1	19	5	10	0.3	4	18	45	2
818a	4	1	19	4	8	0.3	4	17	43	2
818b	4	1	19	4	8	0.3	4	17	43	2
844b	3	1	16	3	6	0.2	4	16	41	2
872b	3	0	13	2	5	0.1	3	16	39	2
1085	2	0	8	1	1	0.0	3	16	36	2
2ap	2	0	8	1	2	0.0	3	5	37	2
2aq	2	0	8	1	2	0.0	3	6	37	2
2ar	2	0	8	1	2	0.0	3	6	37	2
5h	1	0	3	0	1	0.0	3	6	35	2
5w	1	0	5	0	1	0.0	3	6	36	2
5an	1	0	3	0	1	0.0	3	6	35	2
5ao	1	0	3	0	1	0.0	3	6	35	2
5ap	1	0	5	0	1	0.0	3	6	36	2
8q	1	0	2	0	0	0.0	3	5	35	2
Mal4	1	0	4	1	1	0.0	**16**	**30**	70	2
Mal5	1	0	4	1	1	0.0	**15**	**28**	67	2
Mal6	1	0	4	1	1	0.0	**16**	**29**	69	2
UHSC2	2	0	12	1	1	0.0	3	16	36	2
UHSC3	2	0	12	1	1	0.0	3	16	36	2
UHSC4	2	0	12	1	1	0.0	3	16	36	2
N29	2	0	7	1	2	0.1	3	12	37	2
School receptors										
N30	4	1	20	5	10	0.3	4	18	45	2
N31	4	1	19	5	10	0.3	4	18	45	2
N32	4	1	19	5	10	0.3	4	18	45	2
N33	4	1	20	5	10	0.3	4	18	45	2
Church receptors										
520	2	0	9	2	3	0.1	3	14	38	2
658b	4	1	18	4	9	0.3	6	18	44	2
658c	4	1	18	4	9	0.3	6	18	44	2
616c	4	1	20	4	9	0.3	4	18	44	2
N34	1	0	5	1	1	0.0	3	11	36	2
Heritage receptors										
H1	1	0	2	0	0	0.0	3	6	35	2
H2	4	1	18	4	9	0.3	4	18	44	2
H3	8	2	38	10	22	0.4	5	14	58	2
H4	11	3	49	13	27	0.5	6	14	62	2
H5	11	3	49	12	27	0.5	6	14	62	2
H6	11	3	49	12	27	0.5	6	14	62	2
H7	11	3	**50**	13	28	0.5	6	15	63	2
H8	11	3	**51**	13	28	0.5	6	15	63	2
H9	12	3	**52**	13	29	0.5	6	15	64	2
H10	15	4	**67**	17	37	0.7	7	21	73	3
H11	4	1	18	5	10	0.2	4	7	46	2
H12	4	1	18	4	7	0.1	4	5	42	2
H13	4	1	18	4	7	0.1	4	5	42	2
H14	4	1	18	4	7	0.1	4	5	42	2
H15	4	1	18	4	7	0.1	4	5	42	2
H16	4	1	18	4	7	0.1	4	5	42	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
H17	4	1	18	4	7	0.1	4	5	42	2
H18	4	1	18	4	7	0.1	4	5	42	2
H19	1	0	6	1	1	0.0	3	12	36	2

Table D-6: Modelling predictions for Scenario 6

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
Privately-owned receptors										
4	4	1	18	4	8	0.1	4	6	44	2
19	5	1	24	6	13	0.2	7	13	51	2
20	6	1	28	7	15	0.3	5	13	53	2
21	6	1	29	7	15	0.3	5	13	53	2
35	6	1	29	6	12	0.3	7	19	49	2
35b	6	1	29	6	13	0.3	7	19	50	2
43	2	0	13	1	2	0.0	3	4	38	2
43b	1	0	7	1	1	0.0	3	4	36	2
45	1	0	6	1	1	0.0	3	4	36	2
45b	1	0	6	1	1	0.0	3	4	36	2
45c	1	0	6	1	1	0.0	3	4	36	2
47	1	0	6	1	1	0.0	3	4	36	2
67	6	1	28	6	14	0.3	5	20	51	2
74	5	1	26	6	13	0.3	5	20	50	2
77	4	1	21	5	11	0.3	7	20	48	2
79	4	1	19	5	10	0.3	7	19	47	2
82	3	1	16	4	8	0.3	6	18	44	2
83	3	1	16	4	8	0.3	6	18	44	2
84a	3	1	17	4	9	0.3	7	19	45	2
84b	1	0	6	1	3	0.1	3	9	38	2
86a	5	1	21	5	12	0.3	4	19	49	2
86b	4	0	17	2	5	0.2	3	15	40	2
96	7	1	31	7	15	0.4	5	19	54	2
102	7	1	32	7	16	0.5	5	19	54	2
108	7	2	34	8	17	0.5	5	20	56	2
112	8	2	37	8	18	0.5	5	20	58	2
118	8	2	37	8	17	0.5	5	20	57	2
120	8	2	37	8	17	0.5	5	20	56	2
120c	8	2	37	8	17	0.5	5	20	57	2
121	8	2	38	8	17	0.5	5	20	57	2
136	7	1	32	5	10	0.3	4	16	49	2
140a	4	1	18	3	5	0.2	4	14	41	2
140c	5	1	24	3	7	0.2	4	16	43	2
143a	5	1	24	3	5	0.1	4	12	42	2
143b	6	1	25	4	8	0.1	4	13	46	2
147	6	1	26	4	9	0.2	4	13	47	2
153a	12	2	**60**	12	29	1.3	5	14	57	3
154	13	1	**63**	7	16	0.3	5	19	62	2
154b	14	1	**64**	7	17	0.3	5	19	62	2
156a	9	1	40	5	11	0.2	5	15	52	2
156b	1	0	4	0	1	0.0	3	5	35	2
157a	8	1	33	4	10	0.2	4	14	49	2
157b	1	0	3	0	0	0.0	3	5	35	2
159	6	1	27	4	8	0.2	4	13	47	2
169	8	1	36	3	7	0.1	4	15	45	2
171	6	1	29	2	5	0.1	4	14	42	2
172	5	0	25	2	4	0.1	4	14	40	2
172b	5	0	24	2	4	0.1	3	14	40	2
172c	4	0	18	1	3	0.0	3	14	38	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
310	5	0	25	2	4	0.1	4	14	40	2
173	5	0	21	2	4	0.1	3	14	40	2
174	5	0	23	2	4	0.1	3	14	40	2
175	5	0	23	2	4	0.1	4	14	40	2
175b	5	0	23	2	4	0.1	4	14	40	2
175c	5	0	23	2	4	0.1	3	14	40	2
176	5	0	24	2	4	0.1	4	14	40	2
177	4	0	18	2	4	0.1	3	14	40	2
178	3	0	16	1	2	0.0	3	15	38	2
179	3	0	16	1	3	0.0	3	14	38	2
180	3	0	15	1	2	0.0	3	14	38	2
180b	3	0	13	1	2	0.0	3	15	37	2
180c	2	0	9	1	2	0.0	3	15	37	2
181	2	0	11	1	1	0.0	3	16	36	2
181c	3	0	15	1	2	0.0	3	15	37	2
182	2	0	8	1	1	0.0	3	16	36	2
189	3	0	13	1	3	0.1	3	13	38	2
190	3	0	13	1	3	0.1	3	13	38	2
191	2	0	12	1	3	0.1	3	13	38	2
192	3	0	13	1	3	0.1	3	13	38	2
193	2	0	11	1	3	0.1	3	13	38	2
193c	2	0	9	1	2	0.1	3	13	37	2
194	2	0	11	1	3	0.1	3	13	38	2
195	2	0	11	1	3	0.1	3	13	38	2
197	3	0	14	2	4	0.1	3	14	39	2
196	3	0	13	2	3	0.1	3	14	39	2
195d	3	0	14	2	4	0.1	3	14	39	2
198	3	0	16	2	4	0.1	3	15	40	2
198b	3	0	17	2	4	0.1	3	15	40	2
199	3	0	15	2	4	0.1	3	15	40	2
200	3	0	14	2	4	0.1	3	15	39	2
202	4	1	20	3	6	0.2	4	16	42	2
202b	3	0	16	2	5	0.2	4	16	41	2
203	4	1	21	3	6	0.2	4	16	42	2
203b	4	1	21	3	6	0.2	4	16	42	2
203c	4	1	21	3	6	0.2	4	16	42	2
206	4	1	21	5	11	0.2	7	15	48	2
207	5	1	22	6	12	0.2	7	14	50	2
212	4	1	20	5	10	0.2	7	12	47	2
212b	4	1	20	5	10	0.2	7	11	47	2
213	5	1	24	6	12	0.2	7	12	50	2
214	5	1	24	6	12	0.2	7	12	50	2
215	5	1	23	6	12	0.2	7	12	50	2
216	5	1	23	6	12	0.2	7	12	50	2
216b	5	1	23	6	12	0.2	7	12	50	2
217	5	1	23	6	13	0.2	7	13	50	2
218	5	1	24	6	12	0.2	7	12	50	2
219	5	1	24	6	13	0.2	7	12	50	2
220	5	1	24	6	13	0.2	7	12	51	2
221	5	1	24	6	13	0.2	7	13	51	2
222	5	1	24	6	13	0.2	7	13	51	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
223	5	1	24	6	13	0.2	7	13	51	2
223b	5	1	24	6	13	0.2	7	13	51	2
224	5	1	25	6	13	0.2	7	13	51	2
225	5	1	23	6	13	0.2	7	13	50	2
249	1	0	4	0	1	0.0	3	7	36	2
252	1	0	4	0	1	0.0	3	5	35	2
257	1	0	7	1	1	0.0	3	6	36	2
258a	2	0	9	1	1	0.0	3	5	36	2
258c	2	0	9	1	1	0.0	3	5	36	2
259	1	0	8	1	1	0.0	3	6	36	2
259b	2	0	8	1	1	0.0	3	5	36	2
260	1	0	7	1	1	0.0	3	6	36	2
260a	1	0	7	1	1	0.0	3	6	36	2
260b	1	0	7	1	1	0.0	3	6	36	2
261	1	0	6	1	1	0.0	3	6	36	2
261b	1	0	6	1	1	0.0	3	6	36	2
271	1	0	3	0	1	0.0	3	8	36	2
272b	1	0	3	1	1	0.1	3	6	37	2
272	1	0	3	1	1	0.1	3	6	37	2
273	1	0	3	1	1	0.0	3	8	36	2
273b	1	0	3	1	1	0.0	3	8	36	2
288	5	1	23	4	9	0.2	7	18	45	2
288b	5	1	23	4	9	0.2	7	18	45	2
289	5	1	25	5	11	0.3	7	19	47	2
292	1	0	3	0	1	0.0	3	6	36	2
292b	1	0	3	0	1	0.0	3	6	36	2
300	1	0	4	0	1	0.0	3	5	36	2
298	1	0	5	0	1	0.0	3	5	36	2
296a	1	0	5	1	1	0.0	3	5	36	2
296b	1	0	5	0	1	0.0	3	5	36	2
302a	1	0	4	0	1	0.0	3	5	36	2
302c	1	0	4	0	1	0.0	3	5	36	2
401	1	0	6	1	2	0.1	3	10	37	2
402	1	0	6	1	2	0.1	3	10	37	2
404	1	0	6	1	2	0.1	3	9	37	2
407	2	0	8	2	3	0.2	3	9	38	2
413b	1	0	3	1	1	0.0	3	10	36	2
415	1	0	3	0	1	0.0	3	9	36	2
417	1	0	3	0	1	0.0	3	9	36	2
418	1	0	3	0	1	0.0	3	9	36	2
418b	1	0	3	0	1	0.0	3	9	36	2
419	1	0	3	1	1	0.0	3	9	36	2
421	1	0	4	1	1	0.0	3	8	37	2
422a	4	1	21	4	10	0.2	4	15	44	2
436	2	0	7	1	1	0.0	3	15	36	2
437	2	0	8	1	1	0.0	3	15	36	2
441	1	0	6	1	1	0.0	3	16	36	2
442	1	0	3	0	0	0.0	3	14	35	2
443	1	0	6	1	1	0.0	3	16	36	2
451	1	0	6	1	1	0.0	3	13	36	2
452	2	0	8	1	2	0.1	3	12	37	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
453a	1	0	3	0	1	0.0	3	8	36	2
453b	1	0	3	0	1	0.0	3	8	36	2
454	0	0	2	0	1	0.0	3	8	36	2
455	0	0	2	0	0	0.0	3	9	35	2
456	0	0	2	0	0	0.0	3	9	35	2
456b	0	0	2	0	0	0.0	3	9	35	2
458	0	0	2	0	1	0.0	3	7	36	2
460	0	0	1	0	0	0.0	3	7	35	2
460b	0	0	1	0	0	0.0	3	7	35	2
461	0	0	1	0	0	0.0	3	7	35	2
462a	0	0	1	0	0	0.0	3	7	35	2
462b	0	0	1	0	0	0.0	3	7	35	2
462c	0	0	1	0	0	0.0	3	7	35	2
464	1	0	3	0	0	0.0	3	5	35	2
464b	1	0	3	0	0	0.0	3	5	35	2
465	1	0	3	0	0	0.0	3	5	35	2
466	1	0	4	0	0	0.0	3	5	35	2
467	1	0	4	0	1	0.0	3	5	36	2
467b	1	0	4	0	1	0.0	3	5	36	2
468a	1	0	2	0	0	0.0	3	5	35	2
468b	1	0	2	0	0	0.0	3	5	35	2
468c	1	0	2	0	0	0.0	3	5	35	2
468d	1	0	2	0	0	0.0	3	5	35	2
470	1	0	3	0	1	0.0	3	6	35	2
471	1	0	3	0	1	0.0	3	6	35	2
472a	1	0	3	0	1	0.0	3	6	35	2
472b	1	0	3	0	1	0.0	3	6	35	2
472c	1	0	2	0	0	0.0	3	6	35	2
474	1	0	2	0	0	0.0	3	5	35	2
475	1	0	4	0	1	0.0	3	5	36	2
475b	1	0	4	0	1	0.0	3	5	36	2
476	1	0	2	0	0	0.0	3	6	35	2
477a	1	0	3	0	1	0.0	3	6	35	2
477b	1	0	3	0	1	0.0	3	6	35	2
481	1	0	2	0	0	0.0	3	6	35	2
483	0	0	2	0	0	0.0	3	6	35	2
484	1	0	2	0	0	0.0	3	6	35	2
485a	0	0	2	0	0	0.0	3	7	35	2
485b	0	0	2	0	0	0.0	3	7	35	2
485c	0	0	2	0	0	0.0	3	7	35	2
485d	0	0	2	0	0	0.0	3	7	35	2
485e	0	0	2	0	0	0.0	3	7	35	2
485f	0	0	2	0	0	0.0	3	7	35	2
487	1	0	5	1	1	0.0	3	4	36	2
488a	1	0	6	1	1	0.0	3	3	36	2
488b	2	0	6	1	1	0.0	3	3	36	2
515a	1	0	4	0	1	0.0	3	13	36	2
515b	1	0	3	0	1	0.0	3	13	35	2
516	1	0	3	0	1	0.0	3	13	35	2
517	1	0	3	0	1	0.0	3	12	36	2
518	1	0	4	0	1	0.0	3	10	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
519	1	0	3	0	1	0.0	3	13	35	2
522a	2	0	8	1	2	0.1	3	12	38	2
522b	3	1	15	3	7	0.3	6	18	43	2
522c	3	1	15	3	7	0.3	6	18	43	2
522d	3	1	15	3	7	0.3	6	18	43	2
526	4	1	19	5	10	0.3	7	19	47	2
527	4	1	22	4	9	0.3	7	19	46	2
528	4	1	22	4	9	0.3	7	19	46	2
529	4	1	21	4	9	0.3	7	19	45	2
530	4	1	21	4	9	0.3	7	19	45	2
531	4	1	21	4	9	0.3	7	19	45	2
531b	4	1	21	4	9	0.3	7	19	45	2
532	4	1	21	4	9	0.3	7	19	45	2
533	4	1	21	4	9	0.3	7	19	45	2
534	4	1	21	4	9	0.3	7	18	45	2
535	4	1	22	4	9	0.3	7	19	45	2
536	4	1	22	4	9	0.3	7	18	45	2
537	4	1	22	4	9	0.3	7	18	45	2
538	5	1	23	4	9	0.2	7	18	45	2
539	5	1	23	4	9	0.2	7	18	45	2
541	5	1	23	4	9	0.2	7	18	45	2
542	5	1	23	4	9	0.2	7	18	45	2
543	5	1	23	4	9	0.2	7	18	45	2
543b	5	1	23	4	9	0.2	7	18	45	2
544	5	1	23	4	9	0.2	7	18	45	2
545	5	1	23	4	9	0.2	7	18	45	2
547	2	0	10	1	3	0.1	3	13	38	2
549	1	0	3	1	1	0.0	4	8	37	2
550	1	0	4	1	1	0.0	4	9	39	2
552	1	0	3	1	1	0.0	3	8	37	2
553	1	0	4	1	1	0.0	5	11	43	2
554	1	0	4	1	1	0.0	4	9	37	2
557	1	0	4	1	1	0.0	5	10	40	2
559	1	0	4	1	1	0.0	4	9	39	2
560	1	0	4	1	1	0.0	4	9	39	2
561	1	0	4	1	1	0.0	4	9	38	2
562	1	0	4	1	1	0.0	4	9	38	2
563	1	0	3	1	1	0.0	4	9	37	2
564	1	0	3	1	1	0.0	4	8	37	2
565	1	0	3	1	1	0.0	4	8	37	2
566	1	0	3	1	1	0.0	3	8	37	2
569	1	0	3	1	1	0.0	3	8	37	2
570	1	0	4	1	1	0.0	3	8	37	2
571	1	0	4	1	1	0.0	3	8	37	2
572	1	0	4	1	1	0.0	3	8	37	2
573	1	0	4	1	1	0.0	3	8	37	2
574	1	0	4	1	1	0.0	3	8	37	2
575	1	0	4	1	1	0.0	3	8	37	2
576	1	0	4	1	1	0.0	3	8	37	2
577a	1	0	5	1	2	0.0	3	8	37	2
577b	1	0	4	1	2	0.0	3	8	37	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
578	1	0	5	1	2	0.0	3	8	37	2
583	1	0	4	0	1	0.0	3	9	36	2
586	1	0	2	0	0	0.0	3	13	35	2
587a	1	0	3	0	0	0.0	3	14	35	2
587b	1	0	3	0	0	0.0	3	14	35	2
588	1	0	2	0	0	0.0	3	13	35	2
600a	5	1	23	4	8	0.2	7	18	45	2
600b	5	1	23	4	9	0.2	7	18	45	2
601	5	1	23	4	8	0.2	7	18	45	2
602	5	1	23	4	8	0.2	7	18	45	2
603	5	1	23	4	8	0.2	7	18	45	2
604	5	1	23	4	8	0.2	7	18	45	2
605	5	1	23	4	8	0.2	7	18	45	2
606	5	1	22	4	8	0.2	7	18	45	2
607	5	1	22	4	8	0.2	7	18	44	2
608	5	1	22	4	8	0.2	7	18	44	2
609	5	1	22	4	8	0.2	7	18	44	2
610	5	1	22	4	8	0.2	6	18	44	2
611	5	1	22	4	8	0.2	6	18	44	2
612	5	1	22	4	8	0.2	7	18	44	2
613	5	1	22	4	8	0.2	6	18	44	2
614	5	1	22	4	8	0.2	6	18	44	2
615	5	1	22	4	8	0.2	6	18	44	2
616a	3	1	17	4	8	0.3	6	18	44	2
616b	5	1	22	4	8	0.2	6	18	44	2
617a	4	1	22	4	8	0.2	6	18	44	2
618a	4	1	22	4	8	0.2	6	18	44	2
618b	4	1	22	4	8	0.2	6	18	44	2
619	4	1	22	4	8	0.2	6	18	44	2
621	4	1	21	4	8	0.2	6	18	44	2
622a	4	1	22	4	8	0.2	6	18	44	2
623a	2	0	8	1	1	0.0	6	16	36	2
623b	4	1	21	4	8	0.2	6	18	44	2
630a	4	1	20	3	7	0.2	6	18	43	2
631	4	1	20	3	7	0.2	6	18	43	2
632	4	1	20	3	7	0.2	6	18	43	2
648	4	1	20	4	8	0.2	6	18	44	2
649	4	1	20	4	8	0.2	6	18	44	2
650	4	1	20	4	8	0.2	6	18	44	2
651	4	1	20	4	8	0.2	6	18	44	2
652	4	1	20	4	8	0.2	6	18	44	2
653	4	1	20	4	8	0.2	6	18	44	2
654a	4	1	20	4	8	0.3	6	18	44	2
654b	4	1	20	4	8	0.2	6	18	44	2
655	4	1	20	4	8	0.3	6	18	44	2
658a	4	1	20	4	8	0.3	6	18	44	2
659	4	1	21	4	8	0.3	6	18	44	2
660a	4	1	21	4	8	0.3	6	18	44	2
660b	4	1	21	4	8	0.3	6	18	44	2
661	4	1	21	4	8	0.3	6	18	44	2
662	4	1	21	4	8	0.3	6	18	44	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
663	4	1	21	4	8	0.3	6	18	44	2
664	4	1	21	4	8	0.3	6	18	44	2
665a	4	1	21	4	9	0.3	7	18	45	2
665b	4	1	22	4	8	0.3	7	18	45	2
667a	5	1	24	5	10	0.3	7	19	47	2
667b	5	1	23	5	10	0.3	7	19	47	2
667c	5	1	24	5	10	0.3	7	19	47	2
667d	5	1	24	5	10	0.3	7	19	47	2
667e	5	1	24	5	10	0.3	7	19	47	2
667f	3	1	15	3	7	0.2	6	17	43	2
669	4	1	21	4	9	0.3	7	18	45	2
671	4	1	21	4	9	0.3	7	18	45	2
672	4	1	21	4	9	0.3	7	18	45	2
673	4	1	21	4	9	0.3	7	18	45	2
675	4	1	21	4	9	0.3	7	18	45	2
676	4	1	20	4	9	0.3	7	18	45	2
677	4	1	20	4	9	0.3	7	18	45	2
678	4	1	20	4	9	0.3	7	18	45	2
679	4	1	20	4	8	0.3	6	18	45	2
680	4	1	20	4	8	0.3	6	18	45	2
681	4	1	20	4	8	0.3	6	18	45	2
682a	4	1	19	4	8	0.3	6	18	44	2
682b	4	1	19	4	8	0.3	6	18	44	2
683	4	1	19	4	8	0.3	6	18	44	2
684	4	1	19	4	8	0.3	6	18	44	2
685	4	1	19	4	8	0.3	6	18	44	2
686	4	1	19	4	8	0.3	6	18	44	2
687	4	1	19	4	8	0.3	6	18	44	2
688	4	1	19	4	8	0.3	6	18	44	2
689	4	1	20	4	8	0.3	6	18	44	2
690	4	1	20	4	8	0.3	6	18	44	2
691	4	1	20	4	8	0.3	6	18	44	2
692	4	1	20	4	8	0.3	6	18	44	2
693	4	1	19	4	8	0.3	6	18	44	2
694a	4	1	19	4	8	0.3	6	18	44	2
694b	4	1	18	4	8	0.3	6	18	44	2
695	4	1	19	4	8	0.3	6	18	44	2
697	4	1	18	4	8	0.3	6	18	44	2
698	4	1	18	4	8	0.3	6	18	44	2
715	2	0	9	1	1	0.0	3	16	36	2
728	4	1	18	4	8	0.3	6	18	44	2
729	4	1	18	4	8	0.3	6	18	44	2
730	4	1	18	4	8	0.3	6	18	44	2
731	4	1	18	4	8	0.3	6	18	44	2
732	4	1	18	4	8	0.3	6	18	44	2
733	4	1	18	4	8	0.3	6	18	44	2
735a	3	1	17	4	8	0.3	6	18	44	2
735b	3	1	17	4	8	0.3	6	18	44	2
736	3	1	17	4	8	0.3	6	18	44	2
737	3	1	17	4	8	0.3	6	18	44	2
738	3	1	17	4	8	0.3	6	18	44	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
739	3	1	17	4	8	0.3	6	18	44	2
740a	3	1	16	4	8	0.3	6	18	44	2
740b	3	1	16	4	8	0.3	6	18	44	2
740c	3	1	16	4	8	0.3	6	18	44	2
740d	3	1	17	4	8	0.3	6	18	44	2
740e	3	1	16	4	8	0.3	6	18	44	2
740f	3	1	16	4	8	0.3	6	18	44	2
741	3	1	17	4	8	0.3	6	18	44	2
742	3	1	17	4	8	0.3	6	18	44	2
743	3	1	17	4	8	0.3	6	18	44	2
744	3	1	16	4	8	0.3	6	18	44	2
745	3	1	16	4	8	0.3	6	18	44	2
746	3	1	16	4	8	0.3	6	18	44	2
747	3	1	16	4	8	0.3	6	18	44	2
748a	3	1	16	4	8	0.3	6	18	44	2
748b	3	0	12	2	5	0.2	6	16	40	2
749a	4	1	19	4	8	0.3	6	18	44	2
749b	4	1	19	4	8	0.3	6	18	44	2
750	4	1	18	4	8	0.3	6	18	44	2
751	4	1	18	4	8	0.3	6	18	44	2
752a	4	1	19	4	8	0.3	6	18	44	2
752b	4	1	19	4	8	0.3	6	18	44	2
753	4	1	19	4	8	0.3	6	18	44	2
754	4	1	19	4	8	0.3	6	18	44	2
755	4	1	19	4	8	0.3	6	18	45	2
756	4	1	19	4	8	0.3	6	18	45	2
757	4	1	19	4	8	0.3	6	18	45	2
758	4	1	19	4	8	0.3	6	18	45	2
759a	4	1	20	4	9	0.3	6	18	45	2
759b	4	1	20	4	9	0.3	6	18	45	2
760	4	1	20	4	9	0.3	7	18	45	2
761	4	1	20	4	9	0.3	7	18	45	2
762	4	1	20	4	9	0.3	7	18	45	2
763	4	1	20	4	9	0.3	7	18	45	2
764	4	1	20	4	9	0.3	7	18	45	2
765a	4	1	20	4	9	0.3	7	18	45	2
765b	4	1	20	4	9	0.3	7	18	45	2
766	4	1	20	4	9	0.3	7	18	45	2
767	4	1	20	4	9	0.3	7	18	45	2
768	4	1	19	4	9	0.3	7	18	45	2
769	4	1	19	4	9	0.3	6	18	45	2
770	4	1	19	4	9	0.3	7	19	45	2
771	4	1	19	4	9	0.3	7	19	45	2
772	4	1	19	4	9	0.3	7	19	45	2
773	4	1	19	4	9	0.3	7	19	45	2
774	4	1	19	4	9	0.3	7	18	45	2
775	4	1	18	4	9	0.3	7	18	45	2
776	4	1	19	4	9	0.3	7	19	45	2
777	4	1	18	4	9	0.3	7	19	45	2
778a	4	1	18	4	9	0.3	7	19	45	2
778b	4	1	18	4	9	0.3	7	19	45	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
779a	4	1	18	4	9	0.3	7	19	45	2
779b	4	1	18	4	9	0.3	6	18	45	2
780	4	1	18	4	9	0.3	7	19	45	2
781	4	1	18	4	9	0.3	7	19	45	2
782	4	1	18	4	9	0.3	7	19	45	2
783	4	1	18	4	9	0.3	7	19	45	2
784	4	1	18	4	8	0.3	6	18	44	2
785	4	1	18	4	8	0.3	6	18	44	2
786	4	1	18	4	8	0.3	6	18	44	2
787a	4	1	18	4	8	0.3	6	18	44	2
787b	4	1	18	4	8	0.3	6	18	44	2
788	4	1	18	4	8	0.3	6	18	44	2
789	4	1	18	4	8	0.3	6	18	44	2
790a	4	1	18	4	8	0.3	6	18	44	2
790b	4	1	18	4	8	0.3	6	18	44	2
791a	4	1	18	4	8	0.3	6	18	44	2
791b	4	1	18	4	8	0.3	6	18	44	2
792a	4	1	18	4	8	0.3	6	18	45	2
792b	4	1	18	4	8	0.3	6	18	44	2
793	3	1	17	4	8	0.3	6	18	44	2
794	3	1	17	4	8	0.3	6	18	44	2
795	3	1	17	4	8	0.3	6	18	44	2
796	3	1	17	4	8	0.3	6	18	44	2
797a	3	1	17	4	8	0.3	6	18	44	2
797b	3	1	17	4	8	0.3	6	18	45	2
798	3	1	17	4	8	0.3	6	18	45	2
801	3	1	17	4	8	0.3	6	18	45	2
802	3	1	17	4	9	0.3	6	18	45	2
803a	3	1	17	4	8	0.3	6	18	44	2
803b	3	1	17	4	8	0.3	6	18	44	2
804	3	1	17	4	8	0.3	6	18	44	2
805	3	1	17	4	8	0.3	6	18	44	2
806	3	1	15	4	7	0.3	6	18	44	2
807	3	1	15	4	7	0.3	6	18	44	2
808	3	1	15	4	7	0.3	6	18	43	2
809	3	1	15	4	7	0.3	6	18	44	2
810	3	1	15	4	7	0.3	6	18	44	2
811	3	1	15	4	7	0.3	6	18	44	2
812	3	1	16	4	7	0.3	6	18	44	2
813	3	1	16	4	7	0.3	6	18	44	2
814	3	1	16	3	7	0.3	6	18	44	2
815a	3	1	16	3	7	0.3	6	18	44	2
815b	3	1	16	3	7	0.3	6	18	44	2
816	3	1	15	3	7	0.3	6	18	44	2
817	3	1	15	3	7	0.3	6	18	43	2
819	3	1	15	3	7	0.2	6	17	43	2
820a	3	1	15	3	7	0.2	6	17	43	2
820b	3	1	15	3	7	0.2	6	17	43	2
821	3	1	14	3	7	0.2	6	17	43	2
822	3	1	14	3	7	0.2	6	17	43	2
823a	3	1	14	3	7	0.2	6	17	43	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
823b	3	1	14	3	7	0.2	6	17	43	2
824	3	1	14	3	7	0.2	6	17	43	2
825	3	1	14	3	7	0.2	6	17	43	2
826	3	1	14	3	7	0.2	6	17	43	2
827	3	1	14	3	7	0.2	6	17	43	2
828	3	1	14	3	7	0.2	6	17	43	2
829a	3	1	13	3	7	0.2	6	17	42	2
829b	3	1	13	3	7	0.2	6	17	42	2
830	3	1	13	3	6	0.2	6	17	42	2
831	3	1	13	3	6	0.2	6	17	42	2
832	3	1	13	3	6	0.2	6	17	42	2
833	3	1	13	3	6	0.2	6	17	42	2
834	3	1	13	3	6	0.2	6	17	42	2
835	3	1	13	3	6	0.2	6	17	42	2
836	3	1	13	3	6	0.2	6	17	42	2
837	3	1	13	3	6	0.2	6	17	42	2
838	3	1	13	3	6	0.2	6	17	42	2
839	3	1	13	3	6	0.2	6	17	42	2
840	3	1	13	3	6	0.2	6	17	42	2
841	3	1	13	3	6	0.2	6	17	42	2
843a	3	1	13	3	6	0.2	6	16	42	2
843b	3	1	13	3	6	0.2	6	17	42	2
844a	3	1	13	3	6	0.2	6	16	41	2
845	3	1	13	2	5	0.2	6	16	41	2
846	3	1	13	2	5	0.2	6	16	41	2
847	3	1	13	2	5	0.2	6	16	41	2
848	3	1	13	2	5	0.2	6	16	41	2
849	3	1	13	2	5	0.2	6	16	41	2
850	3	0	13	2	5	0.2	6	16	41	2
853	3	0	13	2	5	0.2	6	16	41	2
854	3	0	13	2	5	0.2	6	16	40	2
855	3	0	13	2	5	0.2	6	16	40	2
856	3	0	12	2	5	0.2	6	16	40	2
857	3	0	12	2	5	0.2	6	16	40	2
858	3	0	12	2	5	0.2	6	16	40	2
859	3	0	12	2	5	0.2	6	16	40	2
860	3	0	12	2	5	0.2	6	16	40	2
861	3	0	12	2	5	0.2	6	16	40	2
862	3	0	12	2	5	0.2	6	16	40	2
863	3	0	12	2	4	0.2	6	16	40	2
864	3	0	12	2	4	0.2	6	16	40	2
865	3	0	12	2	4	0.2	6	16	40	2
866	3	0	12	2	4	0.2	6	16	40	2
867	3	0	12	2	4	0.2	6	16	40	2
868	3	0	12	2	4	0.1	6	16	40	2
870	3	0	12	2	4	0.1	6	16	40	2
871	3	0	12	2	4	0.1	6	16	39	2
872a	3	0	12	2	4	0.1	6	16	39	2
900a	2	0	8	1	1	0.0	3	16	36	2
900b	2	0	9	1	1	0.0	3	16	36	2
901	2	0	10	1	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
902	2	0	10	1	1	0.0	3	16	36	2
903	2	0	10	1	1	0.0	3	16	36	2
904	2	0	10	1	1	0.0	3	16	36	2
905	2	0	10	1	1	0.0	3	16	36	2
906	2	0	10	1	1	0.0	3	16	36	2
907	2	0	10	1	1	0.0	3	16	36	2
908	2	0	10	1	1	0.0	3	16	36	2
909	2	0	10	1	1	0.0	3	16	36	2
911	2	0	10	1	1	0.0	3	16	36	2
912	2	0	10	1	1	0.0	3	16	36	2
913	2	0	10	1	1	0.0	3	16	36	2
914	2	0	10	1	1	0.0	3	16	36	2
915	2	0	9	1	1	0.0	3	16	36	2
916	2	0	9	1	1	0.0	3	16	36	2
917	2	0	9	1	1	0.0	3	16	36	2
918	2	0	9	1	1	0.0	3	16	36	2
919	2	0	9	1	1	0.0	3	16	36	2
920	2	0	9	1	1	0.0	3	16	36	2
921	2	0	9	1	1	0.0	3	16	36	2
922	2	0	10	1	1	0.0	3	16	36	2
924	2	0	10	1	1	0.0	3	16	36	2
925	2	0	10	1	1	0.0	3	16	36	2
926	2	0	10	1	1	0.0	3	16	36	2
927	2	0	10	1	1	0.0	3	16	36	2
928	2	0	10	1	1	0.0	3	16	36	2
929	2	0	10	1	1	0.0	3	16	36	2
930	2	0	10	1	1	0.0	3	16	36	2
931	2	0	10	1	1	0.0	3	16	36	2
932a	2	0	9	1	1	0.0	3	16	36	2
932b	2	0	9	1	1	0.0	3	16	36	2
933	2	0	9	1	1	0.0	3	16	36	2
934	2	0	9	1	1	0.0	3	16	36	2
935a	2	0	9	1	1	0.0	3	16	36	2
935b	2	0	9	1	1	0.0	3	16	36	2
936	2	0	9	1	1	0.0	3	16	36	2
937	2	0	9	1	1	0.0	3	16	36	2
938	2	0	9	1	1	0.0	3	16	36	2
939	2	0	9	1	1	0.0	3	16	36	2
940	2	0	9	1	1	0.0	3	16	36	2
941	2	0	9	1	1	0.0	3	16	36	2
942	2	0	8	1	1	0.0	3	16	36	2
943	2	0	8	1	1	0.0	3	16	36	2
944	2	0	8	1	1	0.0	3	16	36	2
945a	2	0	8	1	1	0.0	3	16	36	2
945b	2	0	8	1	1	0.0	3	16	36	2
946	2	0	8	1	1	0.0	3	16	36	2
947	2	0	8	1	1	0.0	3	16	36	2
948	2	0	8	1	1	0.0	3	16	36	2
949	2	0	8	1	1	0.0	3	16	36	2
950	2	0	8	1	1	0.0	3	16	36	2
951	2	0	9	1	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
952	2	0	8	1	1	0.0	3	16	36	2
953	2	0	8	1	1	0.0	3	16	36	2
954	2	0	8	1	1	0.0	3	16	36	2
955	2	0	8	1	1	0.0	3	16	36	2
956	1	0	8	1	1	0.0	3	16	36	2
957a	2	0	9	1	1	0.0	3	16	36	2
957b	1	0	8	1	1	0.0	3	16	36	2
958	1	0	8	1	1	0.0	3	16	36	2
959	1	0	8	1	1	0.0	3	16	36	2
960	1	0	8	1	1	0.0	3	16	36	2
961	1	0	8	1	1	0.0	3	16	36	2
962	1	0	7	1	1	0.0	3	16	36	2
963	1	0	7	1	1	0.0	3	16	36	2
964	1	0	7	1	1	0.0	3	16	36	2
965	1	0	7	1	1	0.0	3	16	36	2
966	1	0	7	1	1	0.0	3	16	36	2
967a	1	0	7	1	1	0.0	3	16	36	2
967b	1	0	7	1	1	0.0	3	16	36	2
968	1	0	7	1	1	0.0	3	16	36	2
969	1	0	7	1	1	0.0	3	16	36	2
970	1	0	7	1	1	0.0	3	16	36	2
971	1	0	7	1	1	0.0	3	16	36	2
972	1	0	7	1	1	0.0	3	16	36	2
973	1	0	7	1	1	0.0	3	16	36	2
974	1	0	7	1	1	0.0	3	16	36	2
976	1	0	7	1	1	0.0	3	16	36	2
977a	2	0	9	1	1	0.0	3	16	36	2
977b	2	0	8	1	1	0.0	3	16	36	2
978	1	0	7	1	1	0.0	3	16	36	2
979a	1	0	8	1	1	0.0	3	16	36	2
979b	1	0	7	1	1	0.0	3	16	36	2
980	1	0	7	1	1	0.0	3	16	36	2
981a	1	0	7	1	1	0.0	3	16	36	2
981b	1	0	7	1	1	0.0	3	16	36	2
982	1	0	8	1	1	0.0	3	16	36	2
983	1	0	8	1	1	0.0	3	16	36	2
984	1	0	8	1	1	0.0	3	16	36	2
985	1	0	8	1	1	0.0	3	16	36	2
986	2	0	8	1	1	0.0	3	16	36	2
987	2	0	8	1	1	0.0	3	16	36	2
988a	2	0	8	1	1	0.0	3	16	36	2
988b	2	0	8	1	1	0.0	3	16	36	2
989a	2	0	9	1	1	0.0	3	16	36	2
989b	2	0	9	1	1	0.0	3	16	36	2
990	2	0	9	1	1	0.0	3	16	36	2
991	2	0	9	1	1	0.0	3	16	36	2
992	2	0	9	1	1	0.0	3	16	36	2
993a	2	0	8	1	1	0.0	3	16	36	2
993b	2	0	8	1	1	0.0	3	16	36	2
994a	2	0	9	1	1	0.0	3	16	36	2
994b	2	0	8	1	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
995	2	0	8	1	1	0.0	3	16	36	2
997	2	0	9	1	1	0.0	3	16	36	2
998	2	0	9	1	1	0.0	3	16	36	2
999	2	0	10	1	1	0.0	3	16	36	2
1000	2	0	10	1	1	0.0	3	16	36	2
1001	2	0	10	1	1	0.0	3	16	36	2
1002	2	0	10	1	1	0.0	3	16	36	2
1003	2	0	10	1	1	0.0	3	16	36	2
1004	2	0	10	1	1	0.0	3	16	36	2
1005	2	0	10	1	1	0.0	3	16	36	2
1006	2	0	10	1	1	0.0	3	16	36	2
1007	2	0	10	1	1	0.0	3	16	36	2
1008	2	0	9	1	1	0.0	3	16	36	2
1009	2	0	9	1	1	0.0	3	16	36	2
1010	2	0	9	1	1	0.0	3	16	36	2
1011	2	0	9	1	1	0.0	3	16	36	2
1012	2	0	9	1	1	0.0	3	16	36	2
1014	2	0	9	1	1	0.0	3	16	36	2
1015	2	0	9	1	1	0.0	3	16	36	2
1016	2	0	9	1	1	0.0	3	16	36	2
1017	2	0	9	1	1	0.0	3	16	36	2
1018	2	0	9	1	1	0.0	3	16	36	2
1019	2	0	9	1	1	0.0	3	16	36	2
1020	2	0	9	1	1	0.0	3	16	36	2
1021	2	0	9	1	1	0.0	3	16	36	2
1022	2	0	9	1	1	0.0	3	16	36	2
1023	2	0	9	1	1	0.0	3	16	36	2
1024	2	0	8	1	1	0.0	3	16	36	2
1025	2	0	9	1	1	0.0	3	16	36	2
1026	2	0	9	1	1	0.0	3	16	36	2
1027	2	0	8	1	1	0.0	3	16	36	2
1028	2	0	8	1	1	0.0	3	16	36	2
1029	2	0	8	1	1	0.0	3	16	36	2
1030	2	0	8	1	1	0.0	3	16	36	2
1031	2	0	8	1	1	0.0	3	16	36	2
1032	2	0	8	1	1	0.0	3	16	36	2
1033	2	0	8	1	1	0.0	3	16	36	2
1034	2	0	8	1	1	0.0	3	16	36	2
1035	1	0	8	0	1	0.0	3	16	36	2
1036a	1	0	7	0	1	0.0	3	16	36	2
1036b	1	0	8	0	1	0.0	3	16	36	2
1037	1	0	8	0	1	0.0	3	16	36	2
1038	1	0	8	1	1	0.0	3	16	36	2
1039	1	0	8	1	1	0.0	3	16	36	2
1040	1	0	8	1	1	0.0	3	16	36	2
1041	1	0	8	1	1	0.0	3	16	36	2
1042	1	0	8	1	1	0.0	3	16	36	2
1043	2	0	8	1	1	0.0	3	16	36	2
1044	1	0	8	1	1	0.0	3	16	36	2
1045	1	0	7	0	1	0.0	3	16	36	2
1046	1	0	7	0	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
1077	1	0	6	1	1	0.0	3	16	36	2
1078	1	0	6	0	1	0.0	3	16	36	2
1079	1	0	5	0	1	0.0	3	16	36	2
1080	1	0	5	0	1	0.0	3	16	36	2
1081	1	0	6	0	1	0.0	3	16	36	2
1082a	1	0	6	0	1	0.0	3	16	36	2
1082b	1	0	7	0	1	0.0	3	16	36	2
1100a	0	0	2	0	0	0.0	3	6	35	2
1100b	0	0	1	0	0	0.0	3	6	35	2
Mine-owned receptors										
23	6	1	29	7	16	0.3	5	16	54	2
68	6	1	28	6	13	0.3	5	19	50	2
80a	4	1	19	5	10	0.3	7	19	47	2
135	8	1	40	6	14	0.4	5	17	54	2
135b	8	1	40	6	14	0.4	5	17	54	2
139	5	1	23	3	7	0.2	4	14	44	2
158	7	1	30	4	9	0.2	4	13	48	2
231	4	1	19	5	11	0.3	7	19	47	2
263	2	0	13	1	1	0.0	3	5	36	2
1p	7	1	35	7	15	0.4	5	19	54	2
1z	7	1	31	4	10	0.2	4	13	48	2
1ab	7	1	31	5	10	0.2	4	13	49	2
1ac	6	1	29	7	16	0.3	5	17	54	2
1ad	3	0	14	3	6	0.4	3	9	40	2
1ae	9	2	41	10	21	0.4	6	19	60	2
1af	7	1	34	7	15	0.4	5	19	53	2
1ag	7	1	33	7	15	0.4	5	19	53	2
1ah	6	1	28	6	14	0.3	5	20	51	2
1ai	5	1	27	6	14	0.3	5	20	51	2
1aj	5	1	27	6	13	0.3	5	20	51	2
1ak	5	1	27	6	13	0.3	5	20	51	2
1al	5	1	27	6	13	0.3	5	20	51	2
1am	5	1	24	6	13	0.4	5	20	50	2
1ar	6	1	28	7	15	0.4	5	20	53	2
1as	6	1	29	7	15	0.4	5	19	53	2
1aw	7	1	32	7	16	0.5	5	20	55	2
1ax	7	1	32	7	15	0.4	5	19	54	2
1bb	7	2	34	8	16	0.4	5	20	54	2
1bc	7	1	32	7	15	0.5	5	19	54	2
1bd	2	0	8	2	4	0.2	3	8	39	2
1bf	11	2	48	8	18	0.5	5	17	59	3
1bg	11	2	45	7	16	0.5	5	17	56	3
2i	7	2	36	8	16	0.4	5	19	54	2
246	2	0	8	1	2	0.0	3	4	37	2
246b	2	0	8	1	2	0.0	3	4	37	2
2b	12	3	**57**	14	29	0.5	7	21	73	3
2d	5	1	25	4	9	0.2	4	18	46	2
2e	11	2	**51**	12	25	0.5	6	20	66	3
2f	16	3	**76**	16	36	0.7	7	24	79	3
2n	2	0	8	1	2	0.0	3	4	37	2
2o	2	0	8	1	2	0.0	3	5	37	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
2p	2	0	7	1	2	0.0	3	6	37	2
2r	2	0	7	1	2	0.0	3	6	37	2
2s	2	0	7	1	2	0.0	3	6	37	2
2w	2	0	7	1	1	0.0	3	6	37	2
2x	6	1	30	7	14	0.3	5	12	54	2
2y	6	1	31	7	15	0.3	5	12	54	2
2z	6	1	32	7	15	0.3	5	12	54	2
2aa	6	1	32	7	16	0.3	5	13	55	2
2ab	6	1	32	7	15	0.3	5	12	54	2
2ad	6	1	32	7	15	0.3	5	13	55	2
2af	6	1	31	7	15	0.3	5	13	54	2
2ai	8	2	39	10	21	0.4	6	16	64	2
2aj	7	2	32	8	17	0.3	5	16	56	2
2al	12	3	**58**	14	30	0.5	7	21	74	3
2am	6	1	31	7	15	0.3	5	13	54	2
2an	2	0	7	1	2	0.0	3	6	37	2
2ao	2	0	7	1	2	0.0	3	6	37	2
7	5	1	27	6	13	0.2	5	10	51	2
211	4	1	19	5	10	0.2	7	11	47	2
299	1	0	4	0	1	0.0	3	5	36	2
487b	1	0	5	1	1	0.0	3	4	36	2
5f	5	1	28	6	13	0.2	5	10	52	2
5g	6	1	29	6	14	0.2	5	11	53	2
5i	1	0	4	0	1	0.0	3	5	36	2
5j	1	0	2	0	0	0.0	3	6	35	2
5k	1	0	4	0	1	0.0	3	5	36	2
5l	1	0	5	1	1	0.0	3	4	36	2
5m	2	0	7	1	2	0.0	3	2	37	2
5p	2	0	7	1	2	0.0	3	2	37	2
5r	3	0	14	2	5	0.1	4	4	41	2
5t	3	1	15	3	6	0.1	4	5	43	2
5v	1	0	4	0	1	0.0	3	6	36	2
5x	1	0	4	0	1	0.0	3	6	36	2
5y	3	1	16	3	7	0.1	4	5	44	2
5z	3	1	16	3	7	0.1	4	5	44	2
5aa	3	1	16	4	7	0.1	4	5	44	2
5ab	3	1	14	3	6	0.1	4	6	43	2
5ad	3	1	14	3	7	0.1	4	6	43	2
5af	3	1	14	3	6	0.1	4	6	43	2
5ag	1	0	3	0	1	0.0	3	5	36	2
5ah	1	0	3	0	1	0.0	3	6	35	2
5ai	1	0	3	0	1	0.0	3	5	36	2
5aj	1	0	5	1	1	0.0	3	3	36	2
5ak	1	0	5	1	1	0.0	3	3	36	2
5al	1	0	3	0	1	0.0	3	6	36	2
5am	2	0	9	1	3	0.0	3	2	38	2
3a	2	0	13	1	2	0.0	3	13	37	2
3b	2	0	13	1	2	0.0	3	13	37	2
3c	5	1	24	3	7	0.1	4	13	45	2
3d	2	0	11	1	2	0.0	3	13	37	2
3e	2	0	11	1	2	0.0	3	13	37	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
3f	2	0	10	1	2	0.0	3	13	37	2
3g	5	1	23	3	6	0.1	4	13	44	2
3i	2	0	11	1	2	0.0	3	13	38	2
3j	2	0	8	1	1	0.0	3	14	36	2
3k	7	1	33	3	7	0.1	4	14	45	2
3m	9	2	46	9	23	0.5	5	20	63	3
3n	4	0	19	2	4	0.1	3	14	39	2
3o	7	1	33	7	17	0.4	5	17	55	2
3p	8	2	42	8	21	0.7	5	18	57	3
3r	4	1	22	4	9	0.2	4	15	44	2
3s	4	1	22	5	11	0.3	4	15	46	2
3t	6	1	31	3	7	0.1	4	14	45	2
3u	6	1	26	3	6	0.1	4	14	44	2
3v	13	1	**59**	7	15	0.3	5	18	61	2
274	1	0	3	0	1	0.0	3	8	36	2
416	0	0	2	0	1	0.0	3	9	36	2
463	0	0	1	0	0	0.0	3	7	35	2
7b	1	0	2	0	0	0.0	3	5	35	2
7c	1	0	2	0	0	0.0	3	5	35	2
7d	1	0	4	0	0	0.0	3	5	35	2
7e	1	0	3	0	0	0.0	3	5	35	2
7f	0	0	2	0	0	0.0	3	6	35	2
7g	0	0	2	0	0	0.0	3	7	35	2
7h	1	0	3	0	1	0.0	3	8	36	2
7i	1	0	3	0	1	0.0	3	8	36	2
7j	1	0	3	0	1	0.0	3	7	36	2
7k	1	0	4	1	2	0.1	3	9	37	2
7l	1	0	2	0	0	0.0	3	5	35	2
7m	0	0	2	0	1	0.0	3	7	36	2
7n	1	0	6	1	2	0.1	3	9	36	2
7o	1	0	4	1	1	0.0	3	8	36	2
8b	0	0	2	0	0	0.0	3	6	35	2
8c	0	0	2	0	0	0.0	3	6	35	2
8e	0	0	2	0	0	0.0	3	4	35	2
8f	1	0	2	0	0	0.0	3	4	35	2
8h	1	0	2	0	0	0.0	3	5	35	2
8i	0	0	2	0	0	0.0	3	6	35	2
8j	0	0	2	0	0	0.0	3	6	35	2
8k	0	0	2	0	0	0.0	3	4	35	2
8l	1	0	2	0	0	0.0	3	6	35	2
8m	1	0	2	0	0	0.0	3	5	35	2
8n	0	0	2	0	0	0.0	3	6	35	2
8o	0	0	2	0	0	0.0	3	4	35	2
8p	0	0	2	0	0	0.0	3	4	35	2
Mal1	1	0	4	1	1	0.0	6	12	43	2
Mal2	1	0	4	1	1	0.0	4	9	38	2
Mal3	1	0	4	1	1	0.0	4	10	40	2
Council/ State-owned receptors										
286e	1	0	3	1	1	0.0	3	8	37	2
286f	1	0	3	1	1	0.0	3	8	37	2
N1	2	0	8	1	1	0.0	3	16	36	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
N2	2	0	8	1	1	0.0	3	16	36	2
N3	2	0	8	1	1	0.0	3	16	36	2
N4	2	0	8	1	1	0.0	3	16	36	2
N5	2	0	8	1	1	0.0	3	16	36	2
N6	2	0	8	1	1	0.0	3	16	36	2
N7	2	0	8	1	1	0.0	3	16	36	2
N8	2	0	9	1	1	0.0	3	16	36	2
N9	2	0	9	1	1	0.0	3	16	36	2
N10	2	0	9	1	1	0.0	3	16	36	2
N11	2	0	8	1	1	0.0	3	16	36	2
N12	1	0	7	0	1	0.0	3	16	36	2
N13	1	0	7	0	1	0.0	3	16	36	2
N14	1	0	7	0	1	0.0	3	16	36	2
N15	1	0	7	0	1	0.0	3	16	36	2
N16	1	0	7	0	1	0.0	3	16	36	2
N17	1	0	7	1	1	0.0	3	16	36	2
N18	1	0	7	1	1	0.0	3	16	36	2
N19	1	0	7	1	1	0.0	3	16	36	2
N20	1	0	7	1	1	0.0	3	16	36	2
N21	1	0	7	1	1	0.0	3	16	36	2
N22	1	0	6	1	2	0.1	3	11	37	2
N23	1	0	6	1	2	0.0	3	11	37	2
N24	1	0	6	1	2	0.0	3	11	37	2
N25	1	0	5	1	1	0.0	3	11	36	2
N26	1	0	5	1	1	0.0	3	11	36	2
N27	1	0	5	1	1	0.0	3	11	36	2
N28	3	0	12	2	4	0.1	6	16	39	2
Aged care receptors										
658a	4	1	20	4	8	0.3	6	18	44	2
658b	4	1	19	4	8	0.3	6	18	44	2
658c	4	1	20	4	8	0.3	6	18	44	2
658d	4	1	20	4	8	0.3	6	18	44	2
658e	4	1	20	4	8	0.3	6	18	44	2
Prison receptors										
MP1	1	0	5	1	1	0.0	3	11	36	2
MP42	1	0	5	1	1	0.0	3	11	36	2
MP80	1	0	4	1	1	0.0	3	10	36	2
Commercial accommodation receptors										
622b	4	1	22	4	8	0.2	6	18	44	2
622c	4	1	22	4	8	0.2	6	18	44	2
622d	4	1	22	4	8	0.2	6	18	44	2
622e	4	1	22	4	8	0.2	6	18	44	2
622f	4	1	21	4	8	0.2	6	18	44	2
622g	4	1	21	4	8	0.2	6	18	44	2
622h	4	1	22	4	8	0.2	6	18	44	2
622i	4	1	22	4	8	0.2	6	18	44	2
622j	4	1	22	4	8	0.2	6	18	44	2
622k	4	1	22	4	8	0.2	6	18	44	2
622l	4	1	22	4	8	0.2	6	18	44	2
622m	4	1	22	4	8	0.2	6	18	44	2
622n	4	1	22	4	8	0.2	6	18	44	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	-	50	-	-	2	8	25	90	4
622o	4	1	22	4	8	0.2	6	18	44	2
622p	4	1	22	4	8	0.2	6	18	44	2
622q	4	1	22	4	8	0.2	6	18	44	2
622r	4	1	22	4	8	0.2	6	18	44	2
622s	4	1	22	4	8	0.2	6	18	44	2
622t	4	1	22	4	8	0.2	6	18	44	2
622u	5	1	22	4	8	0.2	6	18	44	2
622v	5	1	22	4	8	0.2	6	18	44	2
622w	4	1	21	4	8	0.2	6	18	44	2
622x	5	1	22	4	8	0.2	6	18	44	2
622y	4	1	22	4	8	0.2	6	18	44	2
622z	4	1	22	4	8	0.2	6	18	44	2
622aa	4	1	22	4	8	0.2	6	18	44	2
622ab	4	1	22	4	8	0.2	6	18	44	2
622ac	5	1	22	4	8	0.2	6	18	44	2
622ad	5	1	22	4	8	0.2	6	18	44	2
622ae	5	1	22	4	8	0.2	6	18	44	2
622af	4	1	22	4	8	0.2	6	18	44	2
622ag	4	1	22	4	8	0.2	6	18	44	2
975	1	0	7	1	1	0.0	3	16	36	2
Commercial receptors										
6	5	1	27	6	12	0.2	5	10	51	2
195e	2	0	12	2	3	0.1	3	13	38	2
140b-1	3	0	13	2	4	0.2	3	16	40	2
140b-2	3	0	12	2	4	0.2	3	16	40	2
140b-3	3	0	12	2	4	0.2	3	16	40	2
140b-4	3	0	13	2	4	0.2	3	16	40	2
202c	4	1	18	3	6	0.2	4	16	41	2
202d	4	1	19	3	6	0.2	4	16	42	2
202e	4	1	19	3	6	0.2	4	16	42	2
202f	4	1	19	3	6	0.2	4	16	41	2
202g	4	1	19	3	6	0.2	4	16	41	2
472d	1	0	2	0	0	0.0	3	6	35	2
472e	1	0	2	0	0	0.0	3	6	35	2
472f	1	0	3	0	1	0.0	3	6	35	2
472g	1	0	3	0	1	0.0	3	6	35	2
472h	1	0	3	0	1	0.0	3	6	35	2
472i	1	0	3	0	1	0.0	3	6	35	2
472j	1	0	2	0	0	0.0	3	6	35	2
472k	1	0	2	0	0	0.0	3	6	35	2
472l	1	0	3	0	1	0.0	3	6	35	2
472m	1	0	3	0	1	0.0	3	6	35	2
489	4	1	18	4	8	0.1	4	6	45	2
540	5	1	23	4	9	0.2	4	18	45	2
546a	5	1	24	5	10	0.2	4	18	46	2
546b	5	1	24	4	9	0.2	4	18	46	2
546c	5	1	24	4	9	0.2	4	18	46	2
617b	4	1	22	4	8	0.2	4	18	44	2
617c	5	1	22	4	8	0.2	4	18	44	2
617d	5	1	22	4	8	0.2	4	18	44	2
617e	5	1	22	4	8	0.2	4	18	44	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
617f	5	1	22	4	8	0.2	4	18	44	2
617g	4	1	22	4	8	0.2	4	18	44	2
617h	5	1	22	4	8	0.2	4	18	44	2
617i	5	1	22	4	8	0.2	4	18	44	2
620	4	1	21	4	8	0.2	4	18	44	2
622ah	4	1	22	4	8	0.2	4	18	44	2
622ai	4	1	22	4	8	0.2	4	18	44	2
611aj	4	1	21	4	8	0.2	4	18	44	2
622ak	4	1	21	4	8	0.2	4	18	44	2
625	4	1	21	4	8	0.2	4	18	44	2
629	4	1	21	4	8	0.2	4	18	44	2
626	4	1	21	4	8	0.2	4	18	44	2
627	4	1	21	4	8	0.2	4	18	44	2
628	4	1	21	4	8	0.2	4	18	44	2
630a	4	1	20	4	7	0.2	6	18	43	2
630b	4	1	21	4	7	0.2	4	18	44	2
630c	4	1	21	4	7	0.2	4	18	44	2
630d	4	1	20	3	7	0.2	4	18	43	2
656	4	1	20	4	8	0.3	4	18	44	2
674a	4	1	20	4	9	0.3	4	18	45	2
674b	4	1	21	4	9	0.3	4	18	45	2
818a	3	1	15	3	7	0.2	4	17	43	2
818b	3	1	15	3	7	0.2	4	17	43	2
844b	3	1	13	3	6	0.2	4	16	41	2
872b	3	0	13	2	4	0.1	3	16	39	2
1085	1	0	6	0	1	0.0	3	16	36	2
2ap	2	0	8	1	2	0.0	3	5	37	2
2aq	2	0	7	1	2	0.0	3	6	37	2
2ar	2	0	7	1	2	0.0	3	6	37	2
5h	1	0	3	0	1	0.0	3	6	35	2
5w	1	0	4	0	1	0.0	3	6	36	2
5an	1	0	3	0	1	0.0	3	6	35	2
5ao	1	0	3	0	1	0.0	3	6	35	2
5ap	1	0	4	0	1	0.0	3	6	36	2
8q	0	0	2	0	0	0.0	3	5	35	2
Mal4	1	0	4	1	1	0.0	**16**	**30**	70	2
Mal5	1	0	4	1	1	0.0	**15**	**28**	67	2
Mal6	1	0	4	1	1	0.0	**16**	**29**	69	2
UHSC2	2	0	11	1	1	0.0	3	16	36	2
UHSC3	2	0	11	1	1	0.0	3	16	36	2
UHSC4	2	0	11	1	1	0.0	3	16	36	2
N29	1	0	7	1	2	0.1	3	12	37	2
School receptors										
N30	4	1	21	4	8	0.3	4	18	45	2
N31	4	1	21	4	8	0.3	4	18	45	2
N32	4	1	21	4	8	0.3	4	18	45	2
N33	4	1	21	4	8	0.3	4	18	45	2
Church receptors										
520	2	0	9	1	3	0.1	3	14	38	2
658b	4	1	19	4	8	0.3	6	18	44	2
658c	4	1	20	4	8	0.3	6	18	44	2

Receptor ID	$PM_{2.5}$ (µg/m³)		PM_{10} (µg/m³)		TSP (µg/m³)	DD (g/m²/mth)	$PM_{2.5}$ (µg/m³)	PM_{10} (µg/m³)	TSP (µg/m³)	DD (g/m²/mth)
	Project impact						Total impact			
	24-hr ave.	Ann. ave.	24-hr ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.	Ann. ave.
	Air quality impact criteria									
	25	**-**	**50**	**-**	**-**	**2**	**8**	**25**	**90**	**4**
616c	5	1	22	4	8	0.2	4	18	44	2
N34	1	0	5	1	1	0.0	3	11	36	2
Heritage receptors										
H1	1	0	2	0	0	0.0	3	6	35	2
H2	4	1	20	4	8	0.3	4	18	44	2
H3	7	2	34	8	17	0.3	5	14	58	2
H4	7	2	35	9	19	0.3	6	14	62	2
H5	7	2	35	9	19	0.3	6	14	62	2
H6	7	2	35	9	19	0.3	6	14	62	2
H7	8	2	36	9	19	0.3	6	15	63	2
H8	8	2	36	9	19	0.3	6	15	63	2
H9	8	2	37	9	20	0.3	6	15	64	2
H10	12	3	**56**	13	29	0.5	7	21	73	3
H11	4	1	21	4	9	0.2	4	7	46	2
H12	3	1	15	3	6	0.1	4	5	42	2
H13	3	1	15	3	6	0.1	4	5	42	2
H14	3	1	15	3	6	0.1	4	5	42	2
H15	3	1	15	3	6	0.1	4	5	42	2
H16	3	1	15	3	6	0.1	4	5	42	2
H17	3	1	15	3	6	0.1	4	5	42	2
H18	3	1	15	3	6	0.1	4	5	42	2
H19	1	0	5	1	1	0.0	3	12	36	2

Cumulative annual average predictions if other mines continue (not approved/proposed)

Table D-7 summarises the privately-owned receptor locations where impacts are predicted to exceed relevant assessment criteria in Scenario 1 if all nearby mining operations were to continue as shown in **Table 6-4**. Four receptor locations are predicted to experience cumulative annual average PM_{10} levels above 25µg/m³.

The results in **Table D-7** indicate the Project is predicted to contribute approximately 2% to the predicted cumulative level at Receptor 43, with only minimal contribution (approximately 1%) at Receptors 487, 488a and 488b. At each receptor, the predicted exceedance would occur with or without the Project.

Table D-7: Summary of modelling results where residential receptors are predicted to exceed criteria – Scenario 1 (µg/m³)

Receptor ID	Incremental annual ave. PM_{10} – Project alone	Other mines + background	Cumulative annual ave. PM_{10}
43	1	34	35
487	0	27	28
488a	0	44	44
488b	0	35	35

Table D-8 summarises the privately-owned receptor locations where impacts are predicted to exceed relevant assessment criteria in Scenario 2 if all nearby mining operations were to continue as shown in **Table 6-4**. Four receptor locations are predicted to experience cumulative annual average PM_{10} levels above 25µg/m³ and one receptor location is predicted to experience cumulative annual average TSP levels above 90µg/m³.

The results in **Table D-8** indicates the Project is predicted to contribute approximately 1% to 2% to the predicted cumulative level at Receptors 43, 487, 488a and 488b. At each receptor, the predicted exceedance would occur with or without the Project.

Table D-8: Summary of modelling results where residential receptors are predicted to exceed criteria – Scenario 2 (µg/m³)

Receptor ID	Incremental annual ave. PM_{10} – Project alone	Other mines + background	Cumulative annual ave. PM_{10}
43	1	39	40
487	0	32	33
488a	1	52	53
488b	1	40	40
Receptor ID	**Incremental annual ave. TSP – Project alone**	**Other mines + background**	**Cumulative annual ave. TSP**
488a	1	97	98

Table D-9 summarises the privately-owned receptor locations where impacts are predicted to exceed relevant cumulative assessment criteria in Scenario 3 if all nearby mining operations were to continue as shown in **Table 6-4**. Nine receptor locations are predicted to experience cumulative annual average PM_{10} levels above 25µg/m³, three receptor locations are predicted to experience cumulative annual average TSP levels above 90µg/m³ and one receptor location is predicted to experience cumulative annual average $PM_{2.5}$ levels above 8µg/m³.

The results in **Table D-9** indicates the Project is predicted to contribute approximately 1% to 2% to the predicted cumulative level at the receptors. At each receptor, the predicted exceedance would occur with or without the Project.

Table D-9: Summary of modelling results where residential receptors are predicted to exceed criteria – Scenario 3

Receptor ID	Incremental annual ave. PM_{10} – Project alone	Other mines + background	Cumulative annual ave. PM_{10}
43	1	49	47
249	0	28	28
257	1	25	26
298	0	26	26
296a	0	30	30
296b	0	28	29
487	1	40	40
488a	1	60	60
488b	1	49	49
Receptor ID	**Incremental annual ave. TSP – Project alone**	**Other mines + background**	**Cumulative annual ave. TSP**
43	2	100	102
488a	1	108	109
488b	1	94	96
Receptor ID	**Incremental annual ave. $PM_{2.5}$ – Project alone**	**Other mines + background**	**Cumulative annual ave. $PM_{2.5}$**
488a	0	8	8

Table D-10 summarises the privately-owned receptor locations where impacts are predicted to exceed relevant cumulative assessment criteria in Scenario 4 if all nearby mining operations were to continue as shown in **Table 6-4**. 16 receptor locations are predicted to experience cumulative annual average PM_{10} levels above 25µg/m^3, four receptor locations are predicted to experience cumulative annual average TSP levels above 90µg/m^3, three receptor locations are predicted to experience cumulative annual average $PM_{2.5}$ levels above 8µg/m^3 and two receptor locations are predicted to experience cumulative annual average dust deposition levels above 4g/m^2/month.

The results in **Table D-10** indicate the Project is predicted to contribute approximately 49% to the predicted cumulative PM_{10} level at Receptor 154 and 154b. For all other receptors, the predicted contribution is approximately 1% to 2%. The predicted contribution to the cumulative level at Receptors 43, 487, 488a and 488b for TSP, $PM_{2.5}$ and dust deposition is approximately 1% in Scenario 4. With the exception of the cumulative annual average PM_{10} concentrations at Receptors 154, 154b and 260, the exceedances predicted at each receptor would occur with or without the Project.

Table D-10: Summary of modelling results where residential receptors are predicted to exceed criteria – Scenario 4

Receptor ID	Incremental annual ave. PM_{10} – Project alone	Other mines + background	Cumulative annual ave. PM_{10}
43	1	67	68
47	1	26	26
154	14	15	29
154b	14	15	29
249	0	33	34
257	1	27	27
260	1	24	25
260a	0	25	25
261b	0	25	25
300	0	29	29
298	0	31	32
296a	0	38	38
296b	0	35	36
487	1	56	56
488a	1	100	101
488b	1	67	68
Receptor ID	**Incremental annual ave. TSP – Project alone**	**Other mines + background**	**Cumulative annual ave. TSP**
43	2	131	133
487	1	105	106
488a	1	168	169
488b	1	123	124
Receptor ID	**Incremental annual ave. $PM_{2.5}$ – Project alone**	**Other mines + background**	**Cumulative annual ave. $PM_{2.5}$**
43	0	9	9
488a	0	12	12
488b	0	9	9
Receptor ID	**Incremental annual ave. DD – Project alone ***	**Other mines + background ***	**Cumulative annual ave. DD ***
43	0	4.4	4.4
488a	0	4.4	4.4

DD = *g/m^2/month

Table D-11 summarises the privately-owned receptor locations where impacts are predicted to exceed relevant cumulative assessment criteria in Scenario 5 if all nearby mining operations were to continue as shown in **Table 6-4**. 25 receptor locations are predicted to experience cumulative annual average PM_{10} levels above 25µg/m^3, eight receptor locations are predicted to experience cumulative annual average TSP levels above 90µg/m^3, six receptor locations are predicted to experience cumulative annual average $PM_{2.5}$ levels above 8µg/m^3 and two receptor locations are predicted to experience cumulative annual average dust deposition levels above 4g/m^2/month.

The results in **Table D-11** indicate the Project is predicted to contribute approximately 43-44% to the predicted cumulative PM_{10} level at Receptors 154 and 154b. For all other receptors, the predicted contribution is approximately 1% to 3%. The predicted contribution to the cumulative level at the receptors for TSP, $PM_{2.5}$ and dust deposition is approximately 1% to 2% in Scenario 5. At each receptor, the predicted exceedance would occur with or without the Project.

Table D-11: Summary of modelling results where residential receptors are predicted to exceed criteria – Scenario 5

Receptor ID	Incremental annual ave. PM_{10} – Project alone	Other mines + background	Cumulative annual ave. PM_{10}
43	1	79	81
43b	1	25	26
47	1	29	30
154	12	14	26
154b	12	15	27
249	1	43	44
257	1	26	27
260	1	24	25
260a	1	24	25
260b	1	24	25
261	1	25	26
261b	1	26	27
292	0	35	35
292b	0	32	32
300	0	54	54
298	0	59	59
296a	1	71	72
296b	0	66	66
302a	0	36	36
302c	0	31	31
475	0	35	35
475b	0	35	35
487	1	118	119
488a	1	173	174
488b	1	97	98
Receptor ID	**Incremental annual ave. TSP – Project alone**	**Other mines + background**	**Cumulative annual ave. TSP**
43	3	144	147
300	1	100	101
298	1	107	108
296a	1	126	127
296b	1	117	118
487	1	190	191
488a	1	262	263
488b	1	165	166

Receptor ID	Incremental annual ave. $PM_{2.5}$ – Project alone	Other mines + background	Cumulative annual ave. $PM_{2.5}$
43	0	10	10
296a	0	9	9
296b	0	8	8
487	0	13	13
488a	0	17	17
488b	0	11	11
Receptor ID	**Incremental annual ave. DD – Project alone ***	**Other mines + background ***	**Cumulative annual ave. DD ***
43	0	4.4	4.4
488a	0	4.3	4.3

Table D-12 summarises the privately-owned receptor locations where impacts are predicted to exceed relevant cumulative assessment criteria in Scenario 6 if all nearby mining operations were to continue as shown in **Table 6-4**.

33 receptor locations are predicted to experience cumulative annual average PM_{10} levels above 25µg/m^3, nine receptor locations are predicted to experience cumulative annual average TSP levels above 90µg/m^3, eight receptor locations are predicted to experience cumulative annual average $PM_{2.5}$ levels above 8µg/m^3 and three receptor locations are predicted to experience cumulative annual average dust deposition levels above 4g/m^2/month.

The results in **Table D-12** indicate the Project is predicted to contribute approximately 1% to 2% to the predicted cumulative level at the receptors. The predicted contribution to the cumulative level at the receptors for TSP, $PM_{2.5}$ and dust deposition is approximately 1% to 2% in Scenario 6. At each receiver, the predicted exceedance would occur with or without the Project.

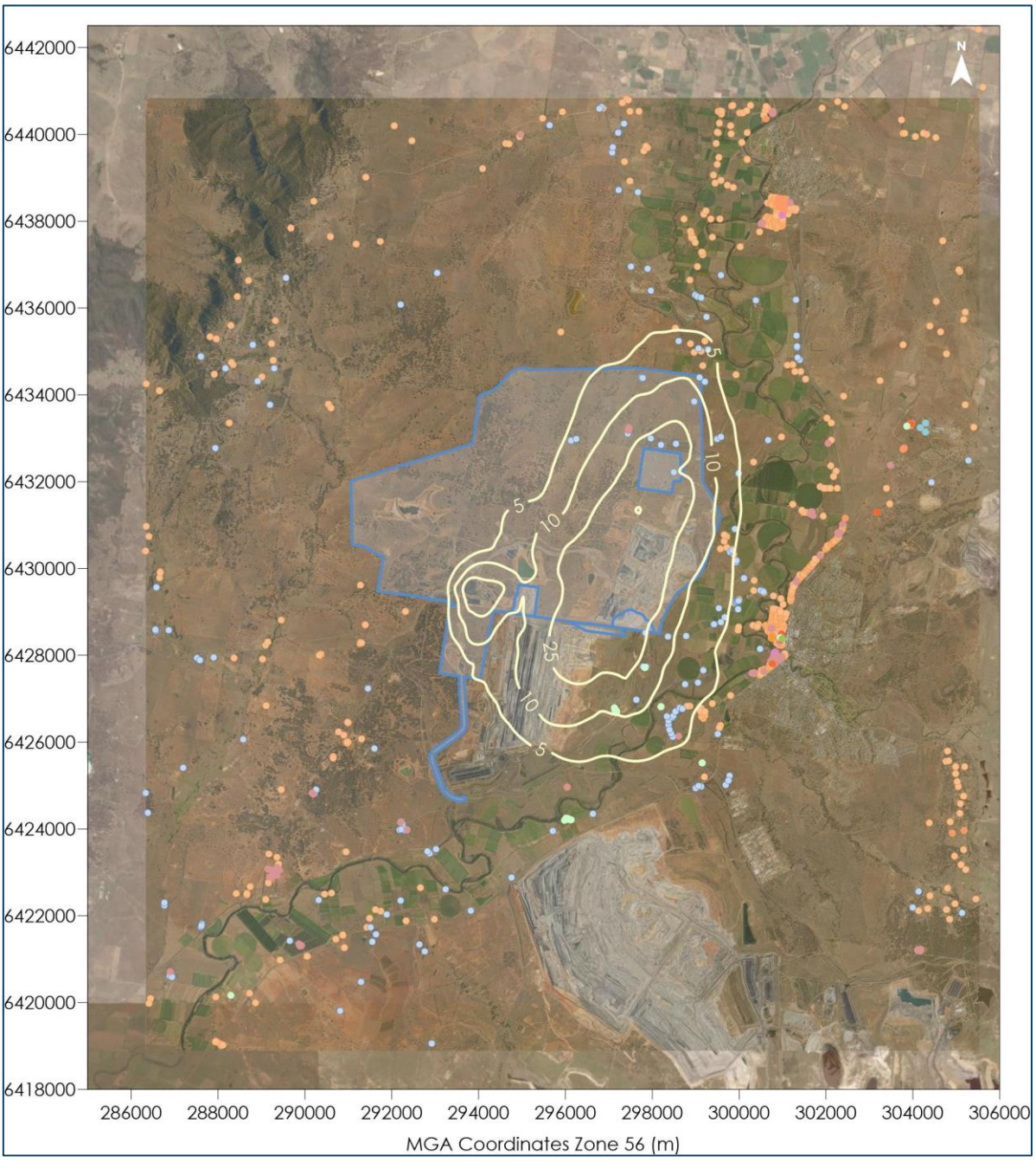
Table D-12: Summary of modelling results where residential receptors are predicted to exceed criteria – Scenario 6

Receptor ID	Incremental annual ave. PM_{10} – Project alone	Other mines + background	Cumulative annual ave. PM_{10}
43	1	120	121
43b	1	33	34
45	1	32	33
45b	1	33	34
45c	1	34	34
47	1	35	36
249	0	47	47
257	1	30	31
258a	1	25	26
258c	1	25	25
259	1	25	26
260	1	27	27
260a	1	26	27
260b	1	26	27
261	0	27	27
261b	0	27	27
292	0	39	40
292b	0	37	37
300	0	63	63
298	0	66	66
296a	0	76	76
296b	0	70	71

Receptor ID	Incremental annual ave. PM_{10} – Project alone	Other mines + background	Cumulative annual ave. PM_{10}
302a	0	43	43
302c	0	36	36
470	0	27	27
471	0	25	25
472a	0	27	27
472b	0	27	27
475	0	41	42
475b	0	41	42
487	0	126	127
488a	1	240	240
488b	1	124	124
Receptor ID	**Incremental annual ave. TSP – Project alone**	**Other mines + background**	**Cumulative annual ave. TSP**
43	2	206	208
249	1	89	90
300	1	114	114
298	1	118	119
296a	1	132	133
296b	1	125	125
487	1	201	202
488a	1	367	368
488b	1	206	207
Receptor ID	**Incremental annual ave. $PM_{2.5}$ – Project alone**	**Other mines + background**	**Cumulative annual ave. $PM_{2.5}$**
43	0	13	13
300	0	8	8
298	0	8	8
296a	0	9	9
296b	0	9	9
487	0	13	13
488a	0	24	24
488b	0	14	14
Receptor ID	**Incremental annual ave. DD – Project alone ***	**Other mines + background ***	**Cumulative annual ave. DD ***
43	0	5.5	5.5
488a	0	8.6	8.6
488b	0	4.3	4.3

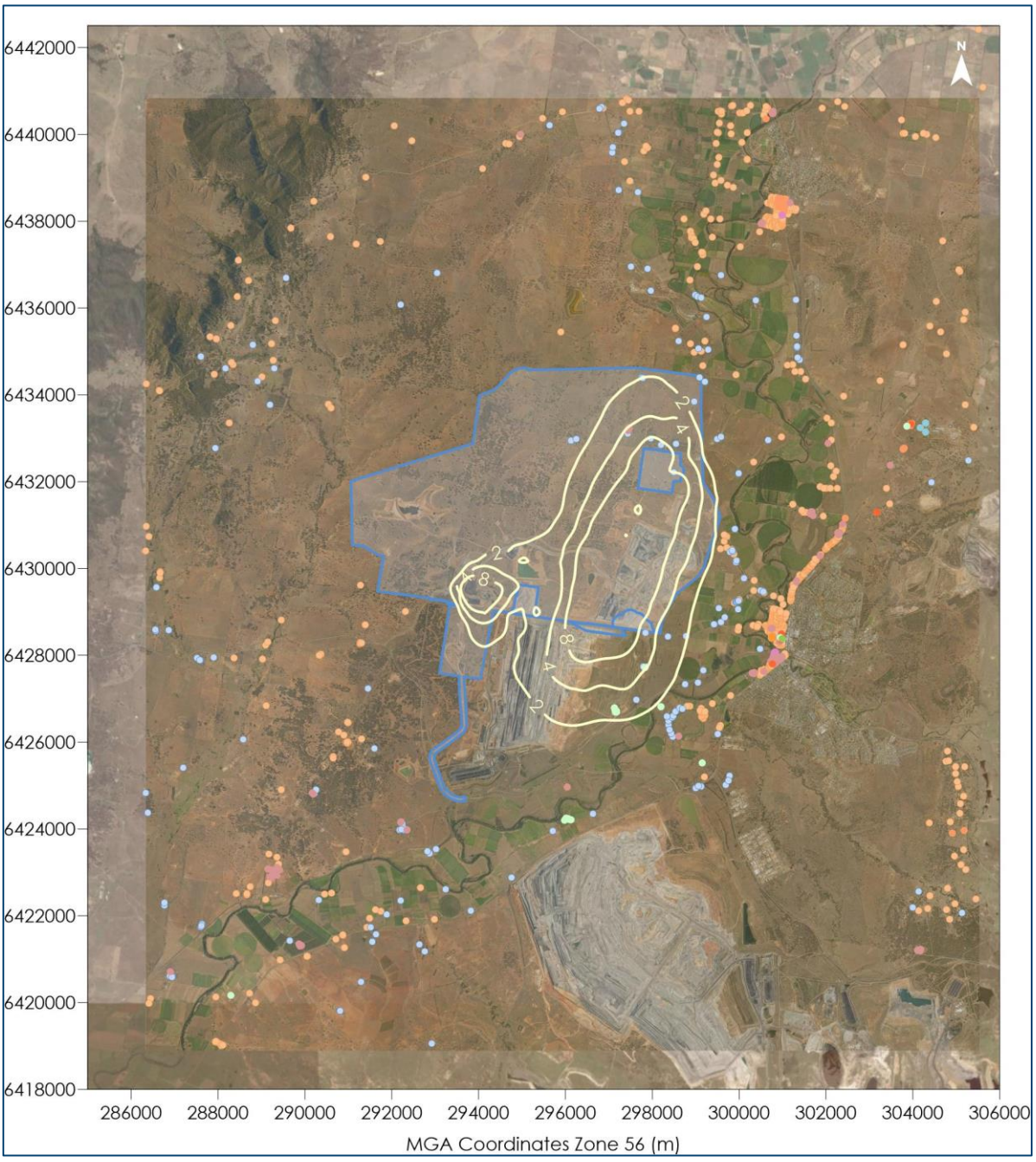
Appendix E

Isopleth Diagrams



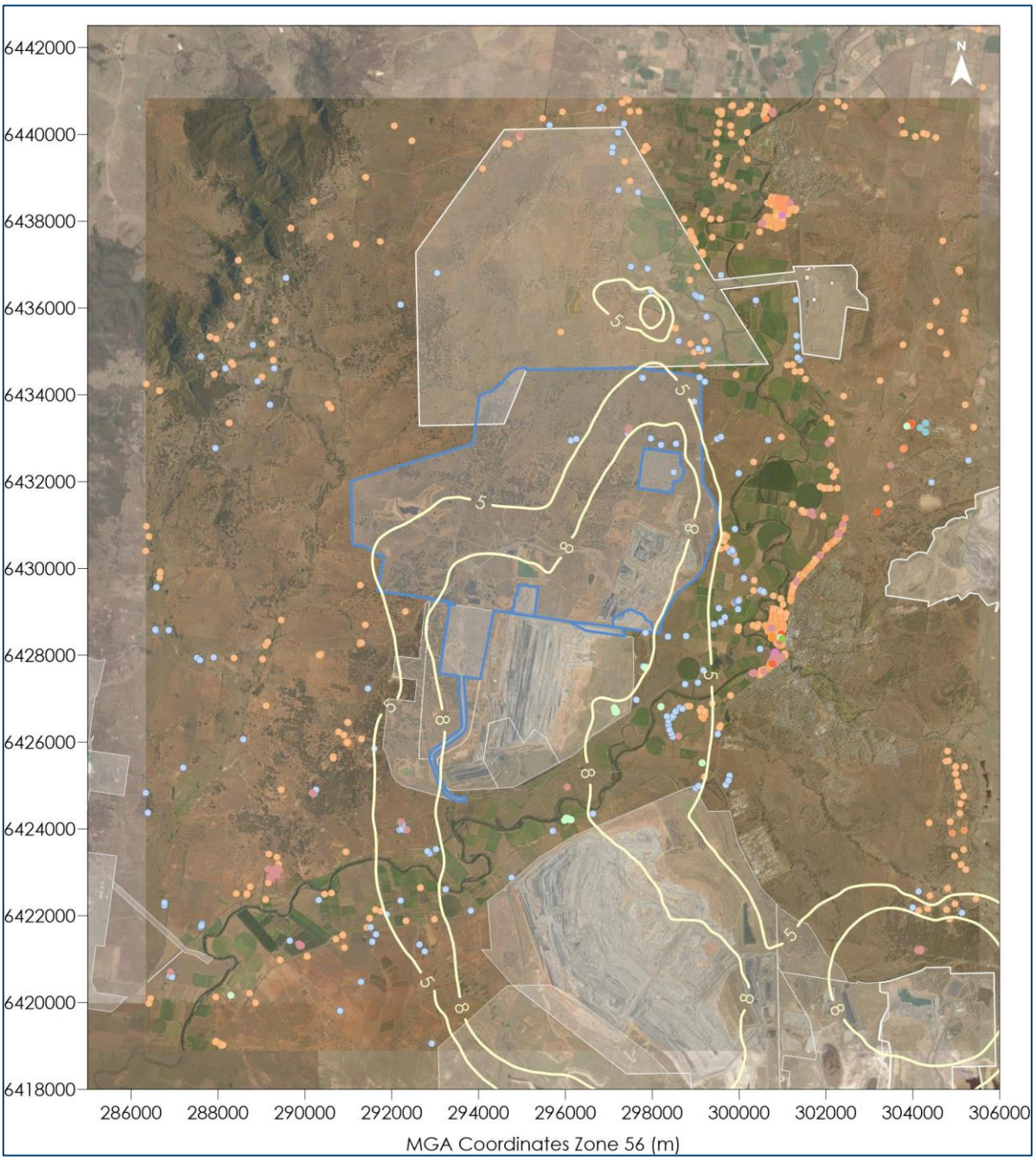
Refer to **Figure 2-1** for receiver legend

Figure E-1: Predicted maximum 24-hour average $PM_{2.5}$ concentrations due to emissions from the Project in Scenario 1 (µg/m³)



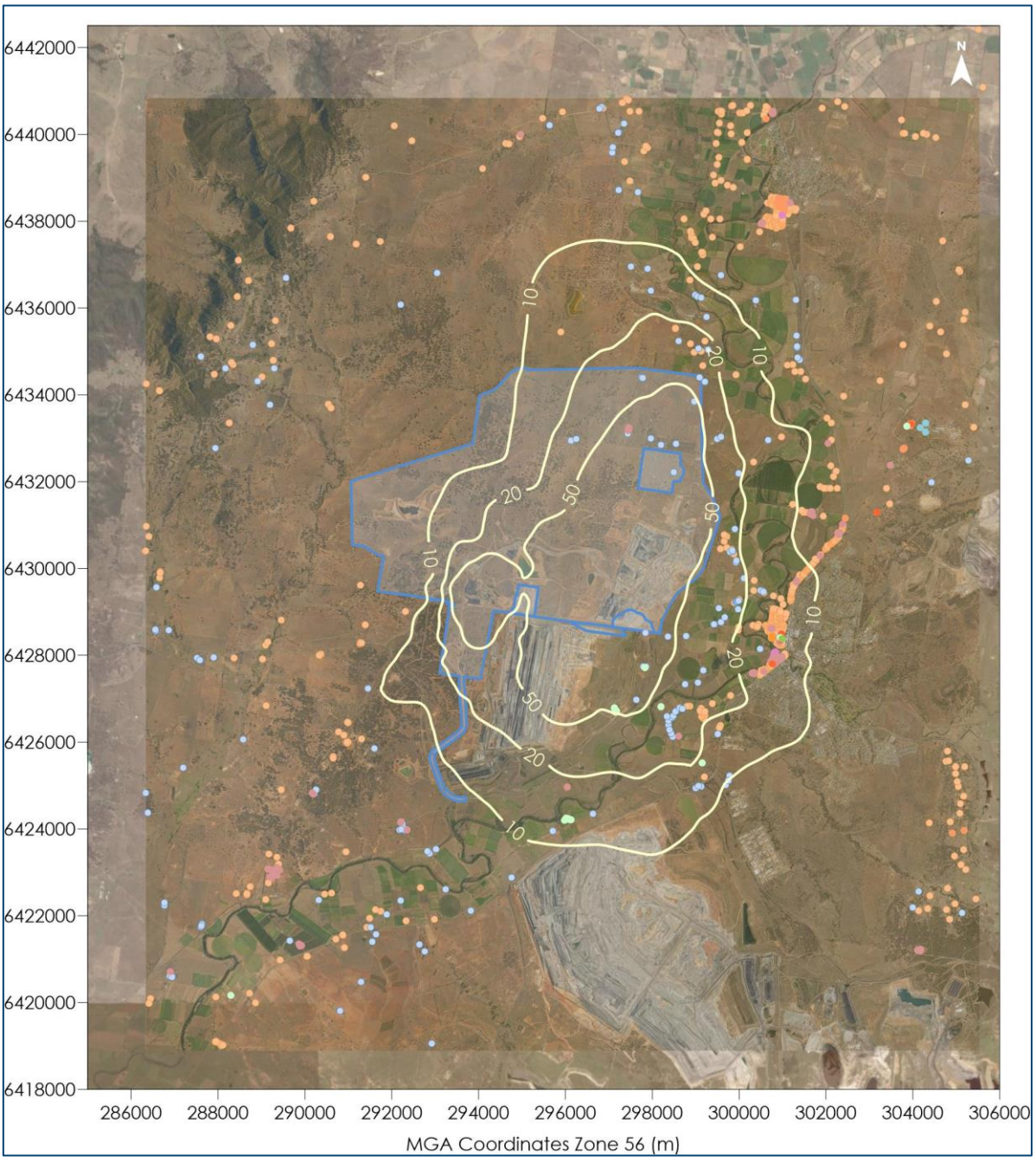
Refer to **Figure 2-1** for receiver legend

Figure E-2: Predicted annual average $PM_{2.5}$ concentrations due to emissions from the Project in Scenario 1 (µg/m³)



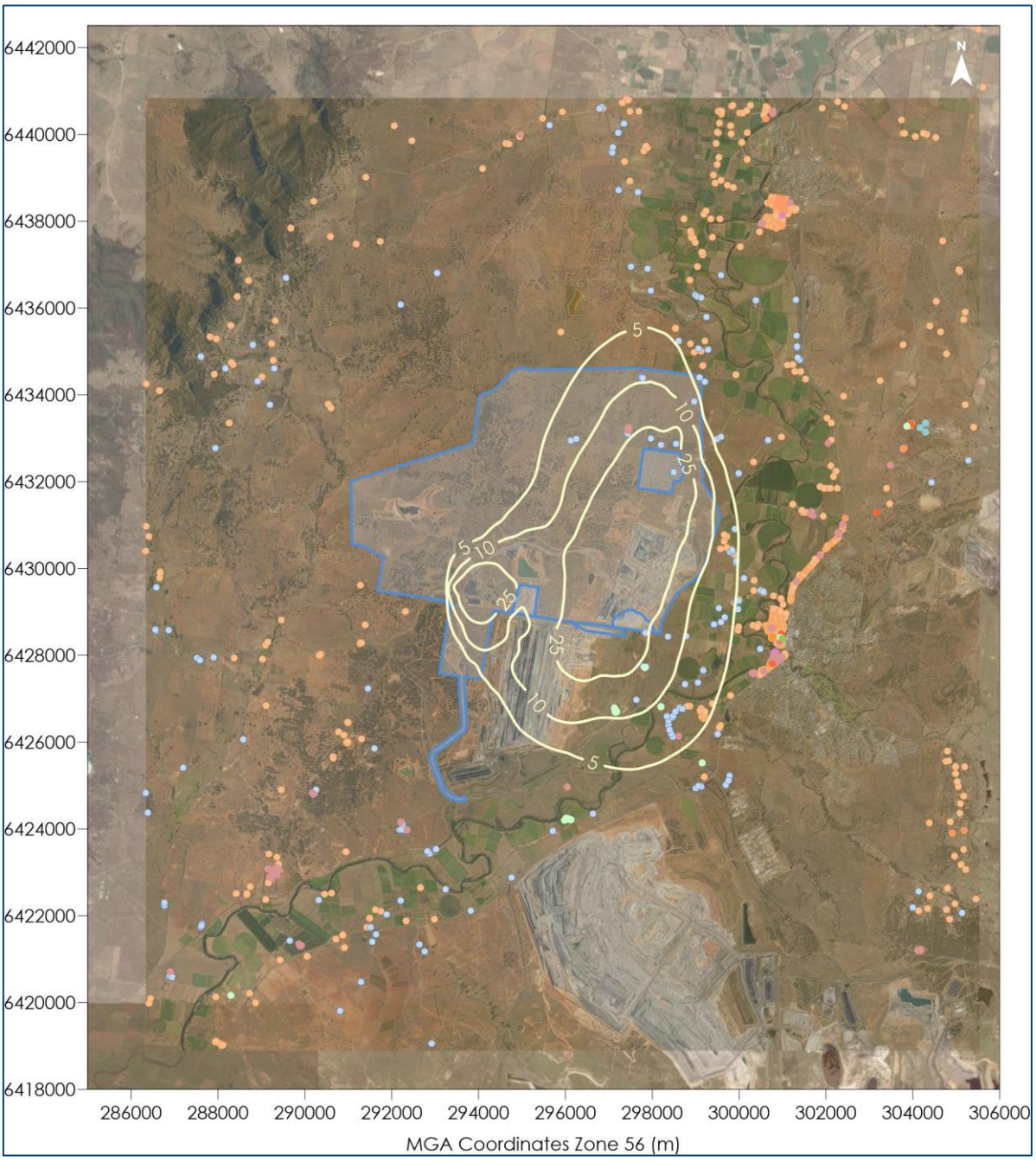
Refer to **Figure 2-1** for receiver legend

Figure E-3: Predicted annual average $PM_{2.5}$ concentrations due to emissions from the Project and other sources in Scenario 1 (µg/m³)



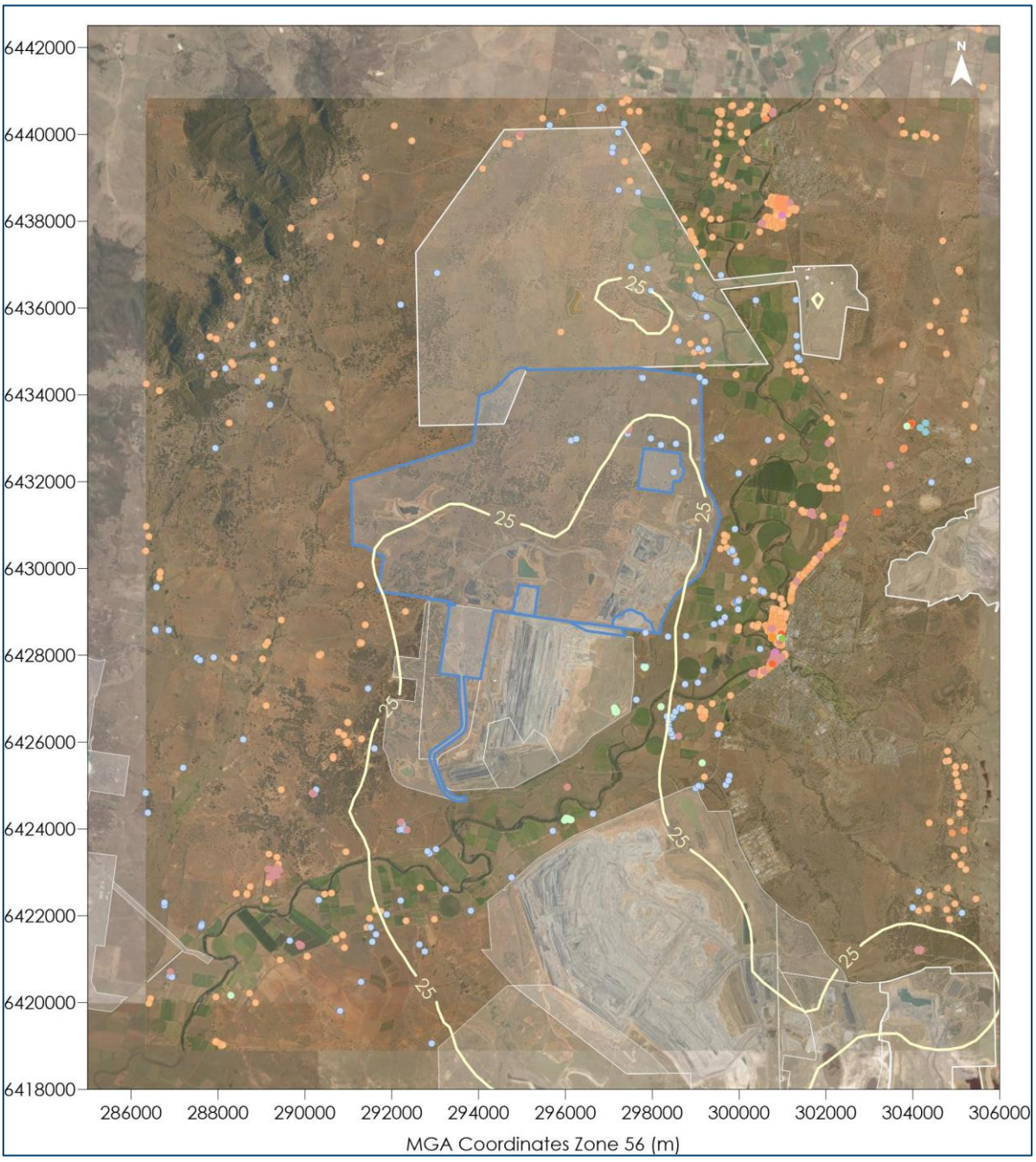
Refer to **Figure 2-1** for receiver legend

Figure E-4: Predicted maximum 24-hour average PM_{10} concentrations due to emissions from the Project in Scenario 1 (µg/m³)



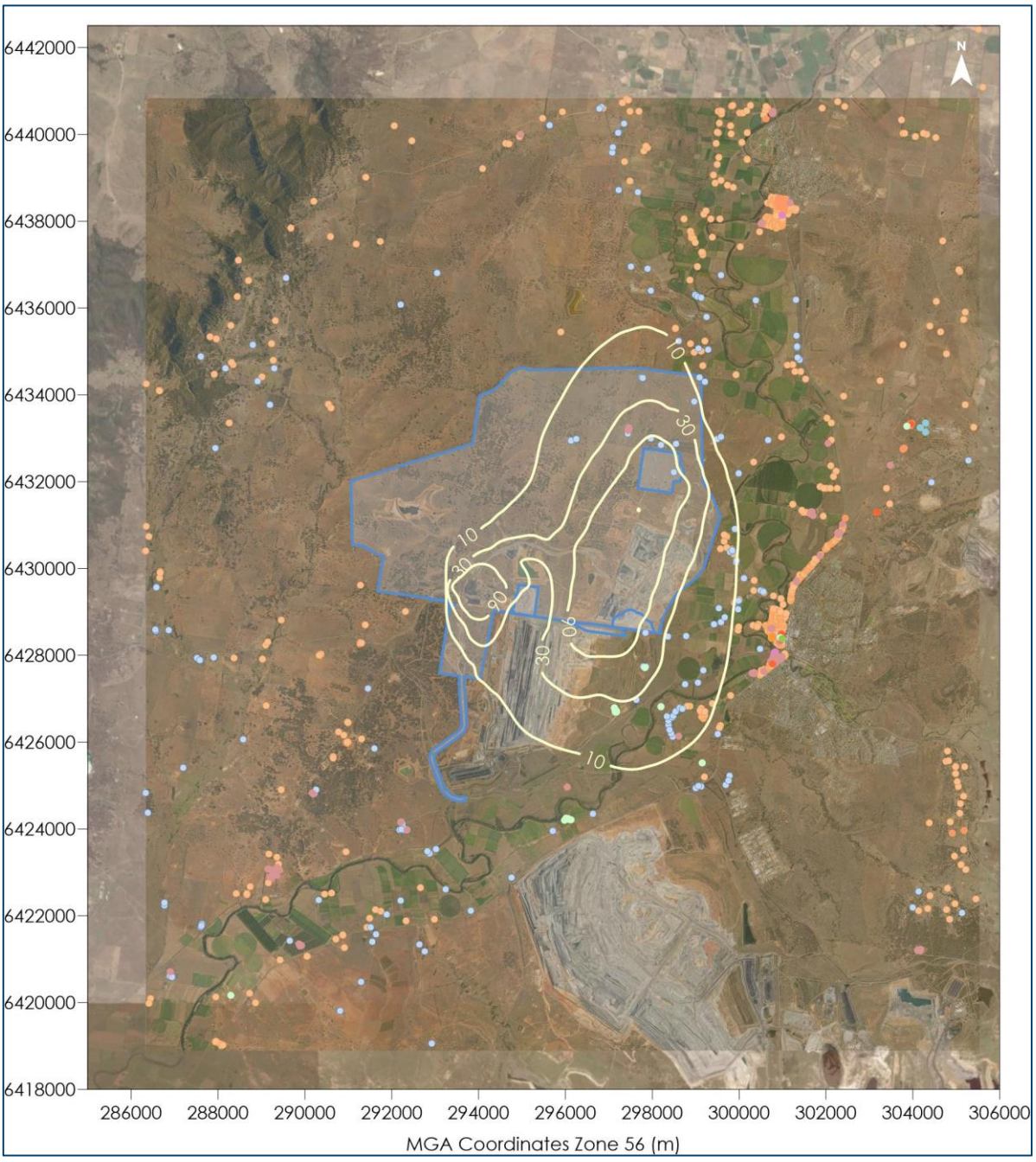
Refer to **Figure 2-1** for receiver legend

Figure E-5: Predicted annual average PM_{10} concentrations due to emissions from the Project in Scenario 1 (µg/m³)



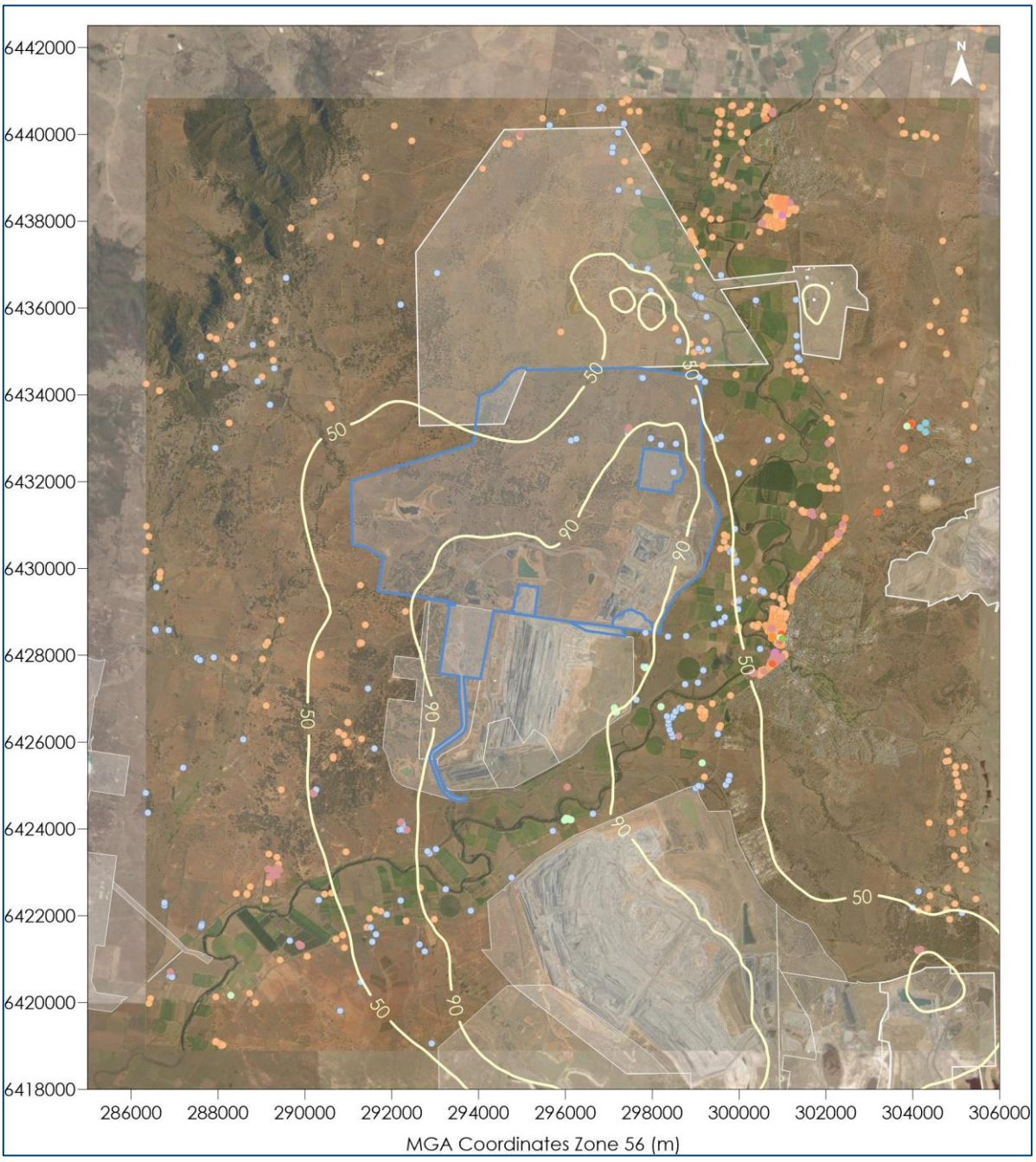
Refer to **Figure 2-1** for receiver legend

Figure E-6: Predicted annual average PM_{10} concentrations due to emissions from the Project and other sources in Scenario 1 (µg/m³)



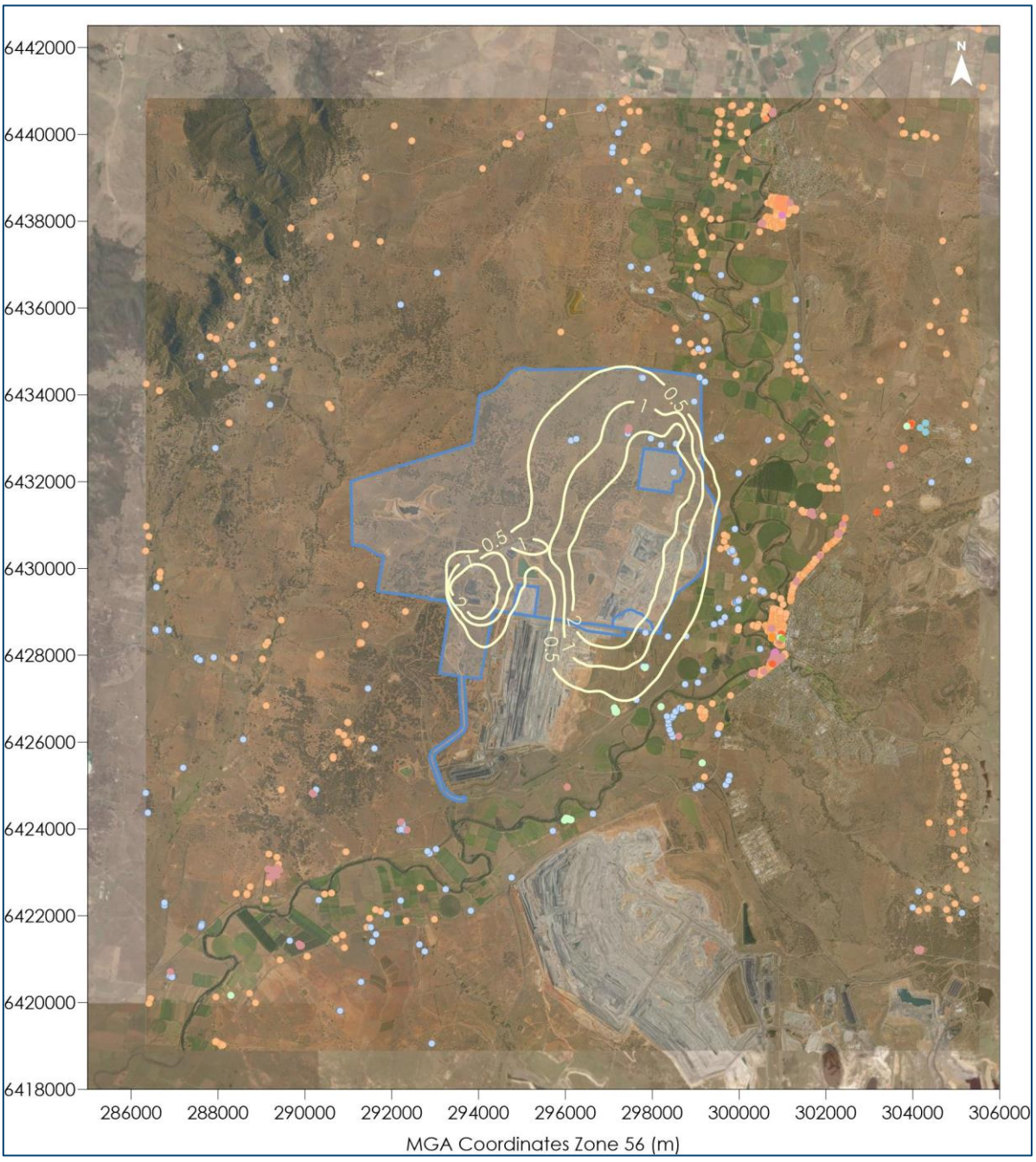
Refer to **Figure 2-1** for receiver legend

Figure E-7: Predicted annual average TSP concentrations due to emissions from the Project in Scenario 1 (µg/m³)



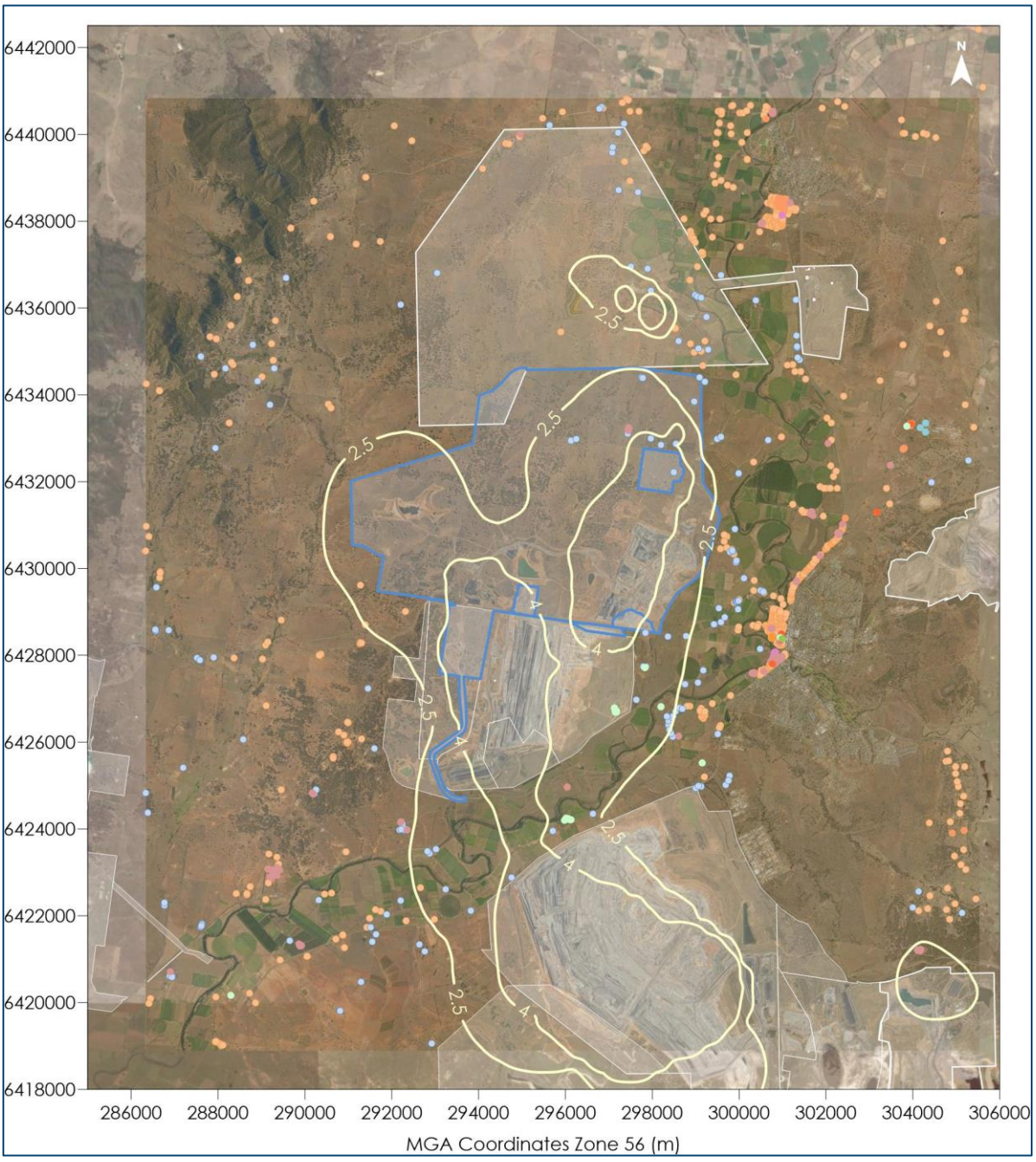
Refer to **Figure 2-1** for receiver legend

Figure E-8: Predicted annual average TSP concentrations due to emissions from the Project and other sources in Scenario 1 (µg/m³)



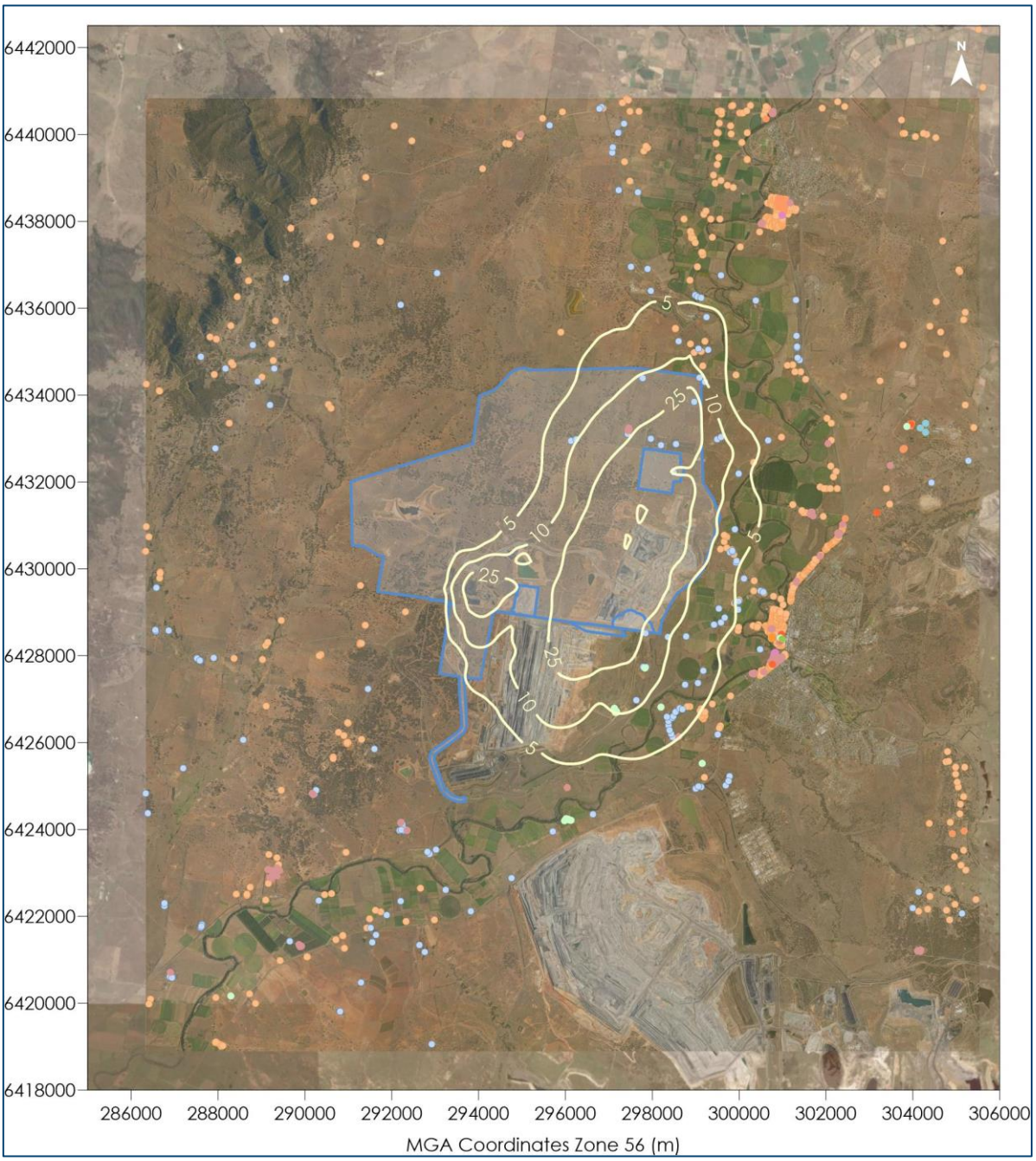
Refer to **Figure 2-1** for receiver legend

Figure E-9: Predicted annual average dust deposition levels due to emissions from the Project in Scenario 1 (g/m²/month)



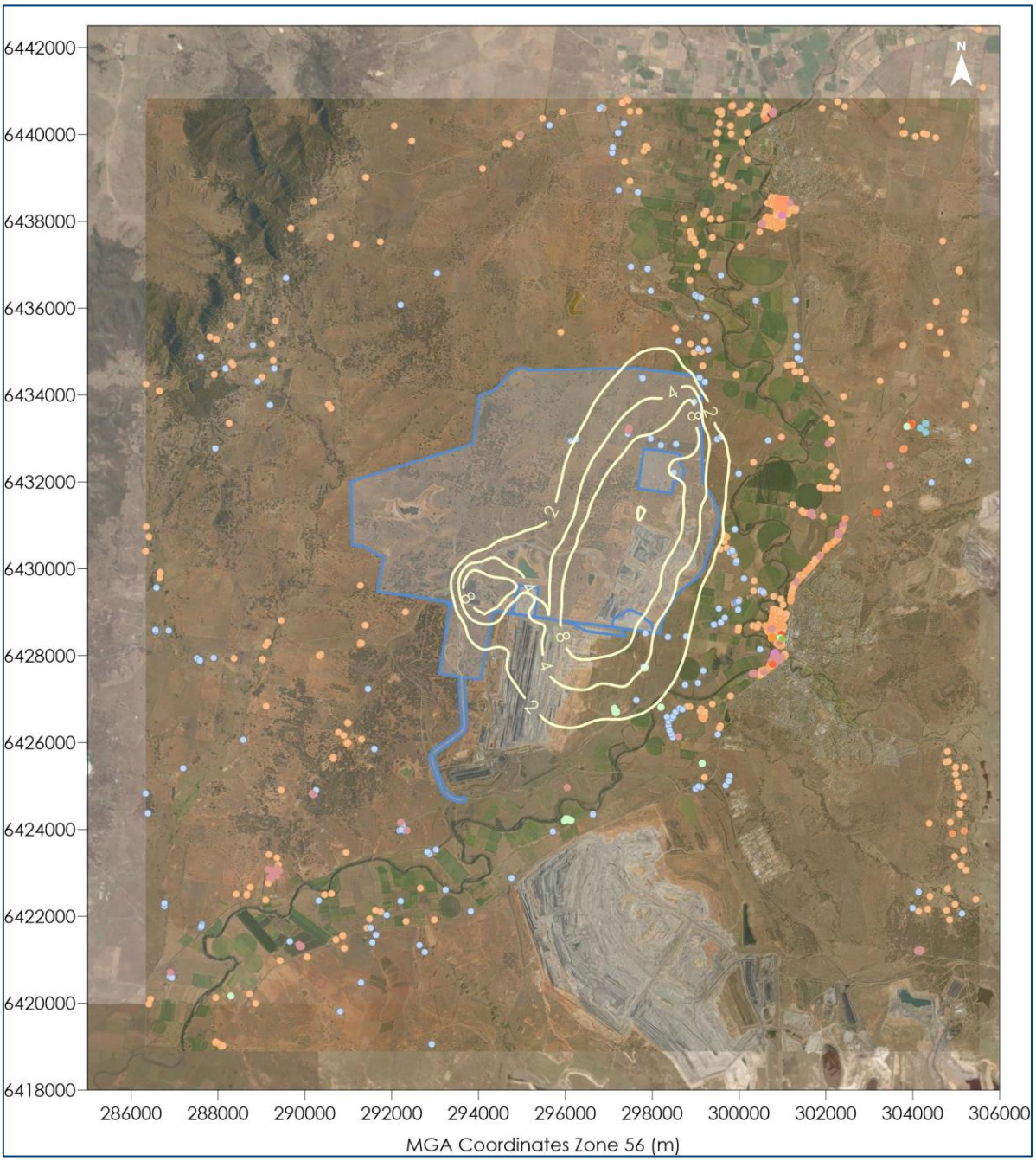
Refer to **Figure 2-1** for receiver legend

Figure E-10: Predicted annual average dust deposition levels due to emissions from the Project and other sources in Scenario 1 (g/m²/month)



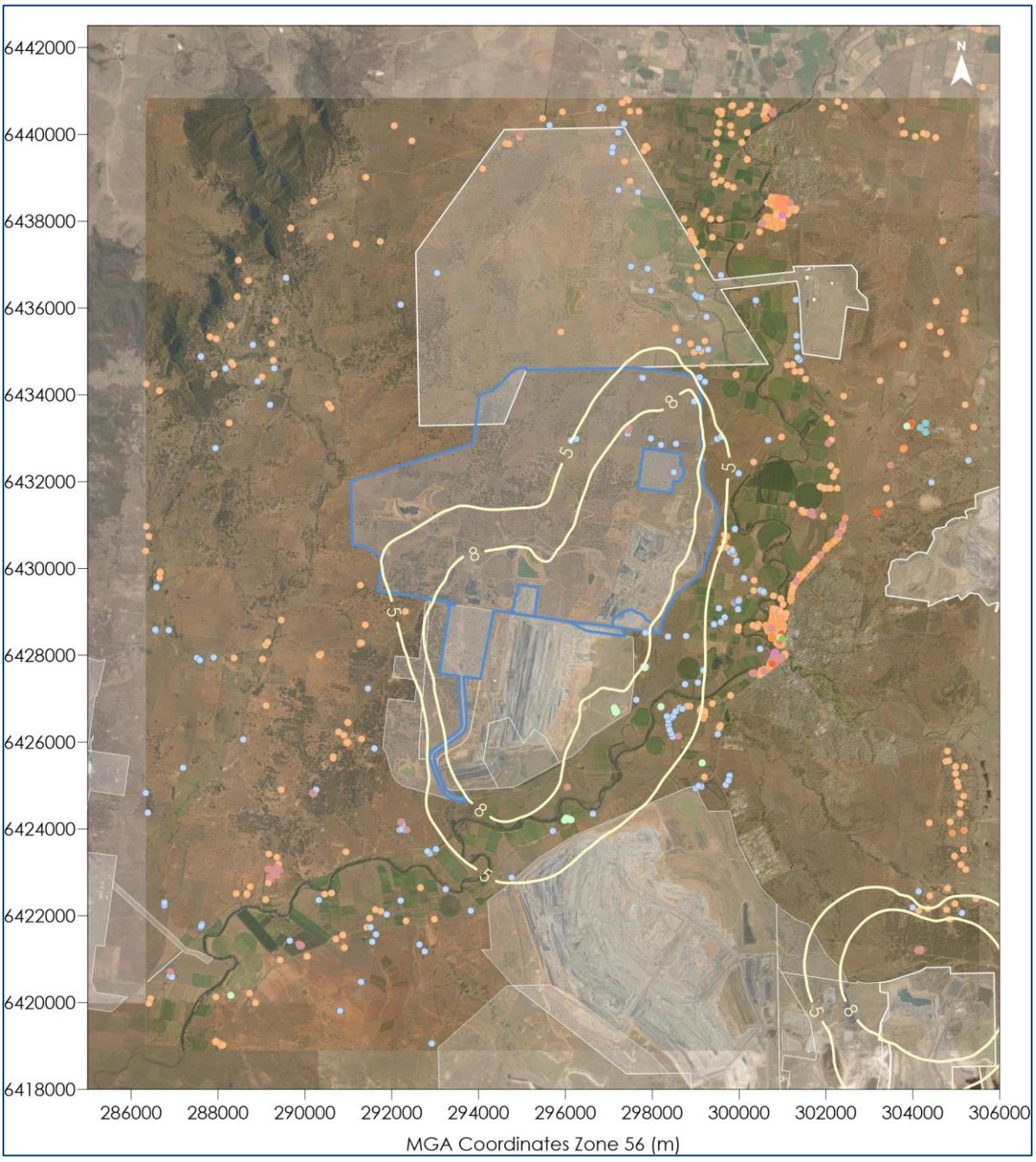
Refer to **Figure 2-1** for receiver legend

Figure E-11: Predicted maximum 24-hour average $PM_{2.5}$ concentrations due to emissions from the Project in Scenario 2 (µg/m³)



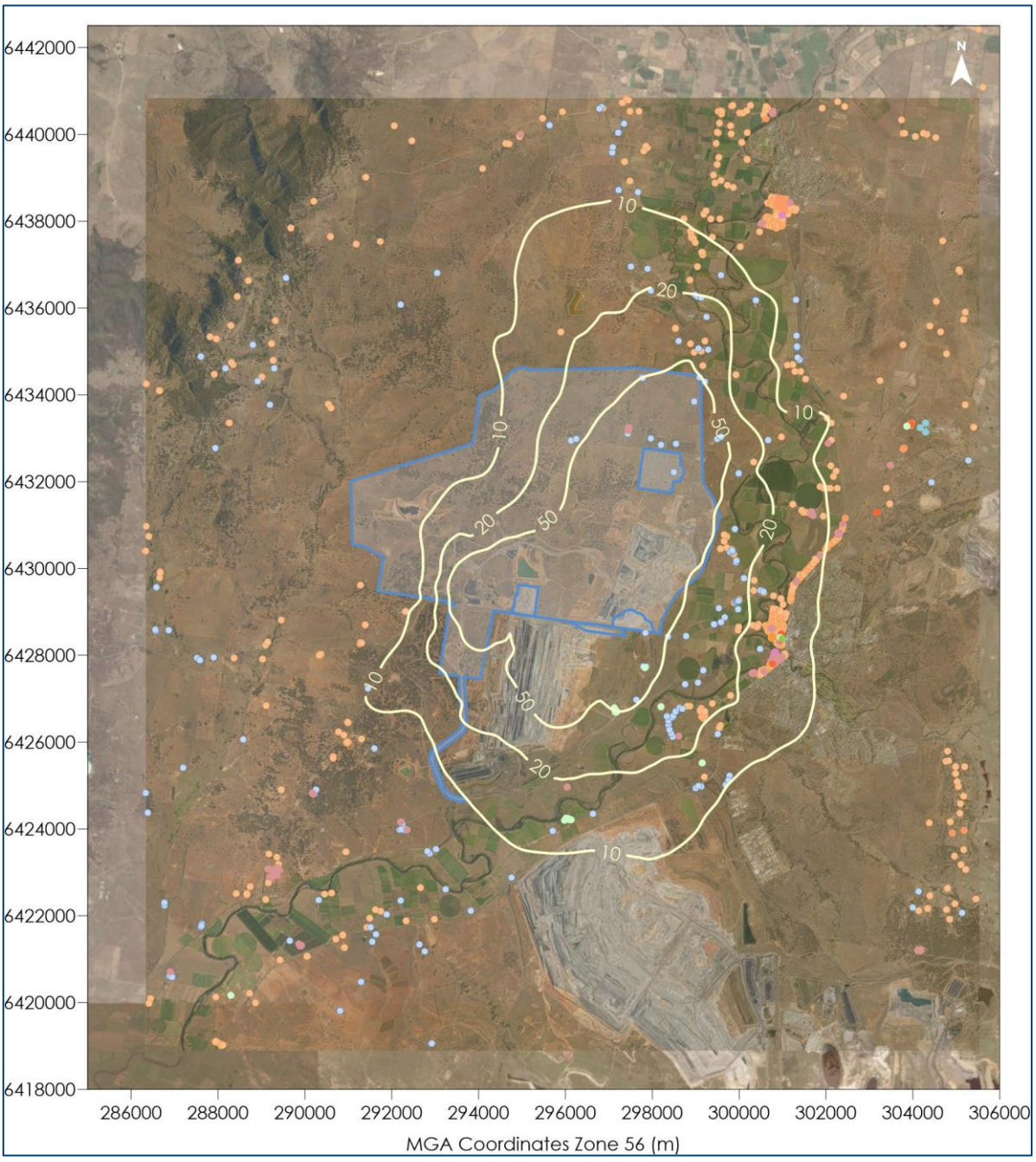
Refer to **Figure 2-1** for receiver legend

Figure E-12: Predicted annual average $PM_{2.5}$ concentrations due to emissions from the Project in Scenario 2 (µg/m³)



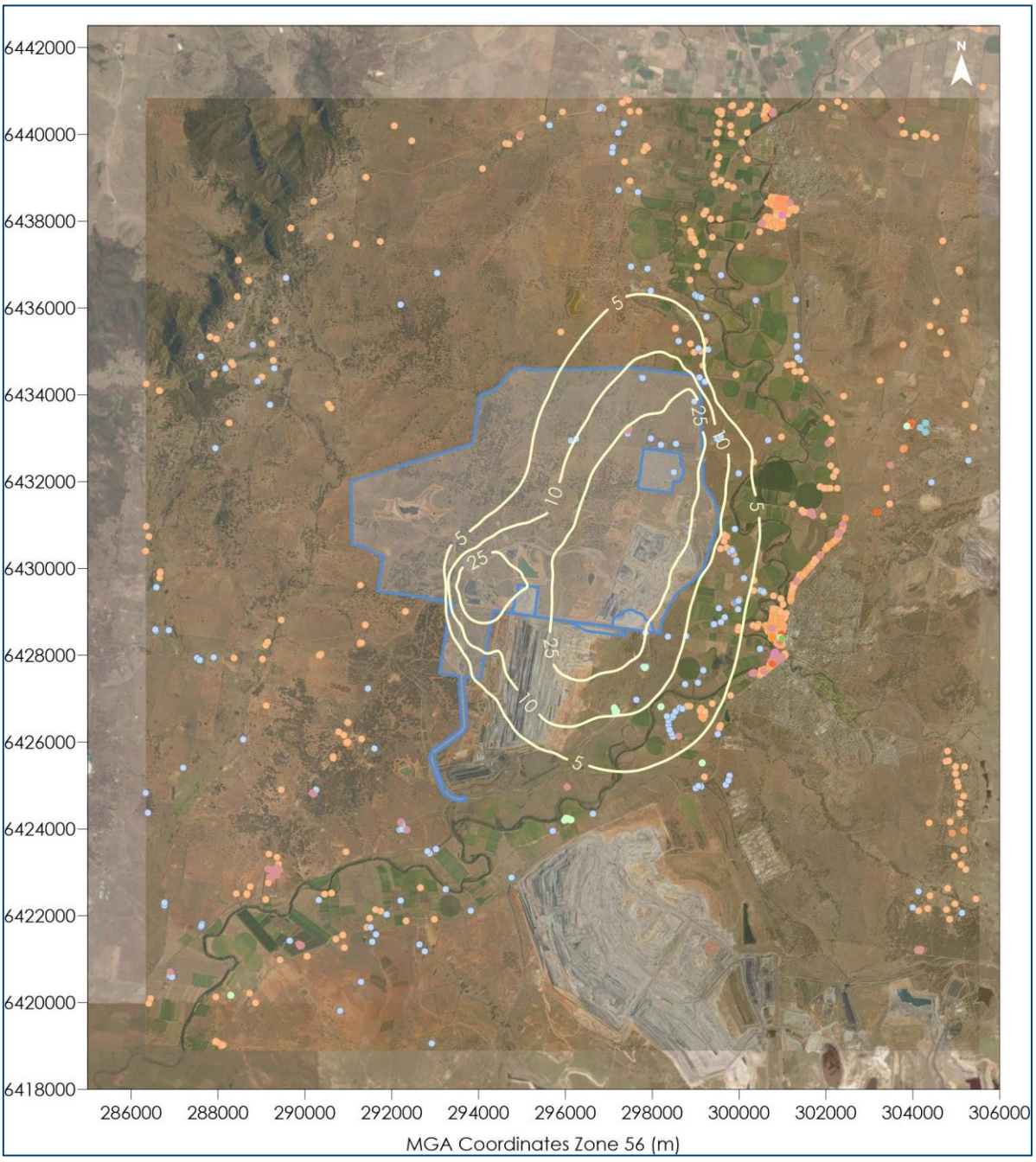
Refer to **Figure 2-1** for receiver legend

Figure E-13: Predicted annual average $PM_{2.5}$ concentrations due to emissions from the Project and other sources in Scenario 2 (µg/m³)



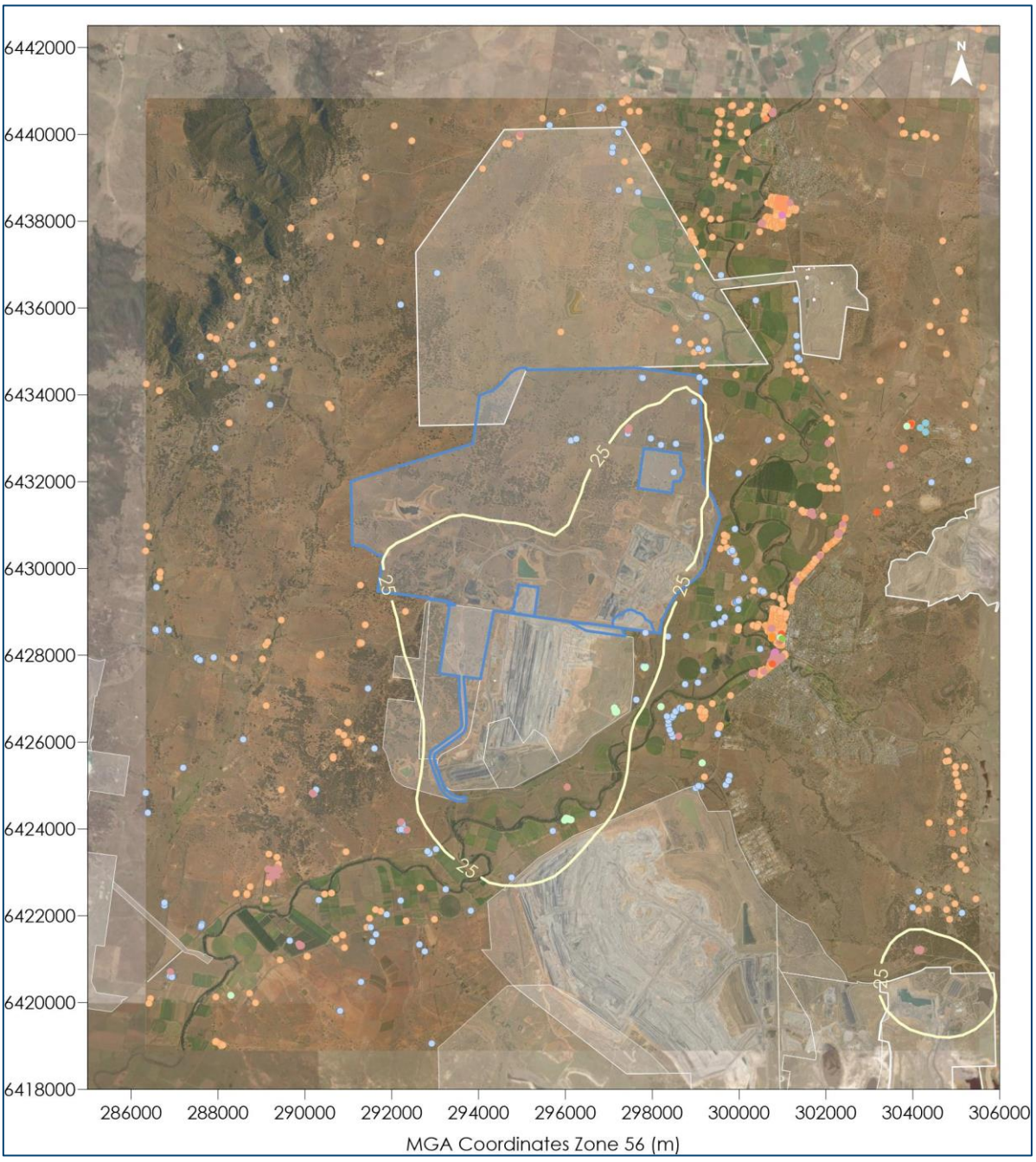
Refer to **Figure 2-1** for receiver legend

Figure E-14: Predicted maximum 24-hour average PM_{10} concentrations due to emissions from the Project in Scenario 2 (µg/m³)



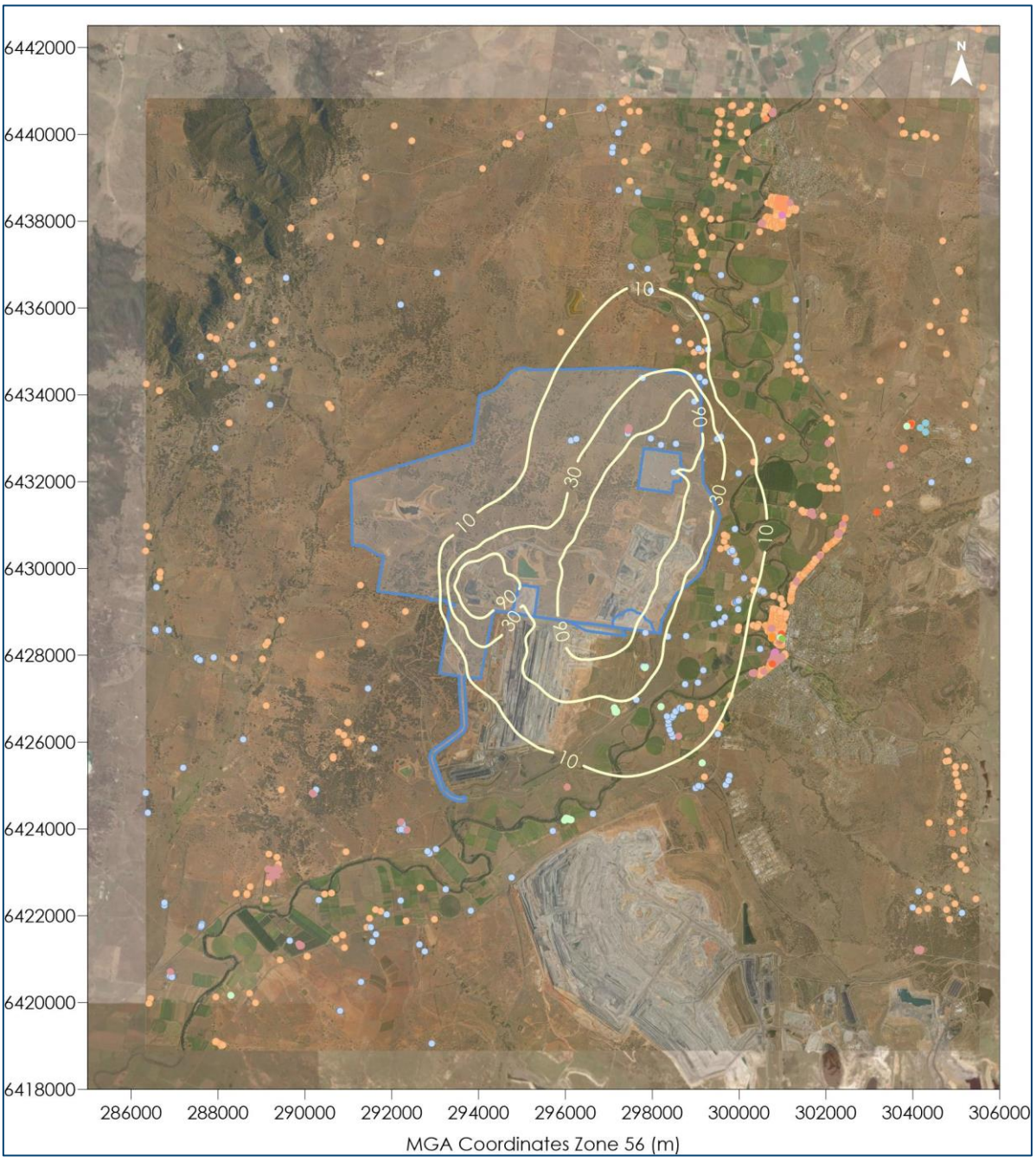
Refer to **Figure 2-1** for receiver legend

Figure E-15: Predicted annual average PM_{10} concentrations due to emissions from the Project in Scenario 2 (µg/m³)



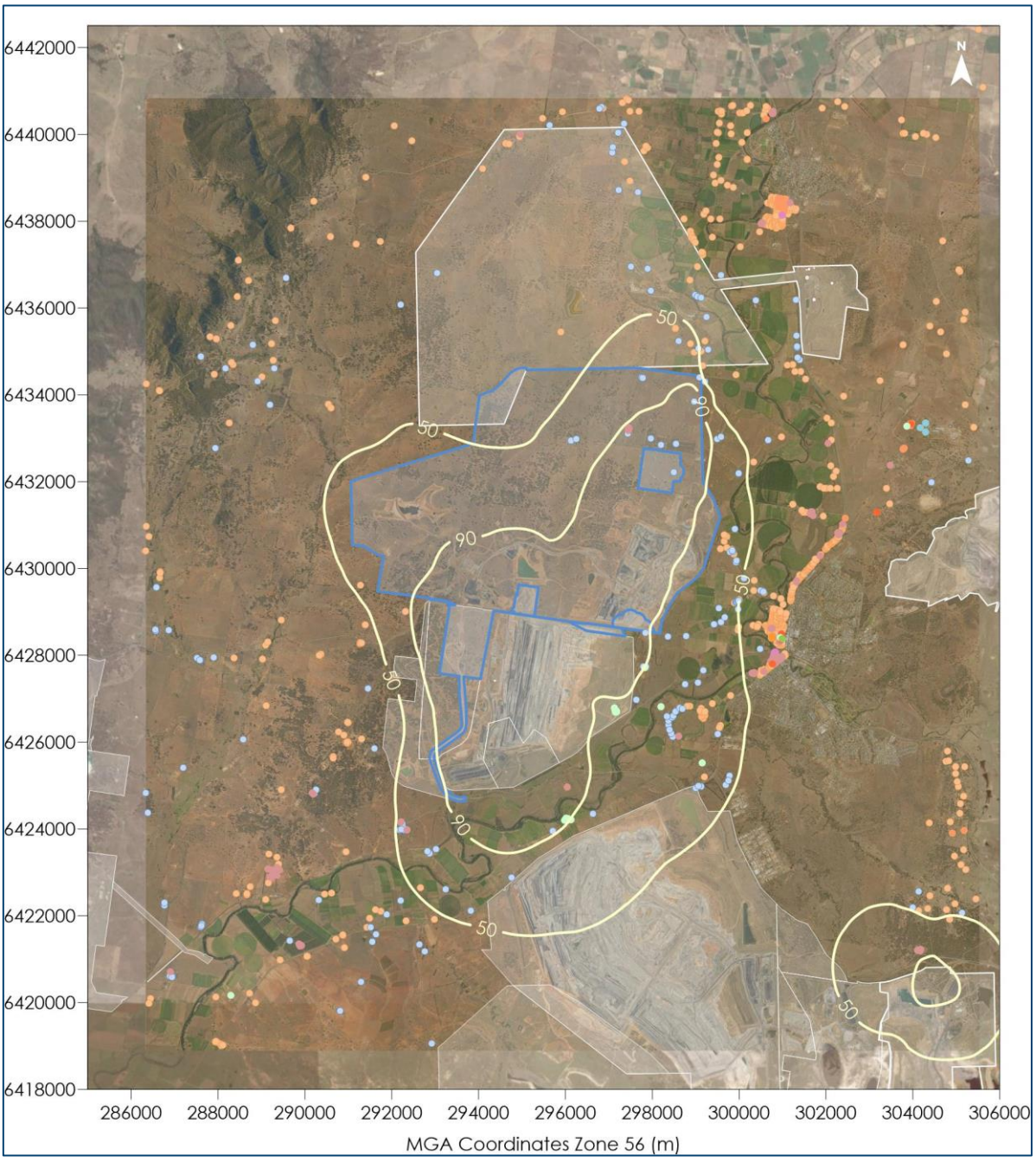
Refer to **Figure 2-1** for receiver legend

Figure E-16: Predicted annual average PM_{10} concentrations due to emissions from the Project and other sources in Scenario 2 (µg/m³)



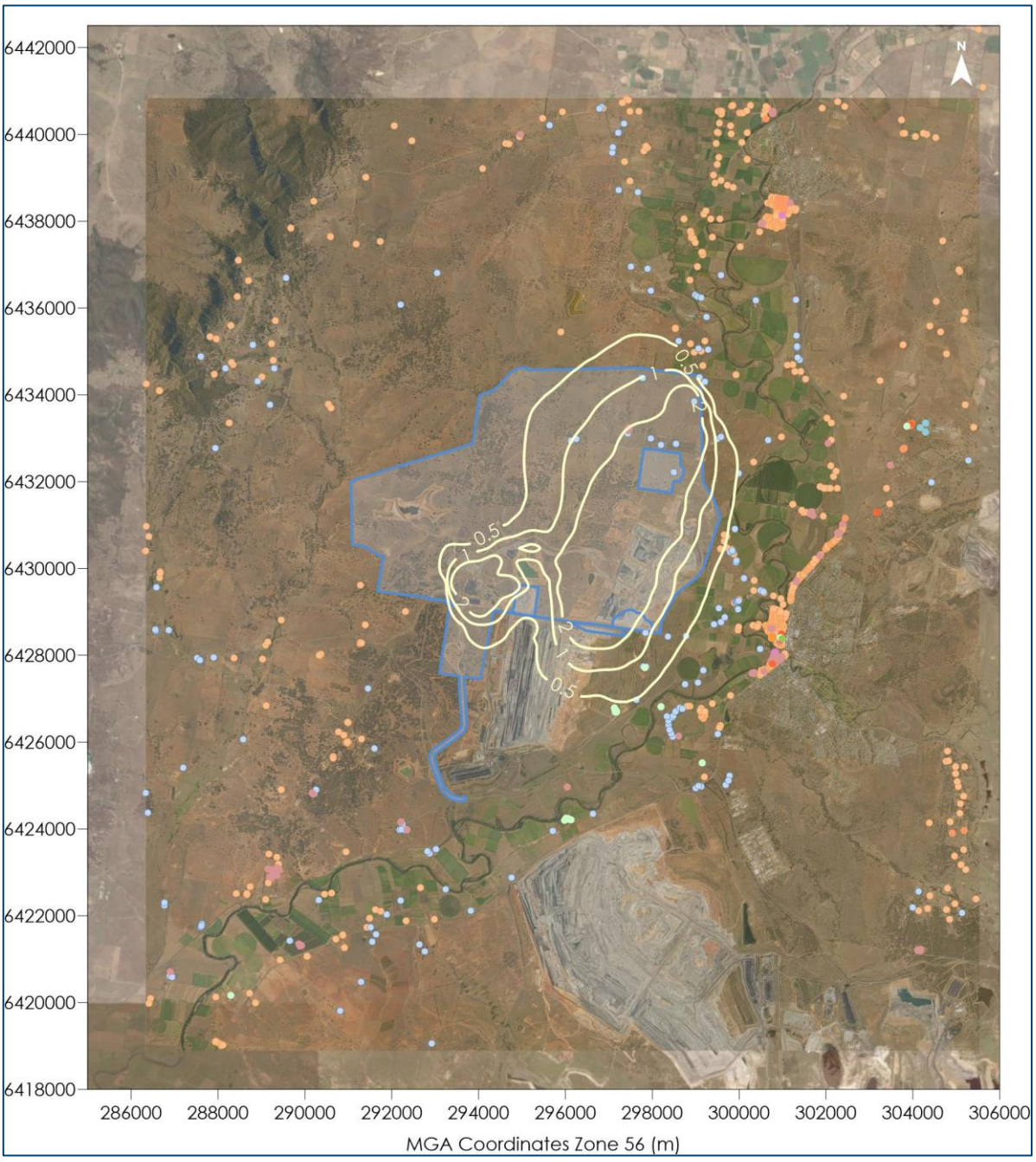
Refer to **Figure 2-1** for receiver legend

Figure E-17: Predicted annual average TSP concentrations due to emissions from the Project in Scenario 2 (µg/m³)



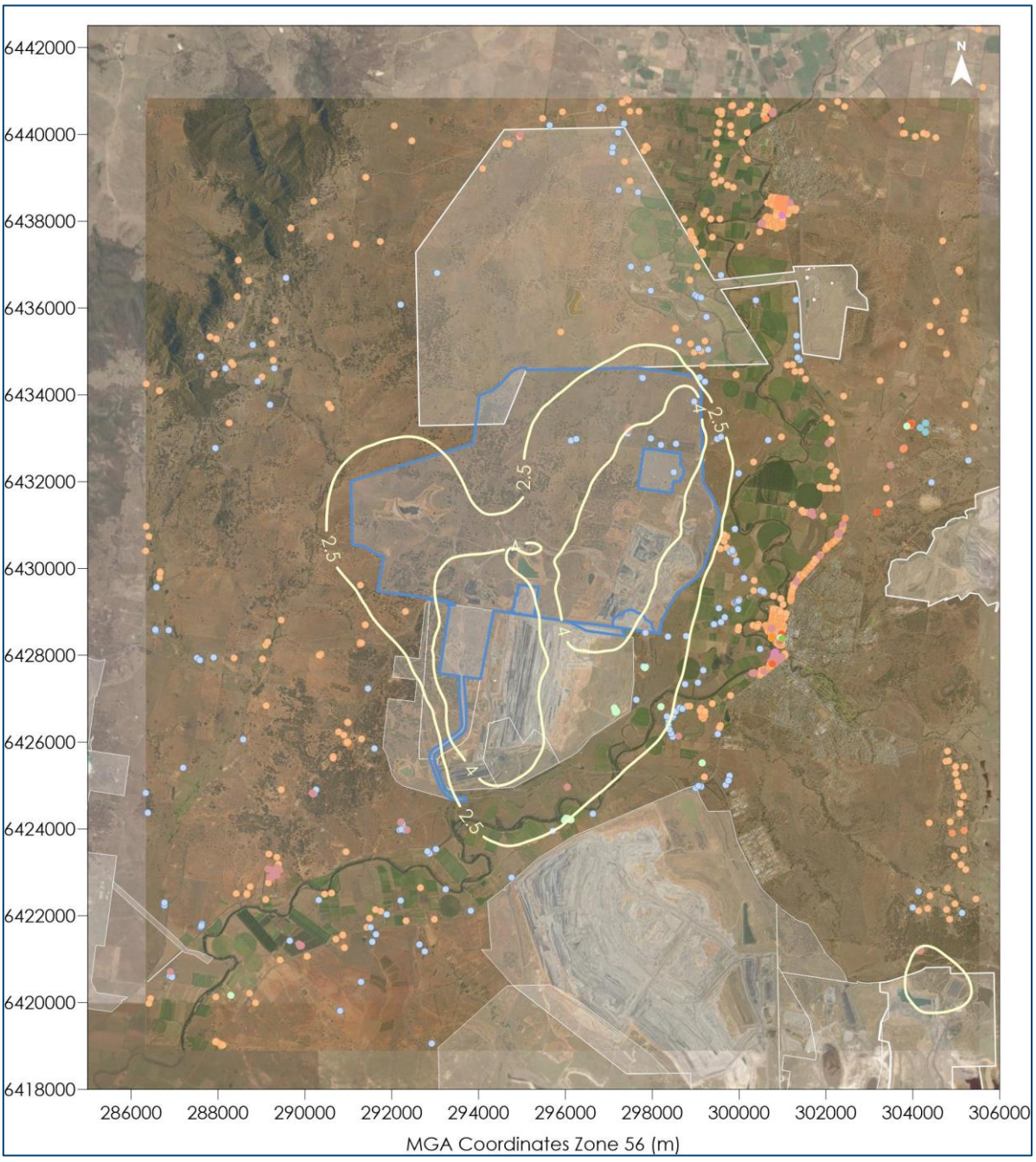
Refer to **Figure 2-1** for receiver legend

Figure E-18: Predicted annual average TSP concentrations due to emissions from the Project and other sources in Scenario 2 (µg/m³)



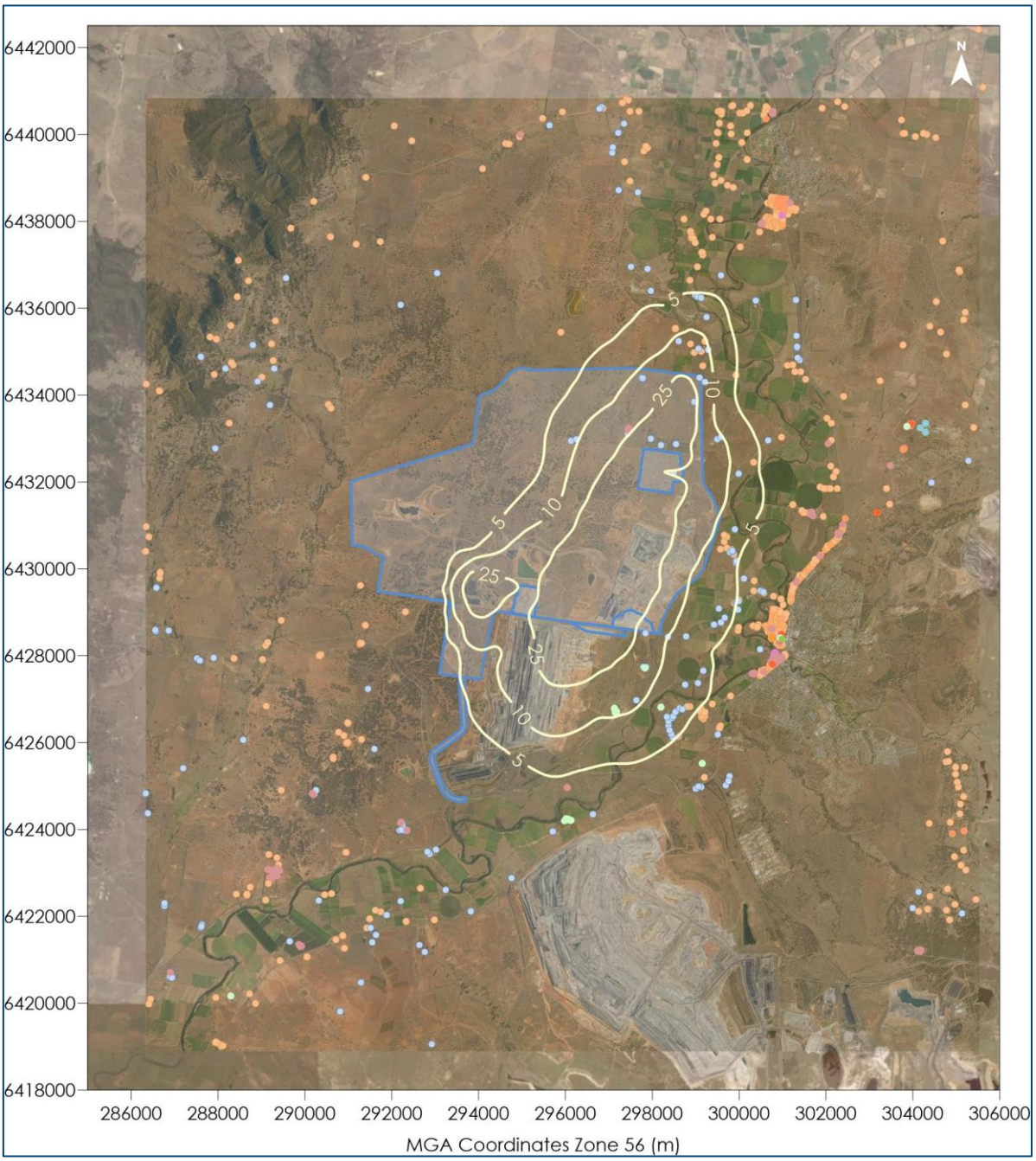
Refer to **Figure 2-1** for receiver legend

Figure E-19: Predicted annual average dust deposition levels due to emissions from the Project in Scenario 2 (g/m²/month)



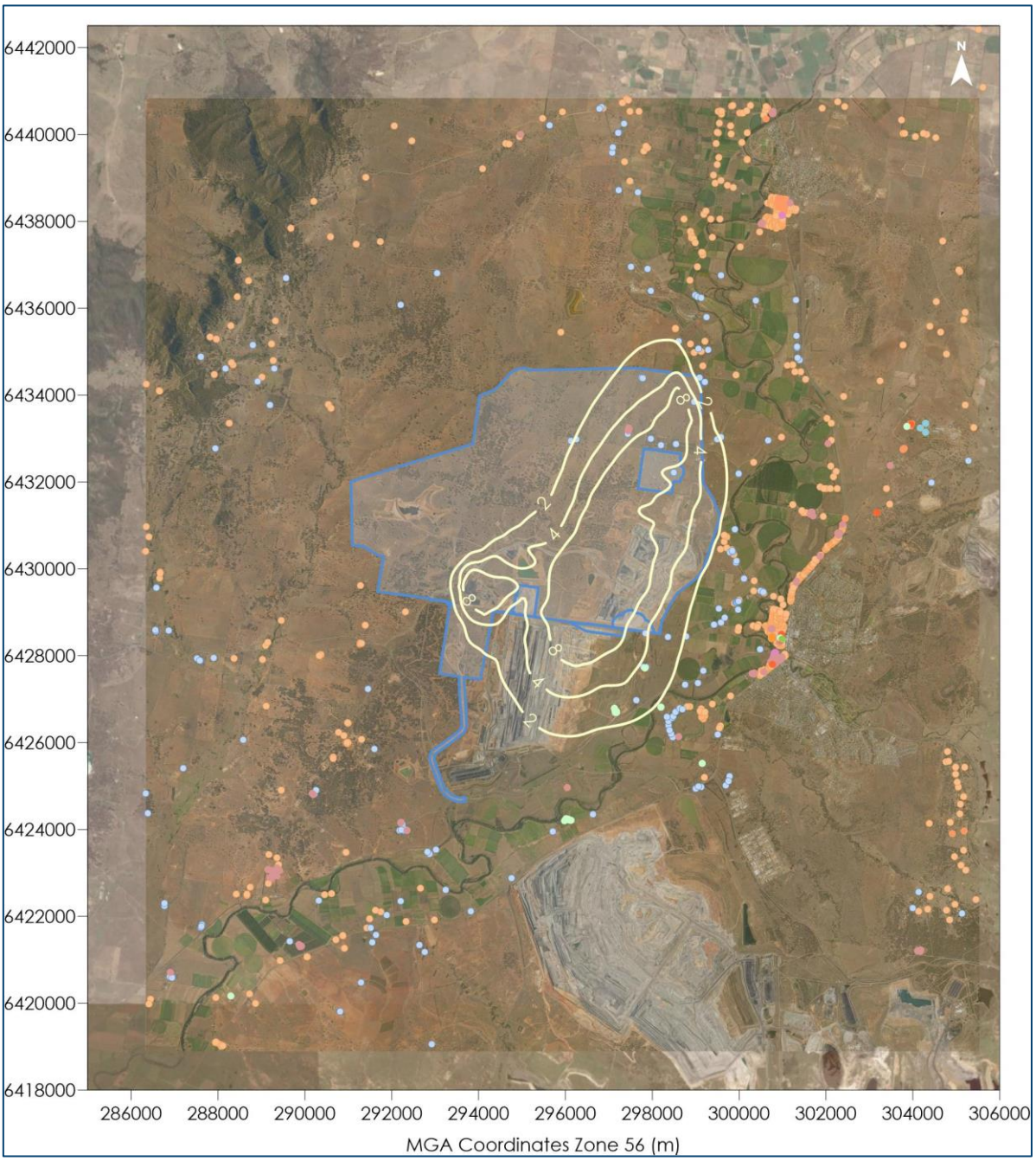
Refer to **Figure 2-1** for receiver legend

Figure E-20: Predicted annual average dust deposition levels due to emissions from the Project and other sources in Scenario 2 (g/m²/month)



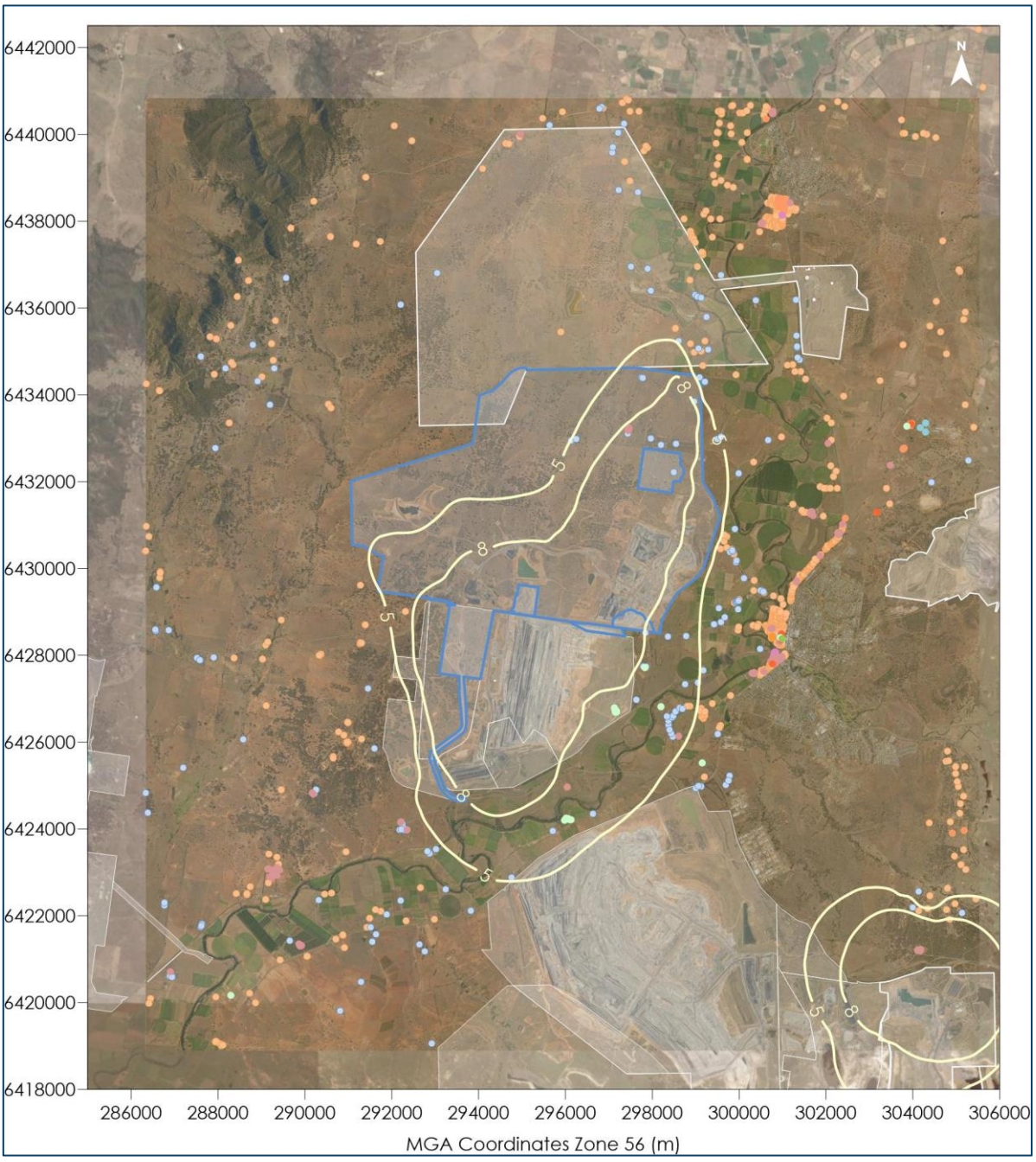
Refer to **Figure 2-1** for receiver legend

Figure E-21: Predicted maximum 24-hour average $PM_{2.5}$ concentrations due to emissions from the Project in Scenario 3 (µg/m³)



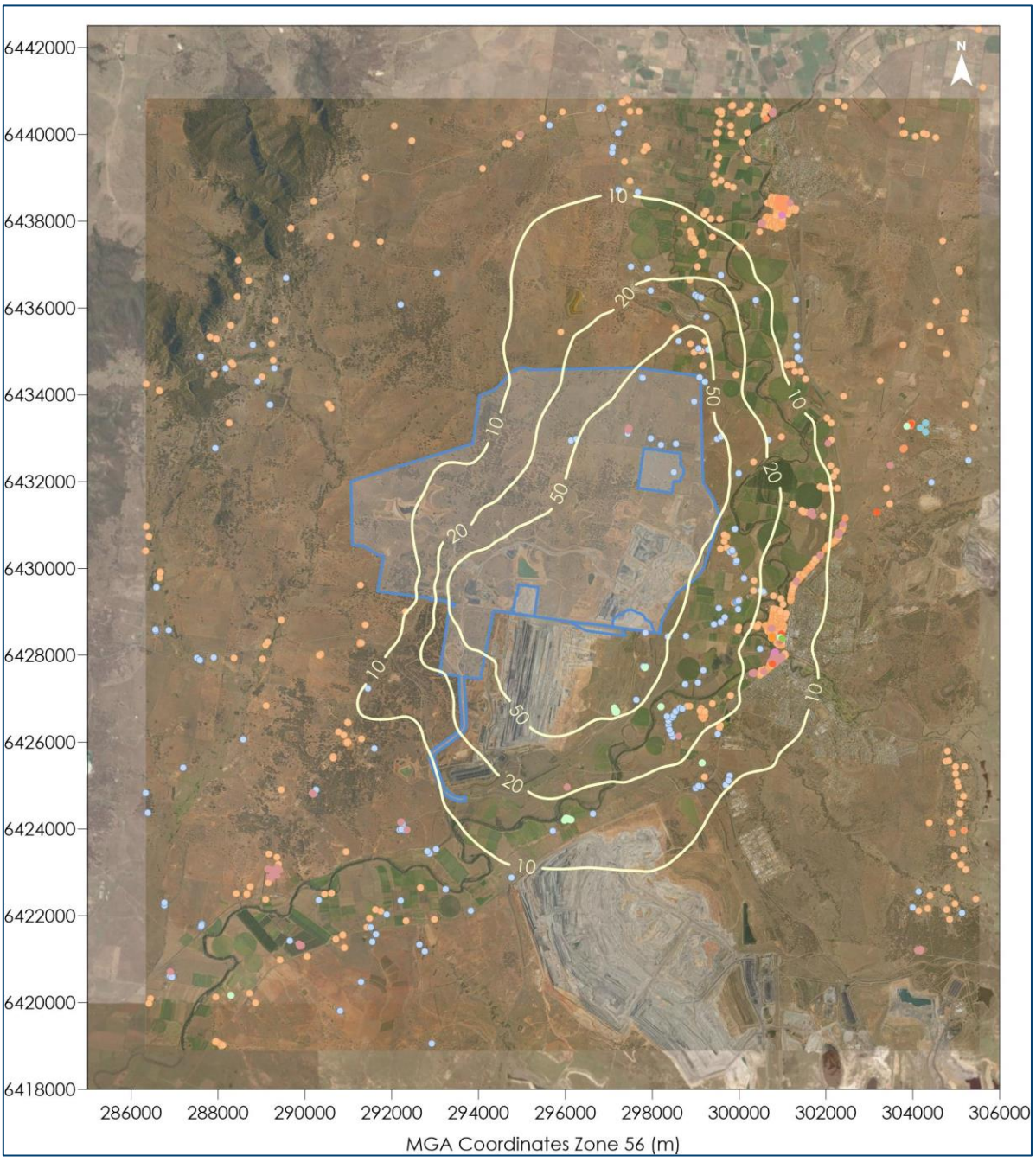
Refer to **Figure 2-1** for receiver legend

Figure E-22: Predicted annual average $PM_{2.5}$ concentrations due to emissions from the Project in Scenario 3 (µg/m³)



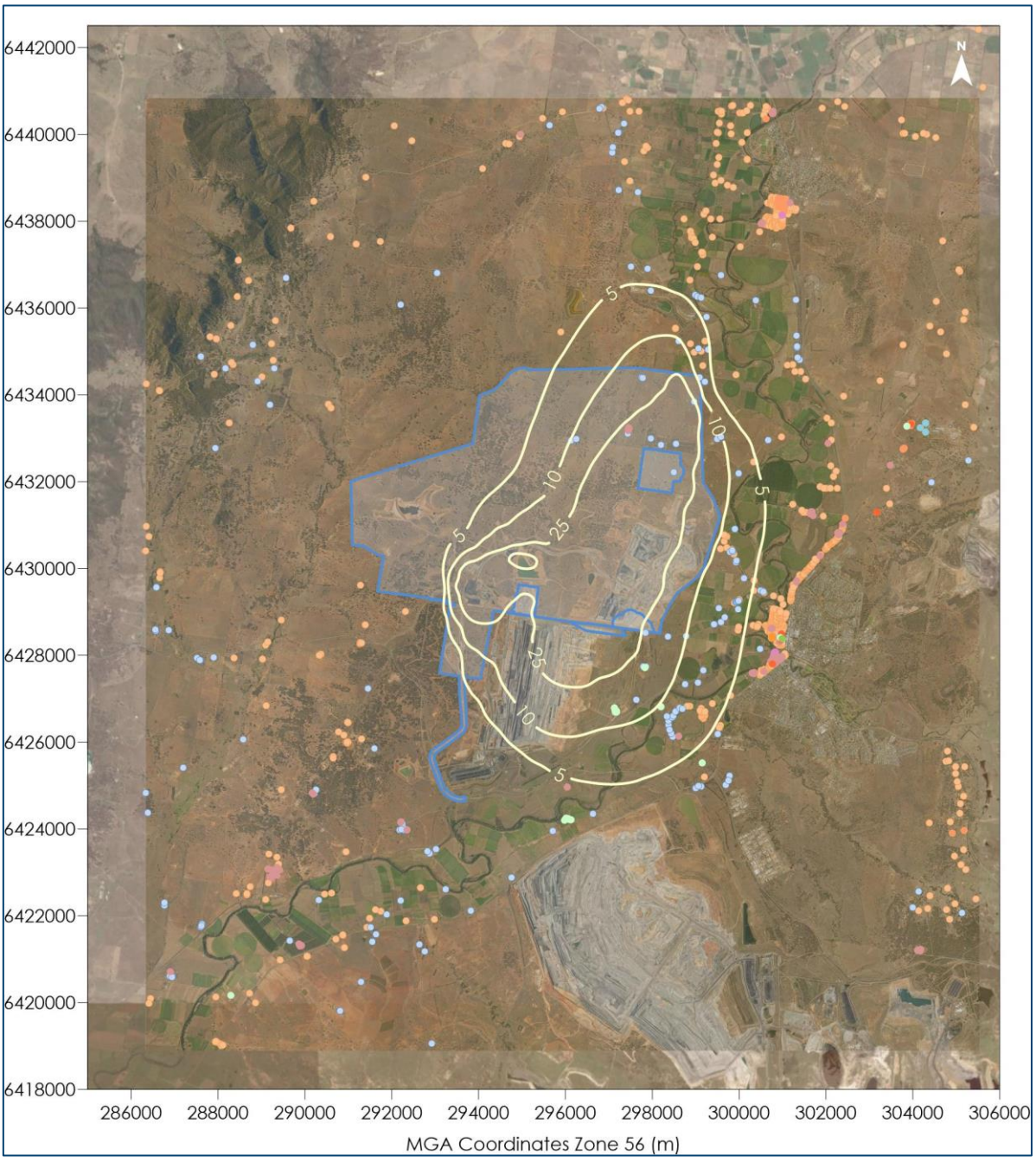
Refer to **Figure 2-1** for receiver legend

Figure E-23: Predicted annual average $PM_{2.5}$ concentrations due to emissions from the Project and other sources in Scenario 3 (µg/m³)



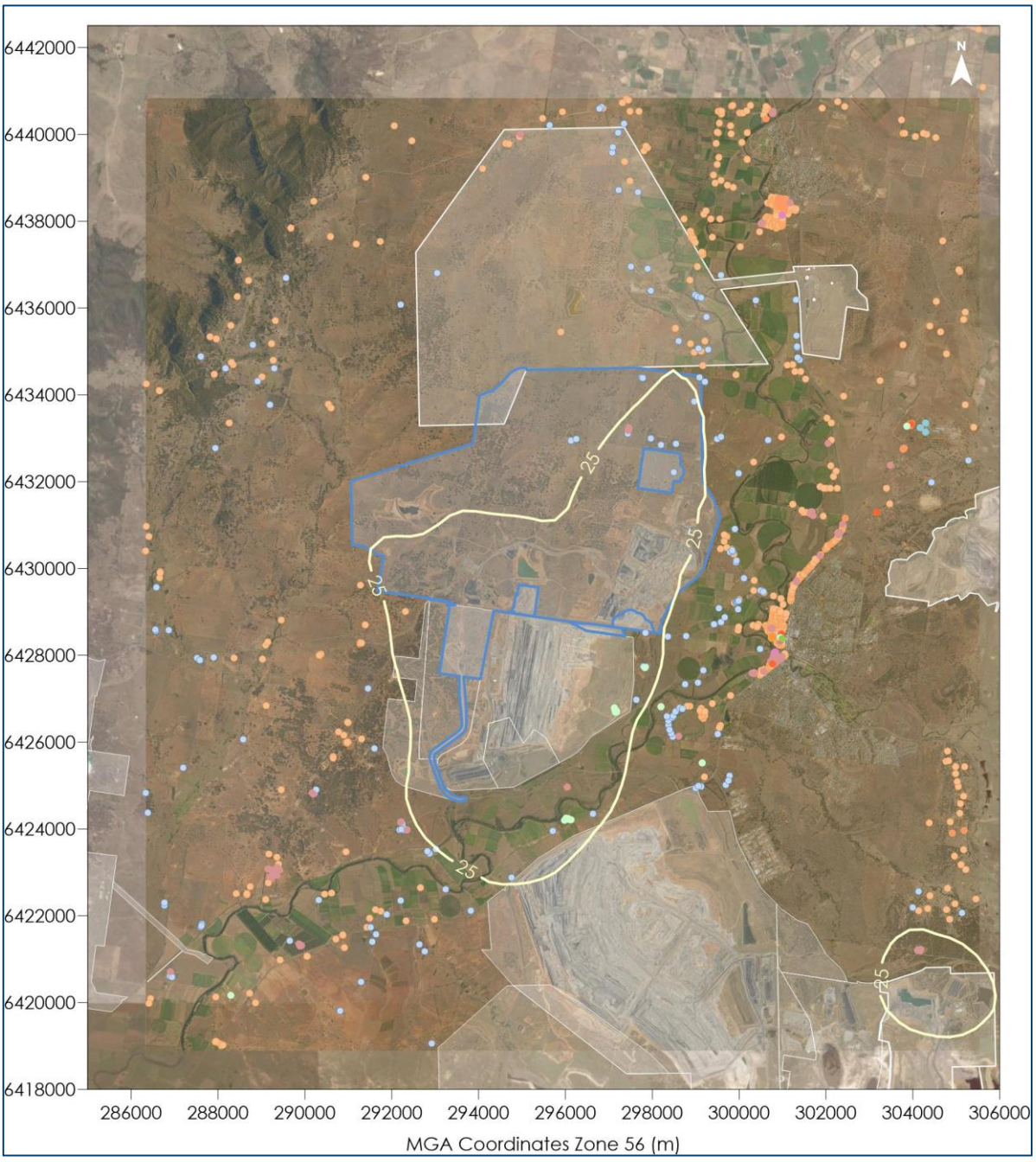
Refer to **Figure 2-1** for receiver legend

Figure E-24: Predicted maximum 24-hour average PM_{10} concentrations due to emissions from the Project in Scenario 3 (µg/m³)



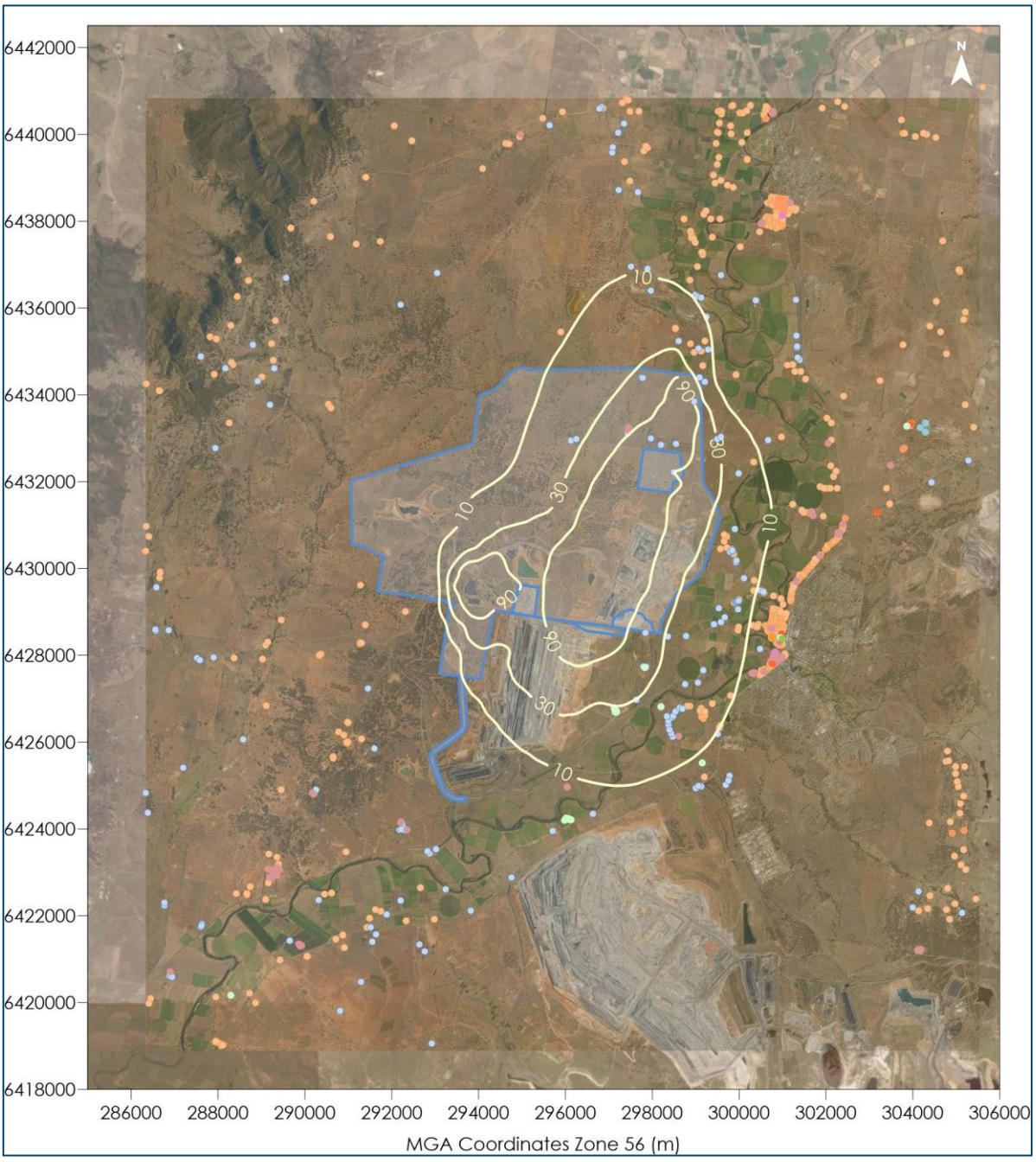
Refer to **Figure 2-1** for receiver legend

Figure E-25: Predicted annual average PM_{10} concentrations due to emissions from the Project in Scenario 3 (µg/m³)



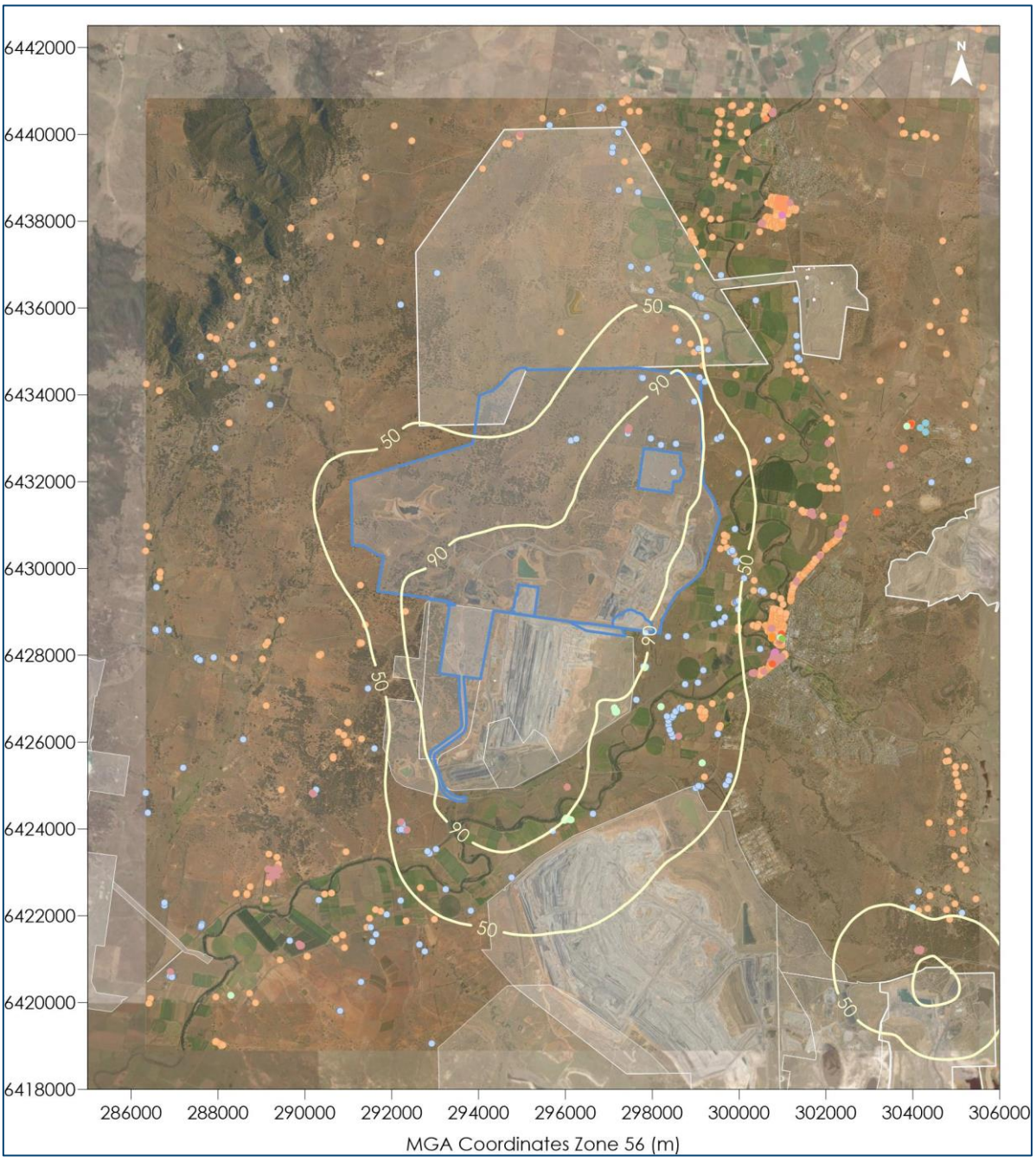
Refer to **Figure 2-1** for receiver legend

Figure E-26: Predicted annual average PM_{10} concentrations due to emissions from the Project and other sources in Scenario 3 (µg/m³)



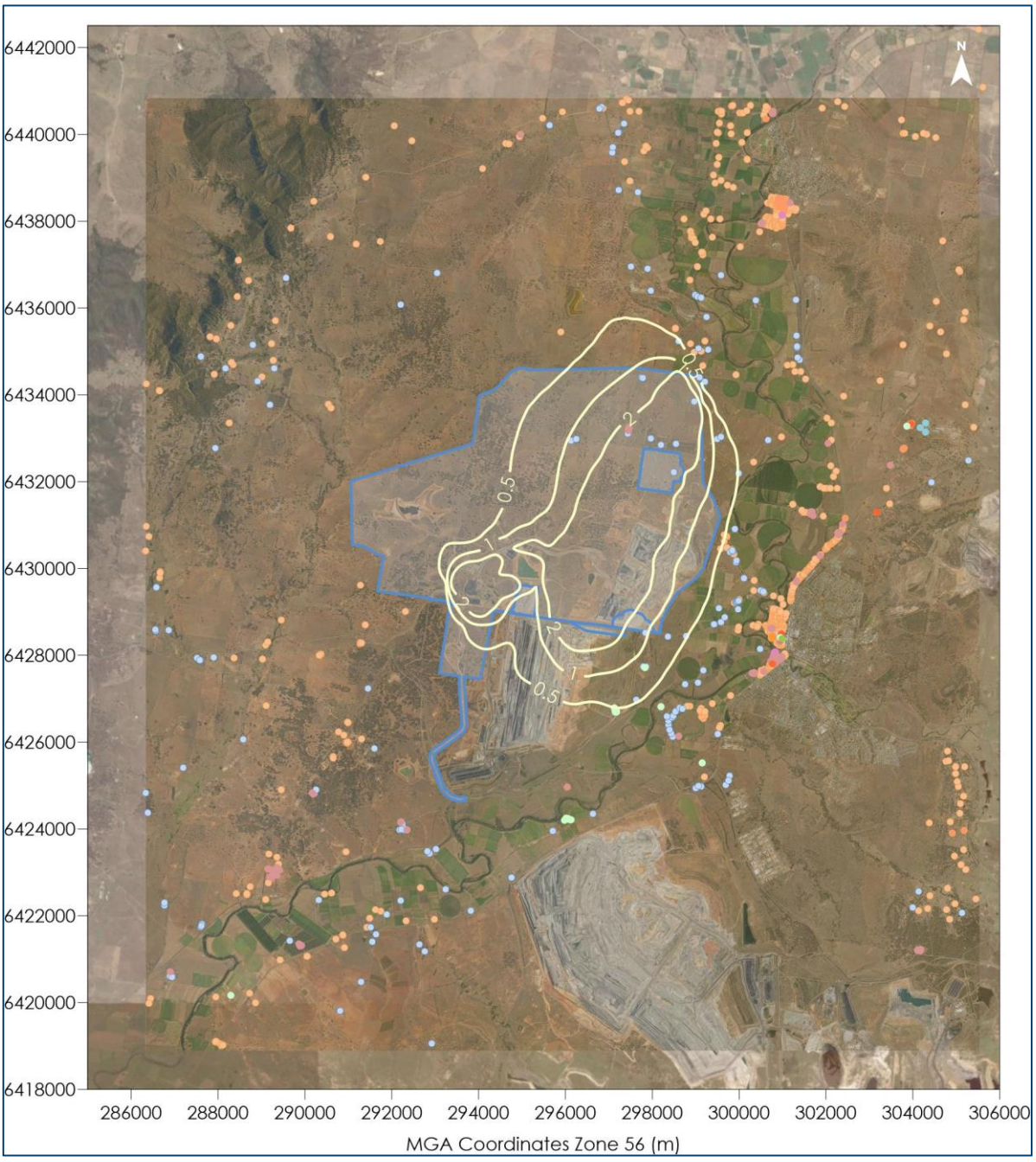
Refer to **Figure 2-1** for receiver legend

Figure E-27: Predicted annual average TSP concentrations due to emissions from the Project in Scenario 3 (µg/m³)



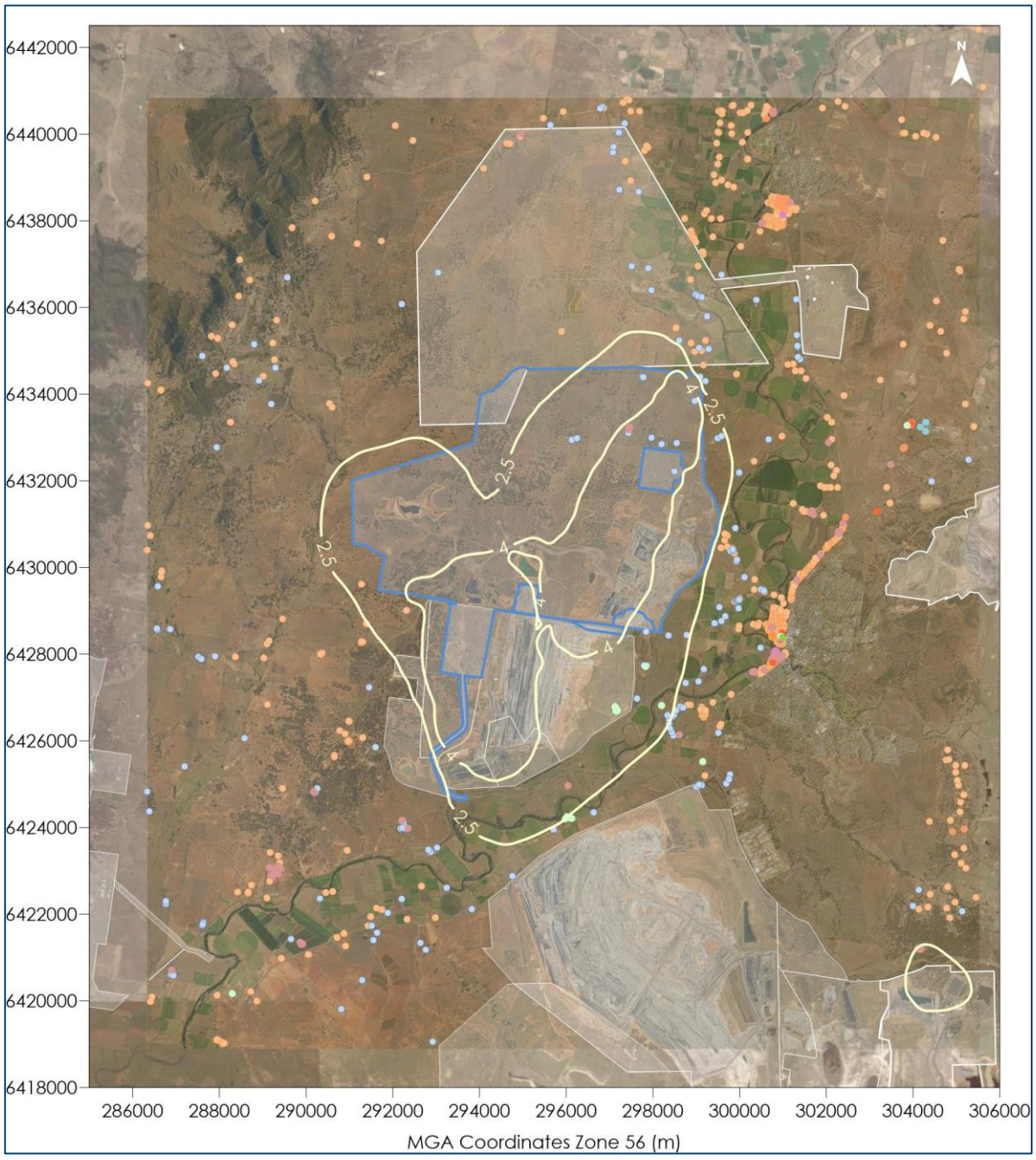
Refer to **Figure 2-1** for receiver legend

Figure E-28: Predicted annual average TSP concentrations due to emissions from the Project and other sources in Scenario 3 (µg/m³)



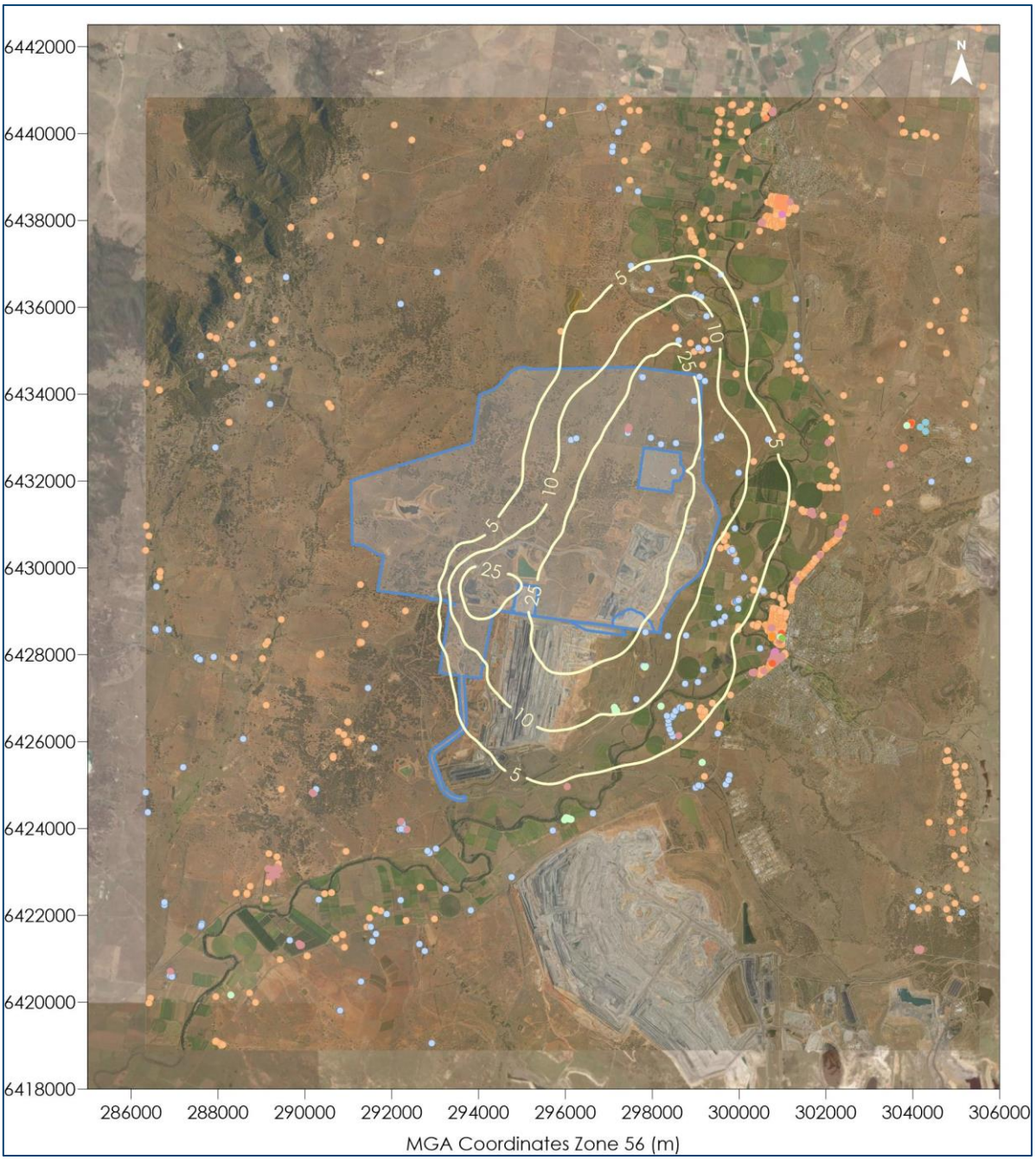
Refer to **Figure 2-1** for receiver legend

Figure E-29: Predicted annual average dust deposition levels due to emissions from the Project in Scenario 3 (g/m²/month)



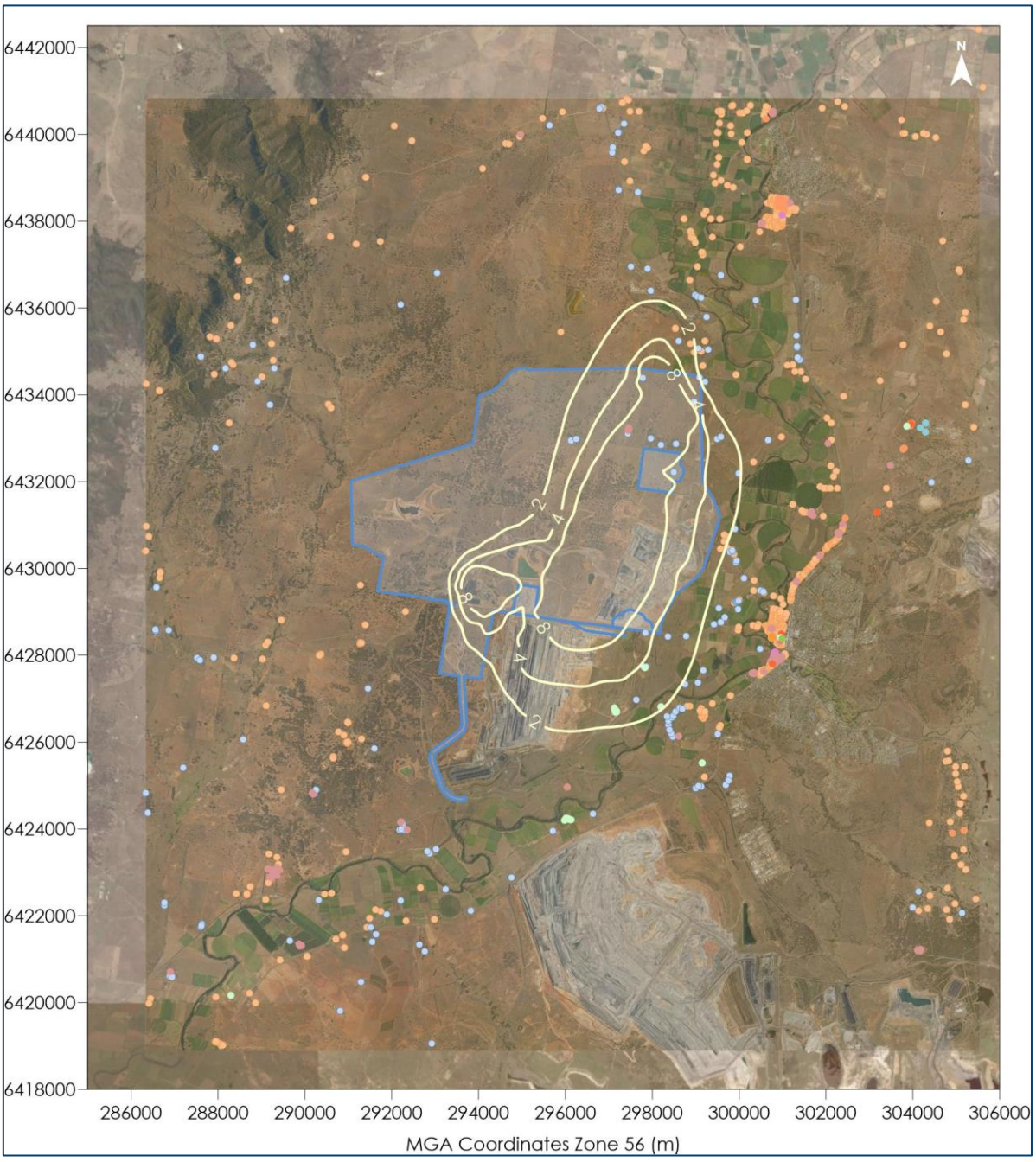
Refer to **Figure 2-1** for receiver legend

Figure E-30: Predicted annual average dust deposition levels due to emissions from the Project and other sources in Scenario 3 (g/m²/month)



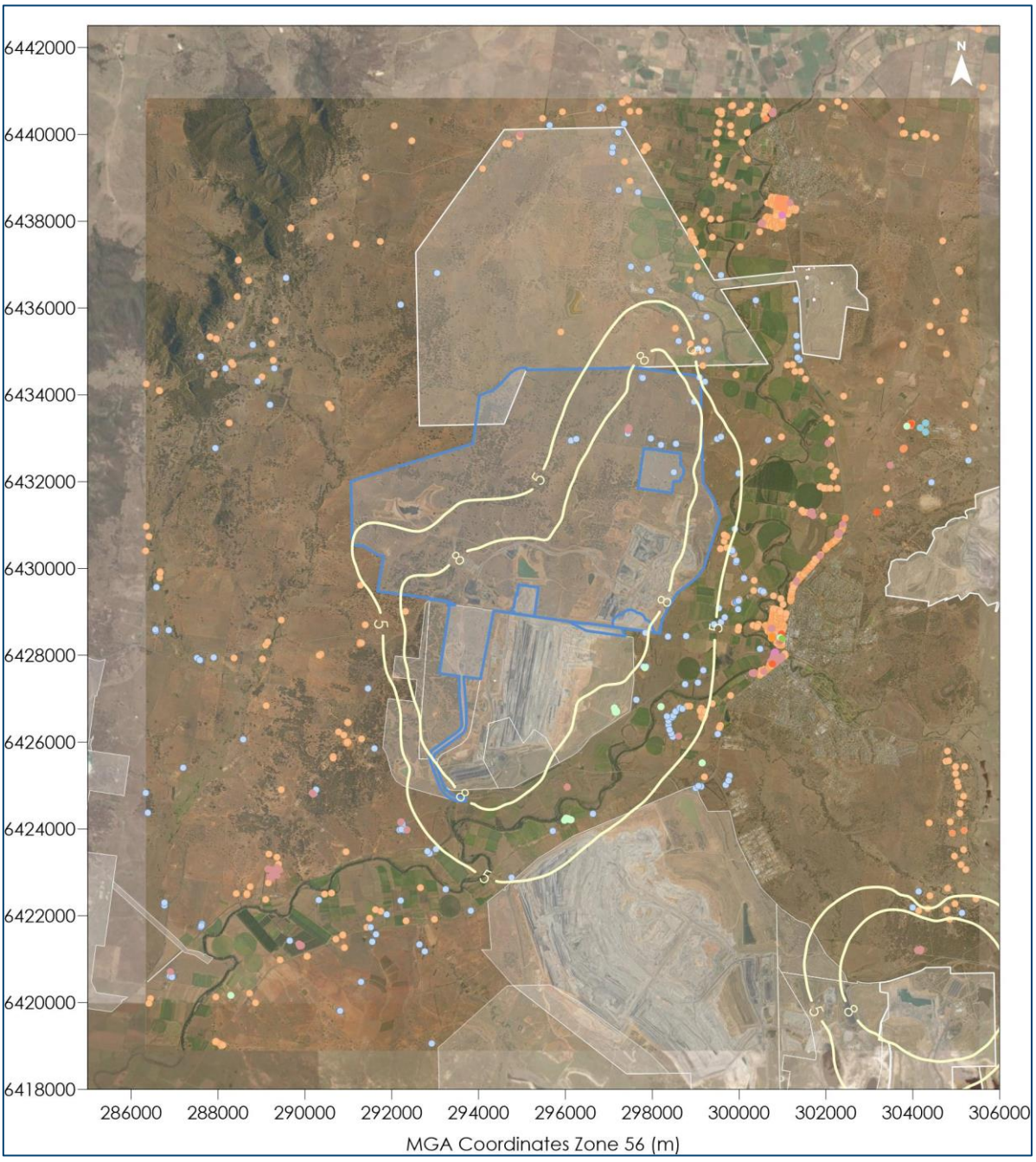
Refer to **Figure 2-1** for receiver legend

Figure E-31: Predicted maximum 24-hour average $PM_{2.5}$ concentrations due to emissions from the Project in Scenario 4 (µg/m³)



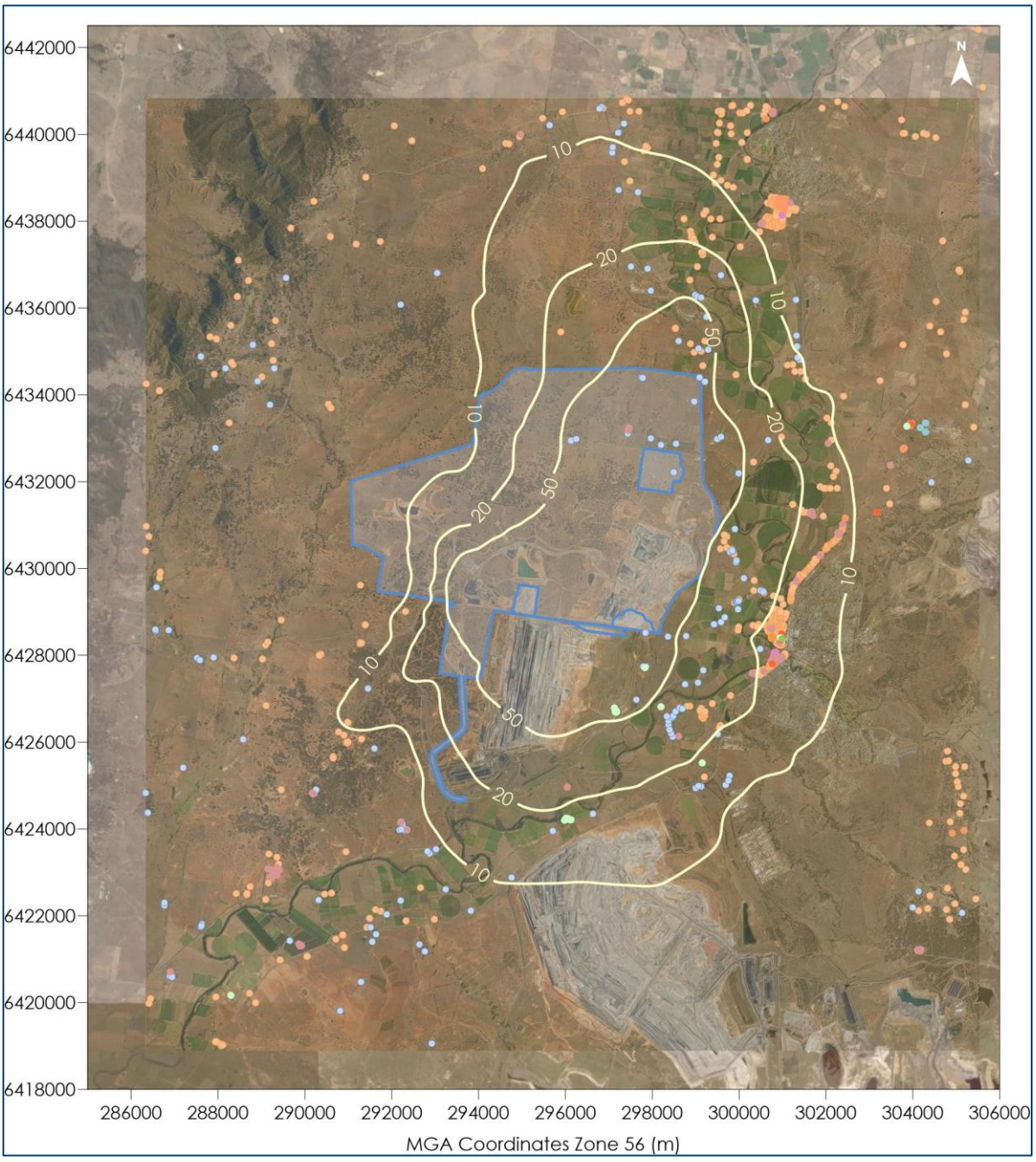
Refer to **Figure 2-1** for receiver legend

Figure E-32: Predicted annual average $PM_{2.5}$ concentrations due to emissions from the Project in Scenario 4 (µg/m³)



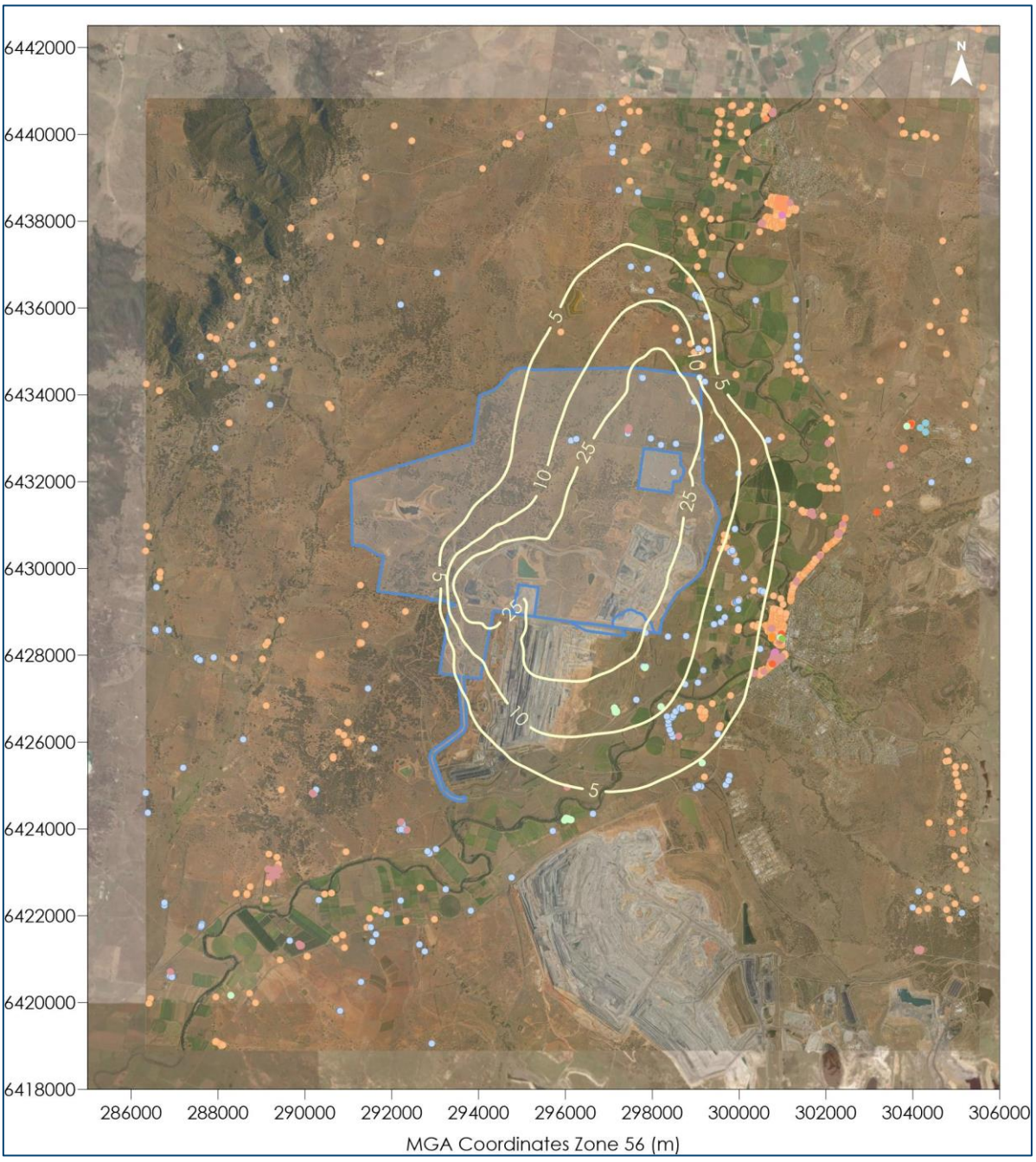
Refer to **Figure 2-1** for receiver legend

Figure E-33: Predicted annual average $PM_{2.5}$ concentrations due to emissions from the Project and other sources in Scenario 4 (µg/m³)



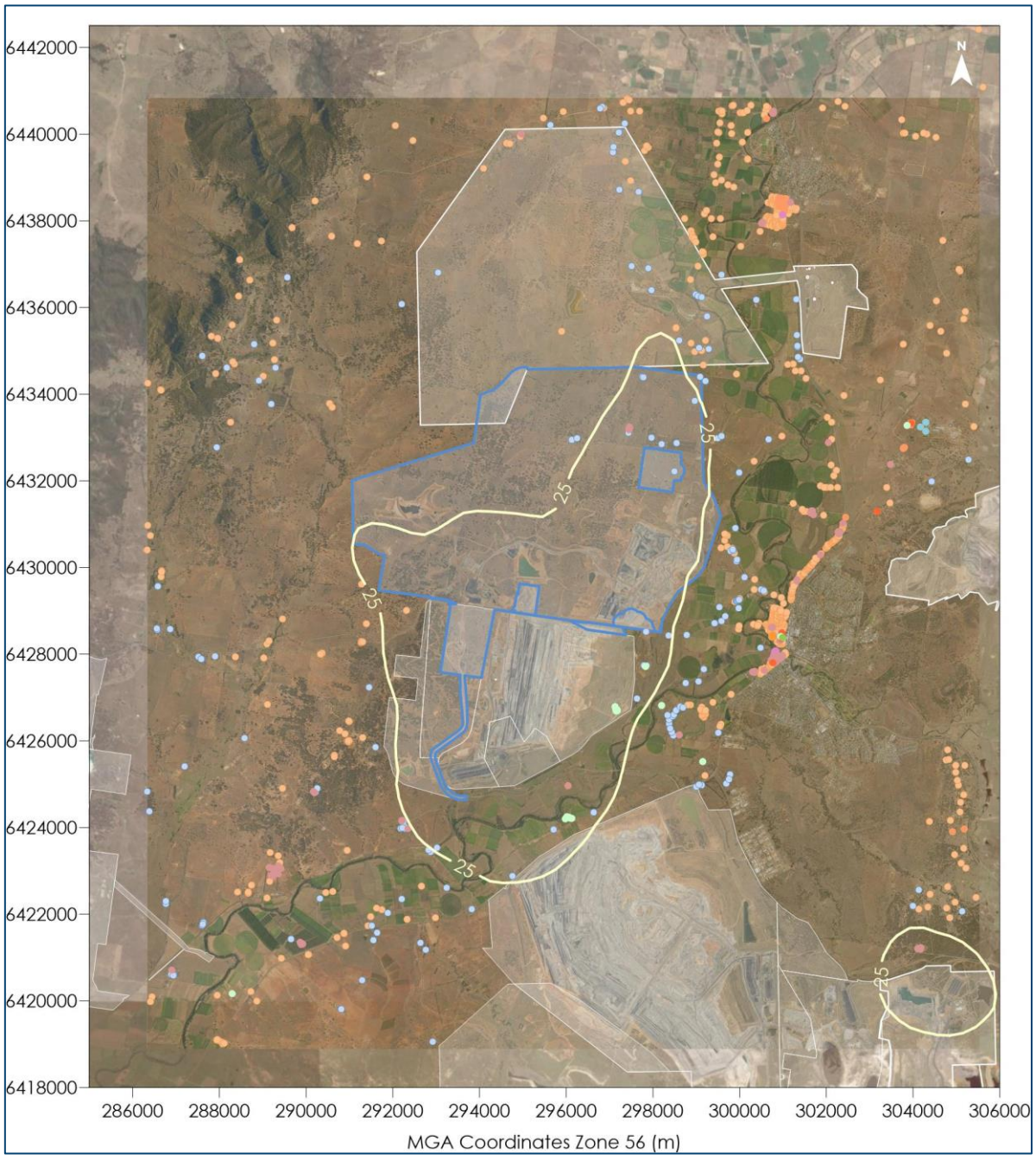
Refer to **Figure 2-1** for receiver legend

Figure E-34: Predicted maximum 24-hour average PM_{10} concentrations due to emissions from the Project in Scenario 4 (µg/m³)



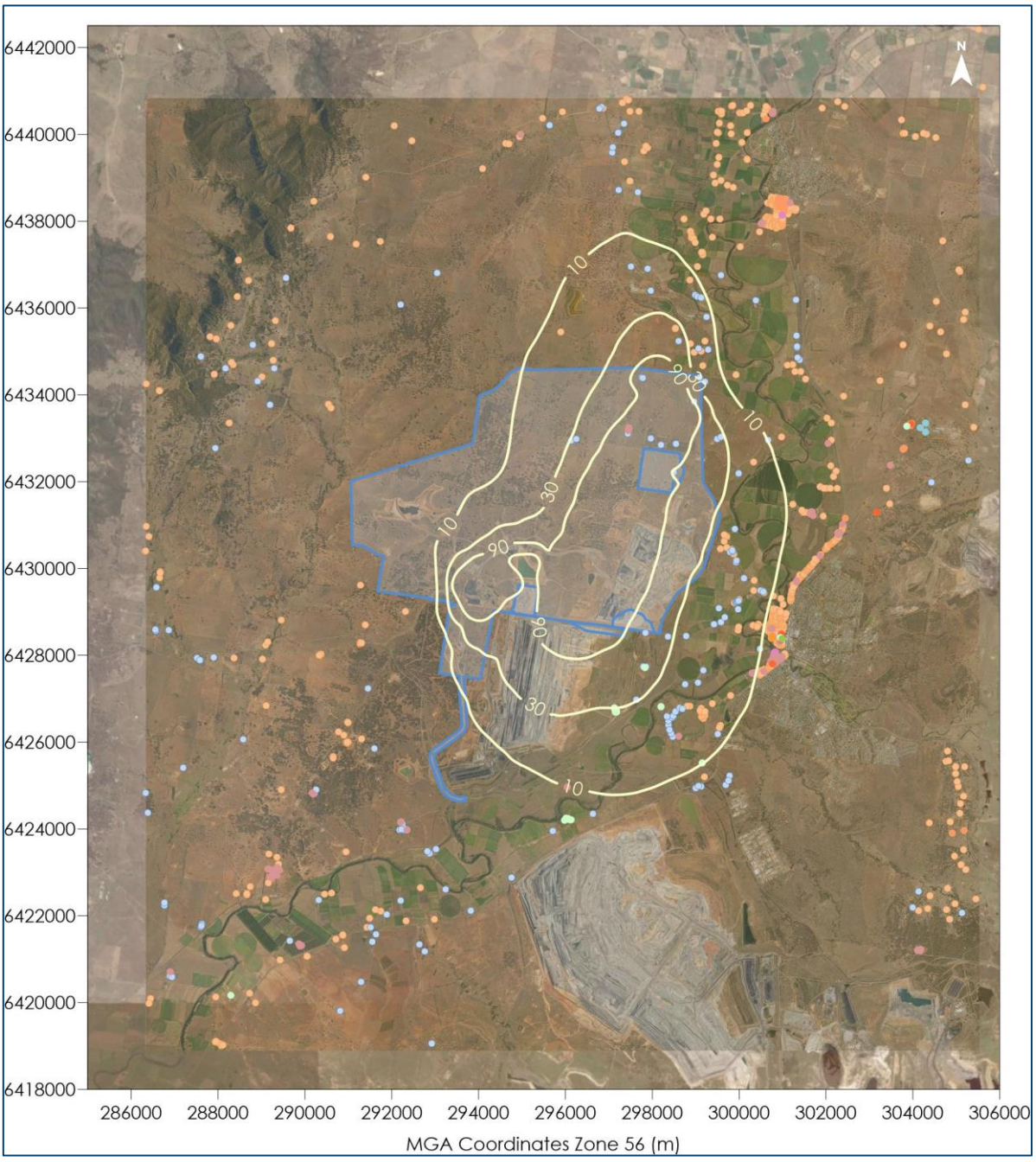
Refer to **Figure 2-1** for receiver legend

Figure E-35: Predicted annual average PM_{10} concentrations due to emissions from the Project in Scenario 4 (µg/m³)



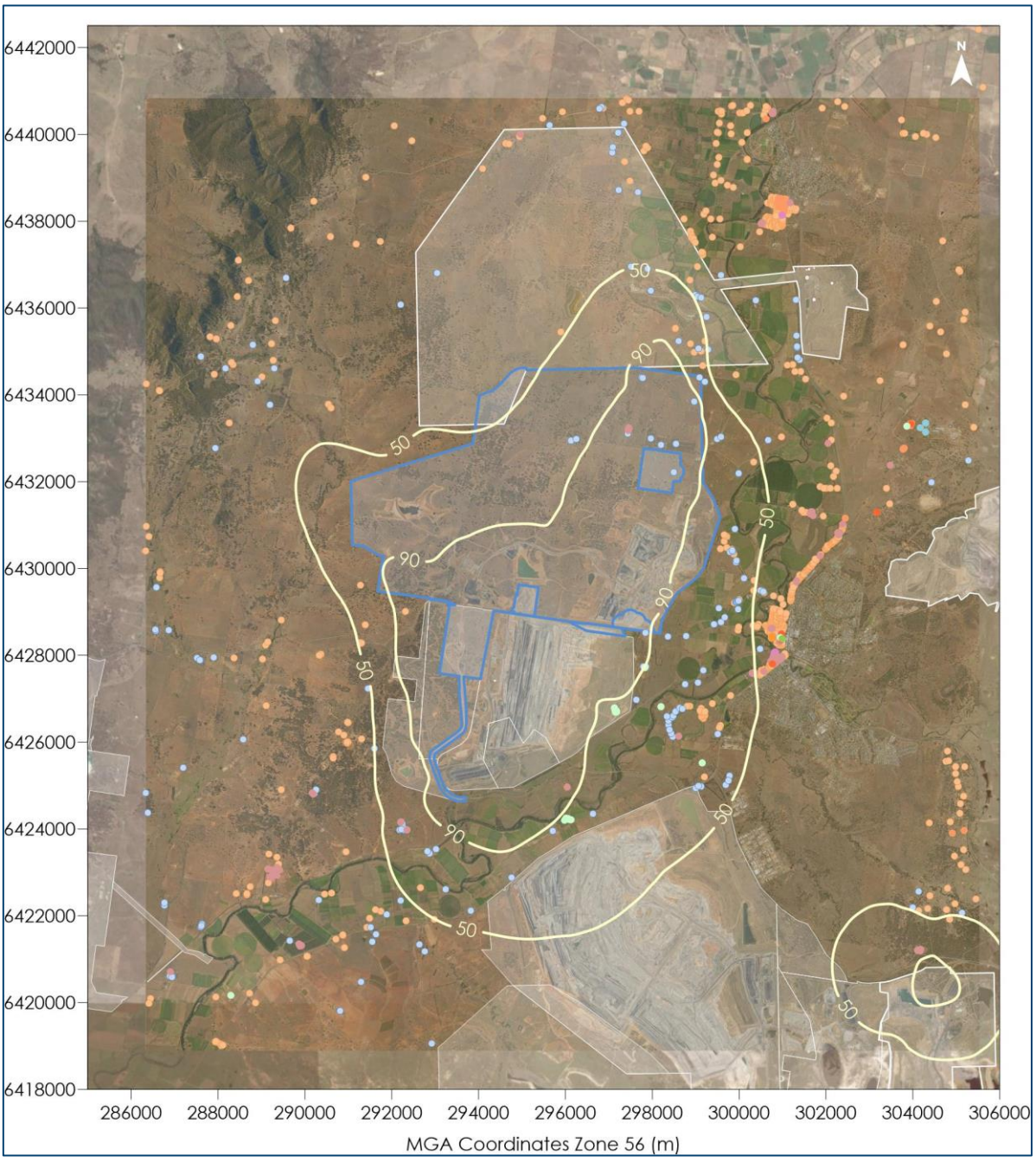
Refer to **Figure 2-1** for receiver legend

Figure E-36: Predicted annual average PM_{10} concentrations due to emissions from the Project and other sources in Scenario 4 (µg/m³)



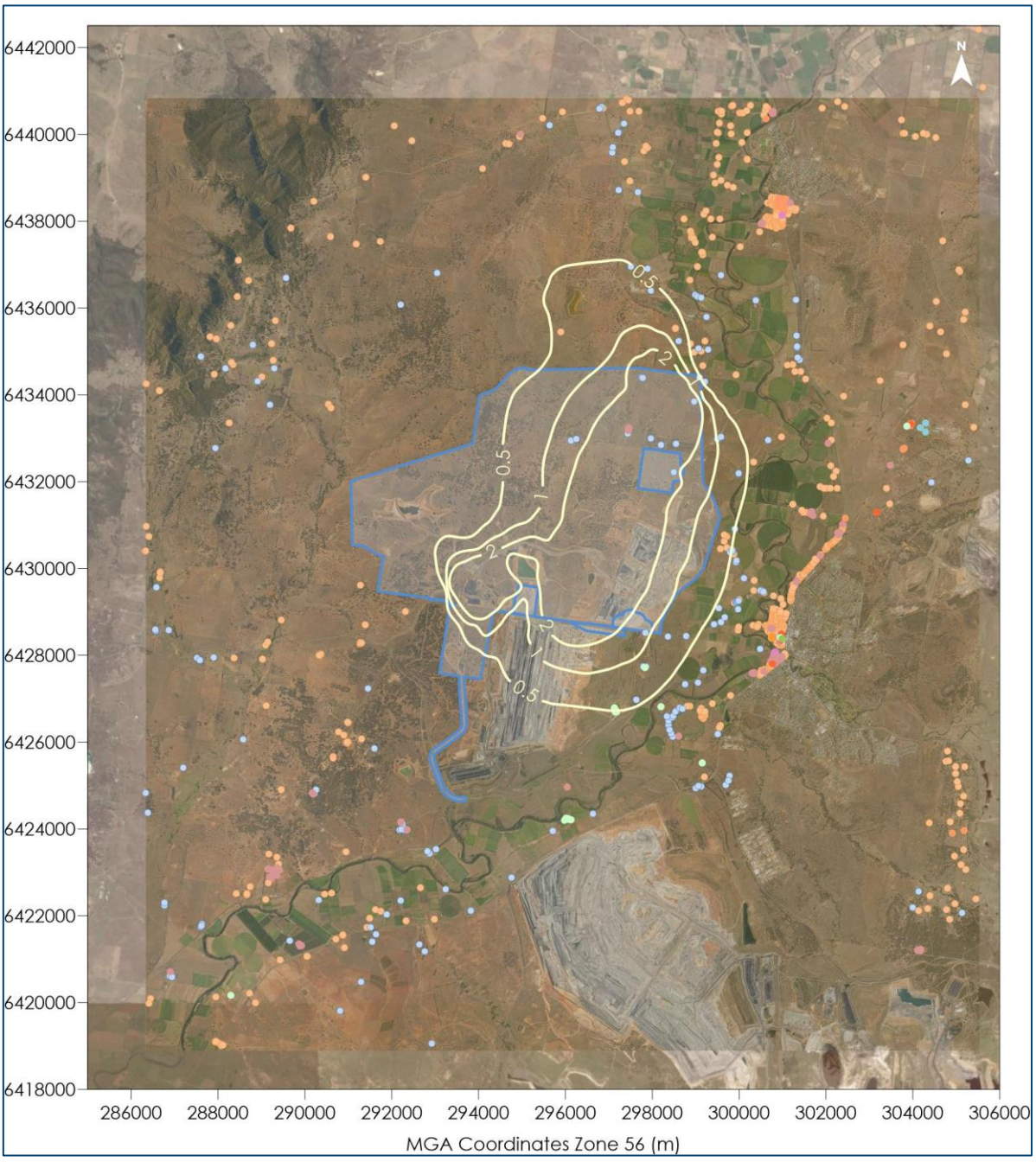
Refer to **Figure 2-1** for receiver legend

Figure E-37: Predicted annual average TSP concentrations due to emissions from the Project in Scenario 4 (µg/m³)



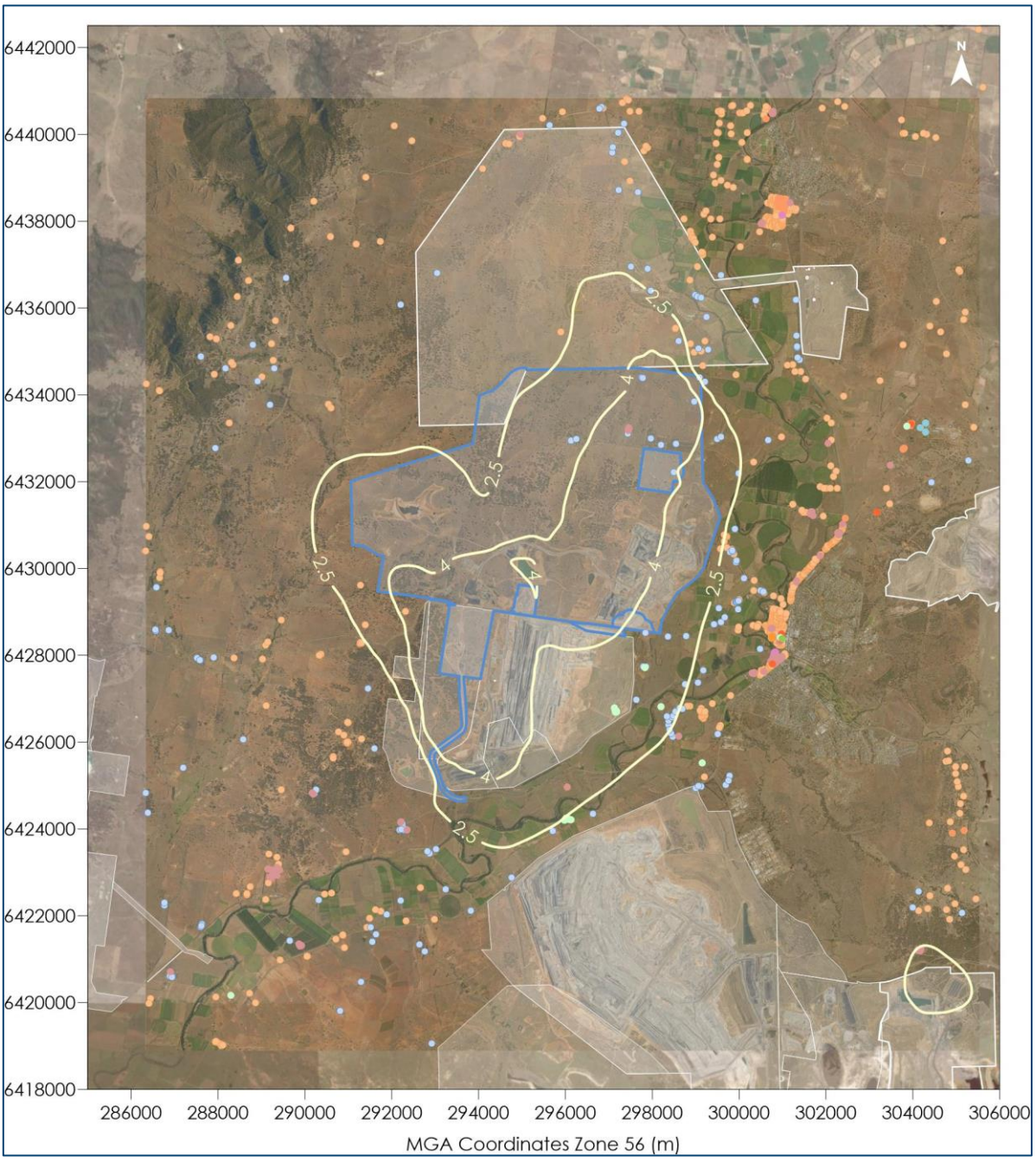
Refer to **Figure 2-1** for receiver legend

Figure E-38: Predicted annual average TSP concentrations due to emissions from the Project and other sources in Scenario 4 (µg/m³)



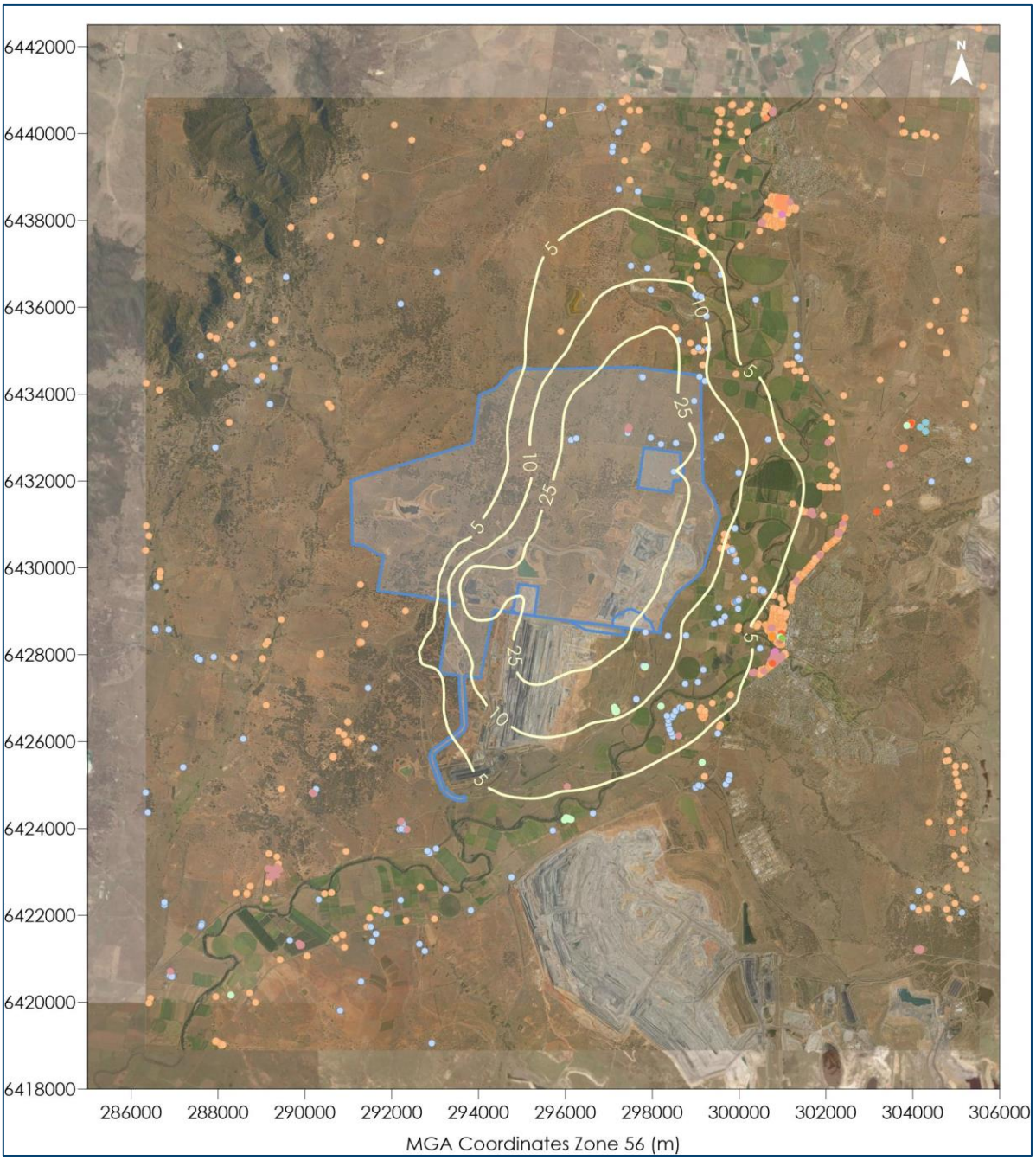
Refer to **Figure 2-1** for receiver legend

Figure E-39: Predicted annual average dust deposition levels due to emissions from the Project in Scenario 4 (g/m²/month)



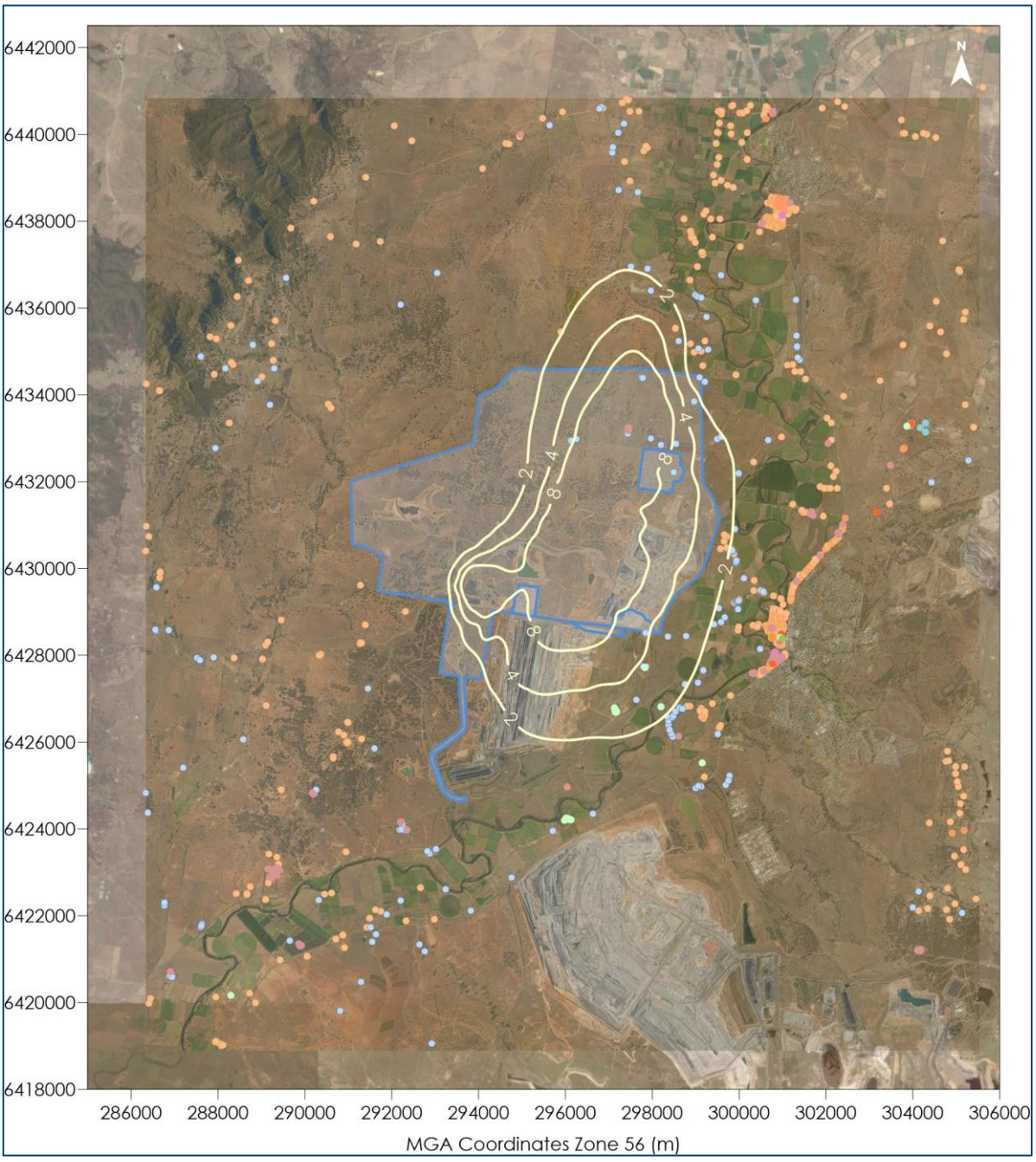
Refer to **Figure 2-1** for receiver legend

Figure E-40: Predicted annual average dust deposition levels due to emissions from the Project and other sources in Scenario 4 (g/m²/month)



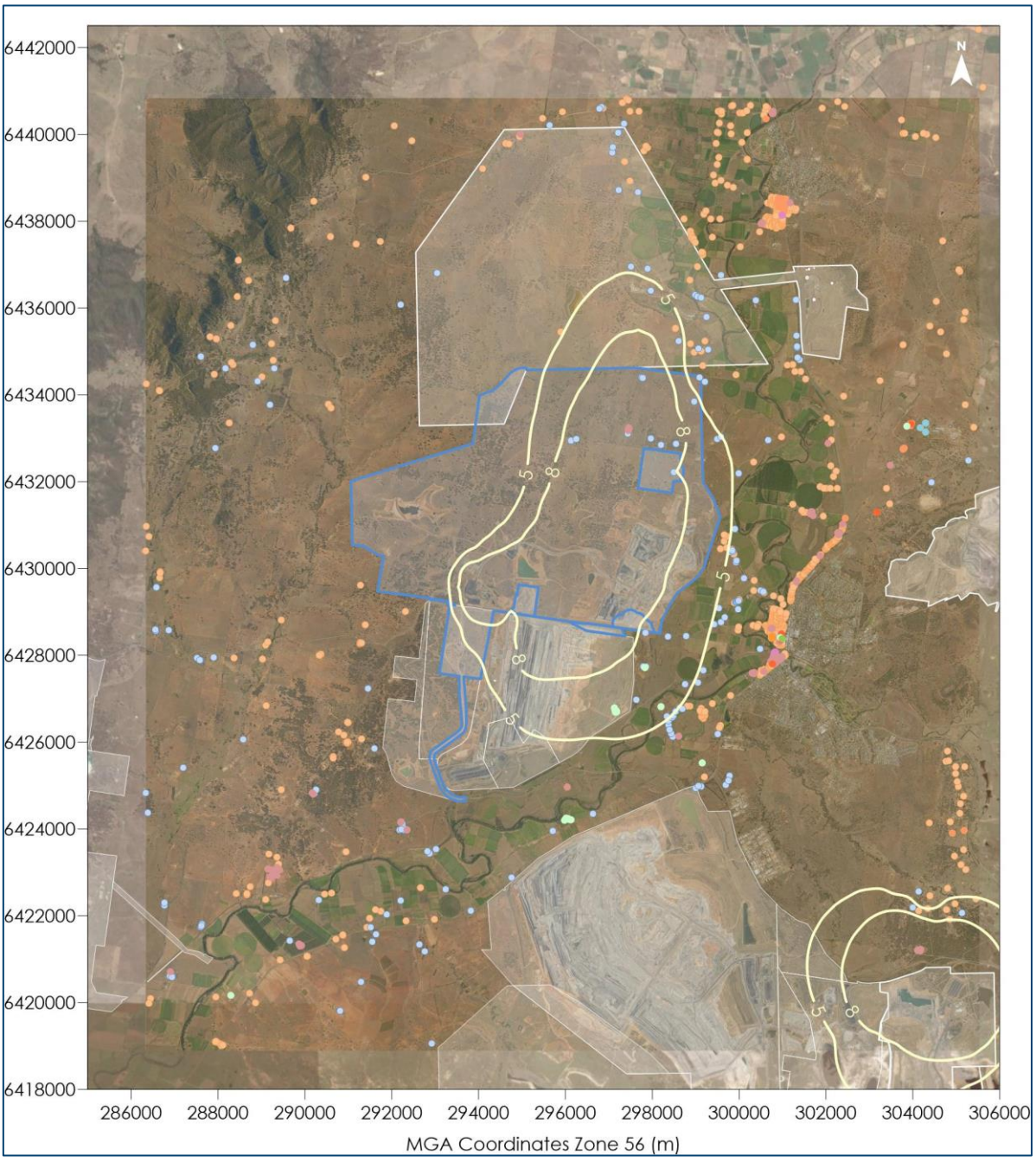
Refer to **Figure 2-1** for receiver legend

Figure E-41: Predicted maximum 24-hour average $PM_{2.5}$ concentrations due to emissions from the Project in Scenario 5 (µg/m³)



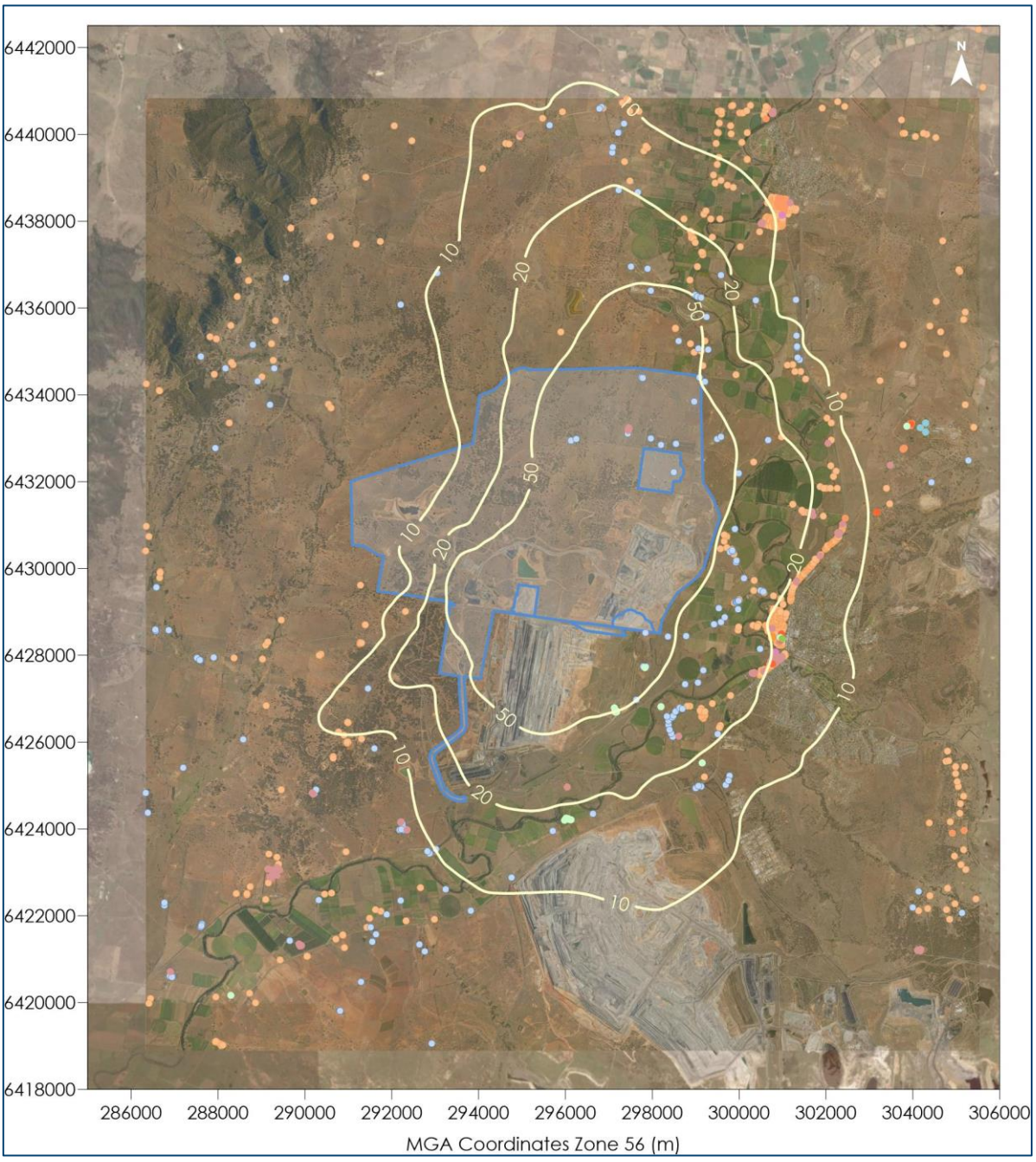
Refer to **Figure 2-1** for receiver legend

Figure E-42: Predicted annual average $PM_{2.5}$ concentrations due to emissions from the Project in Scenario 5 (µg/m³)



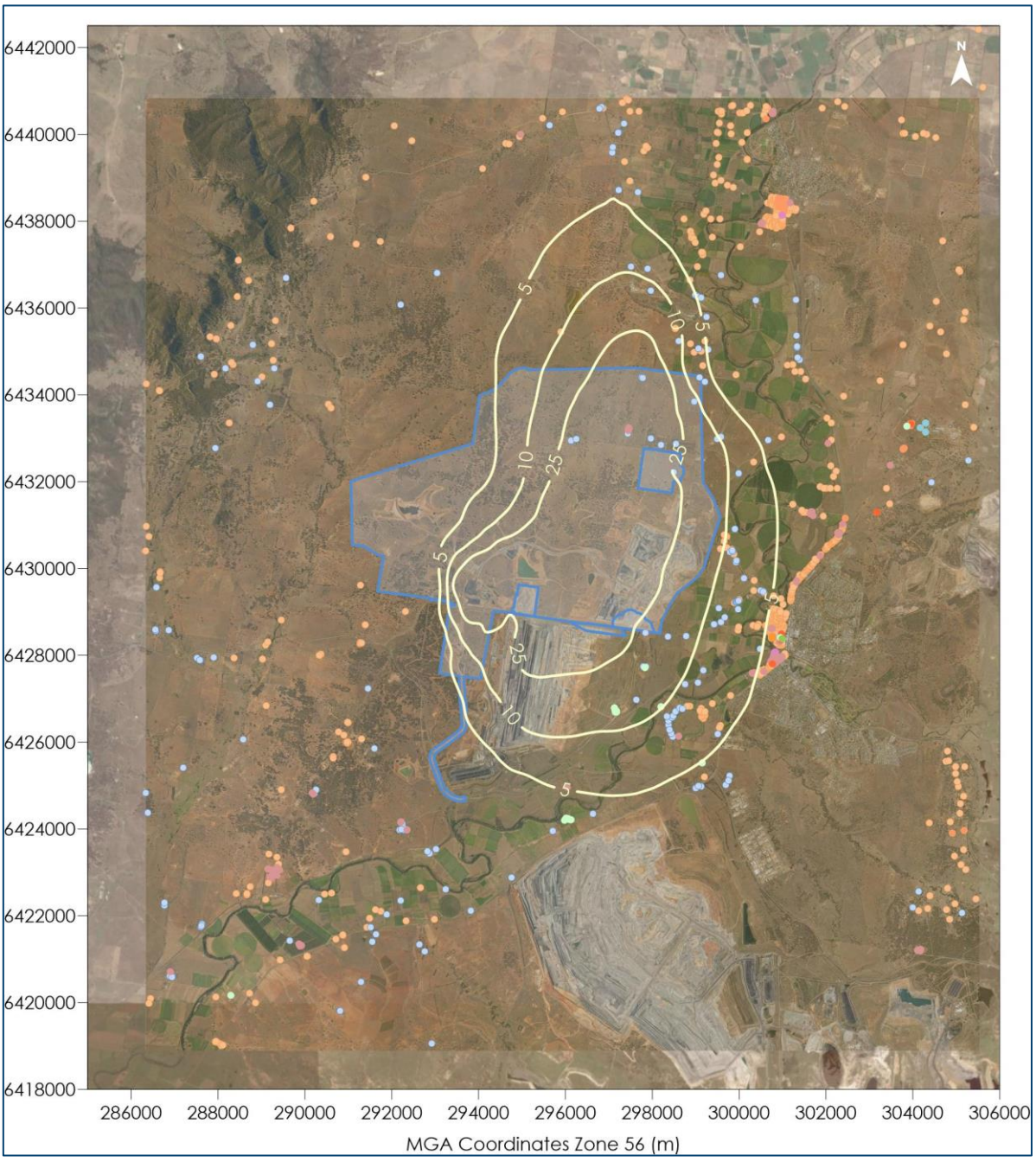
Refer to **Figure 2-1** for receiver legend

Figure E-43: Predicted annual average $PM_{2.5}$ concentrations due to emissions from the Project and other sources in Scenario 5 (µg/m³)



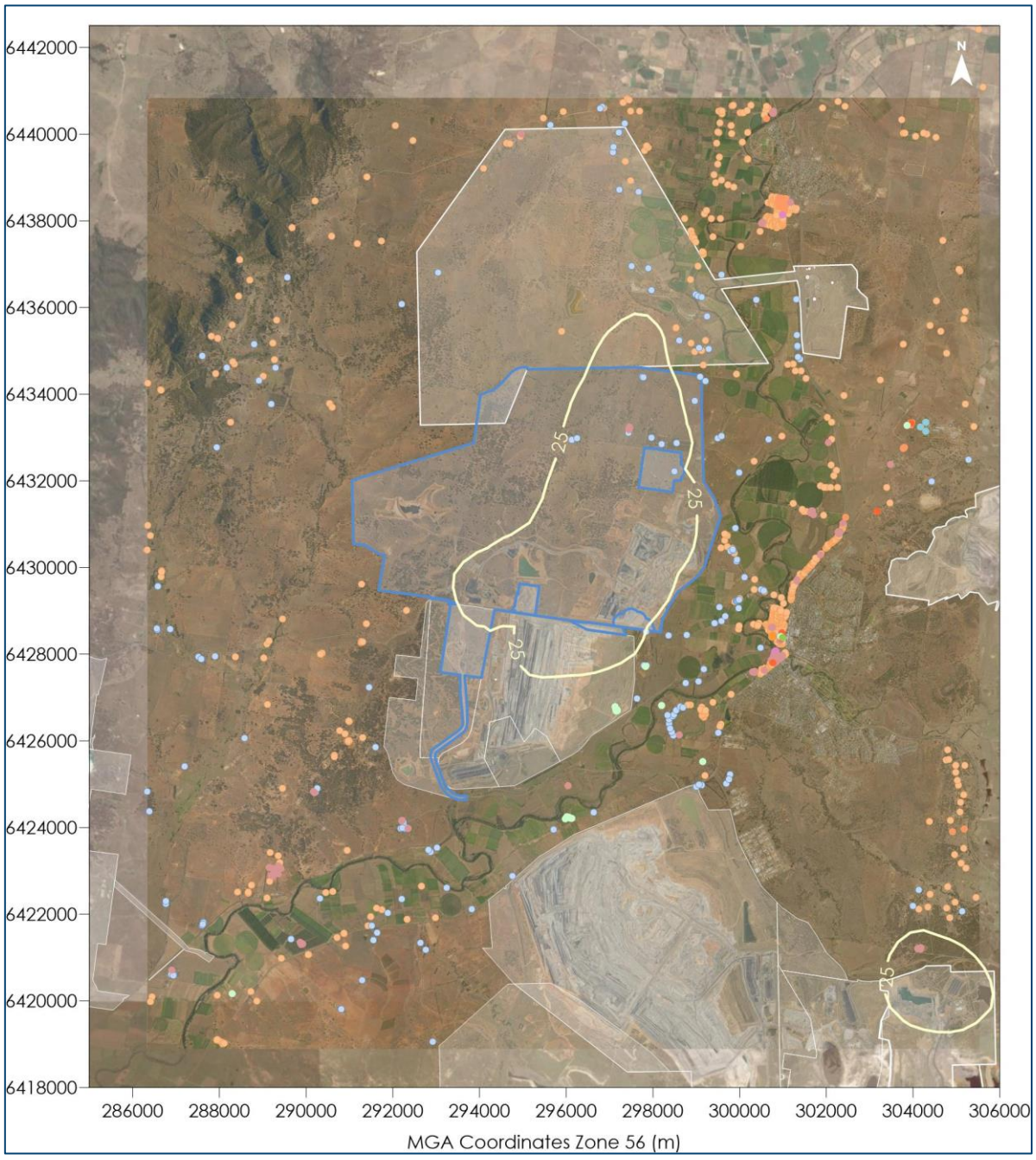
Refer to **Figure 2-1** for receiver legend

Figure E-44: Predicted maximum 24-hour average PM_{10} concentrations due to emissions from the Project in Scenario 5 (µg/m³)



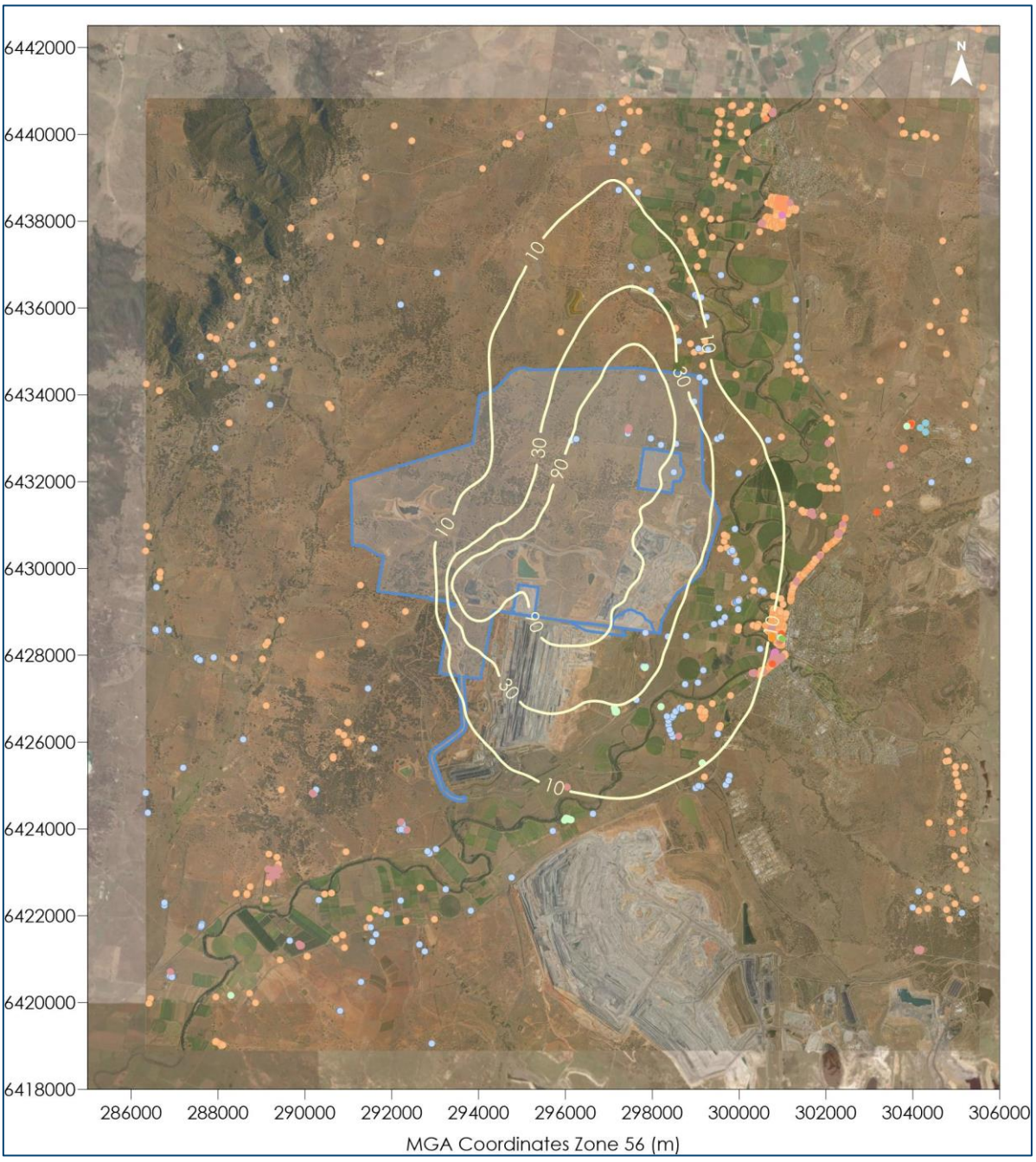
Refer to **Figure 2-1** for receiver legend

Figure E-45: Predicted annual average PM_{10} concentrations due to emissions from the Project in Scenario 5 (µg/m³)



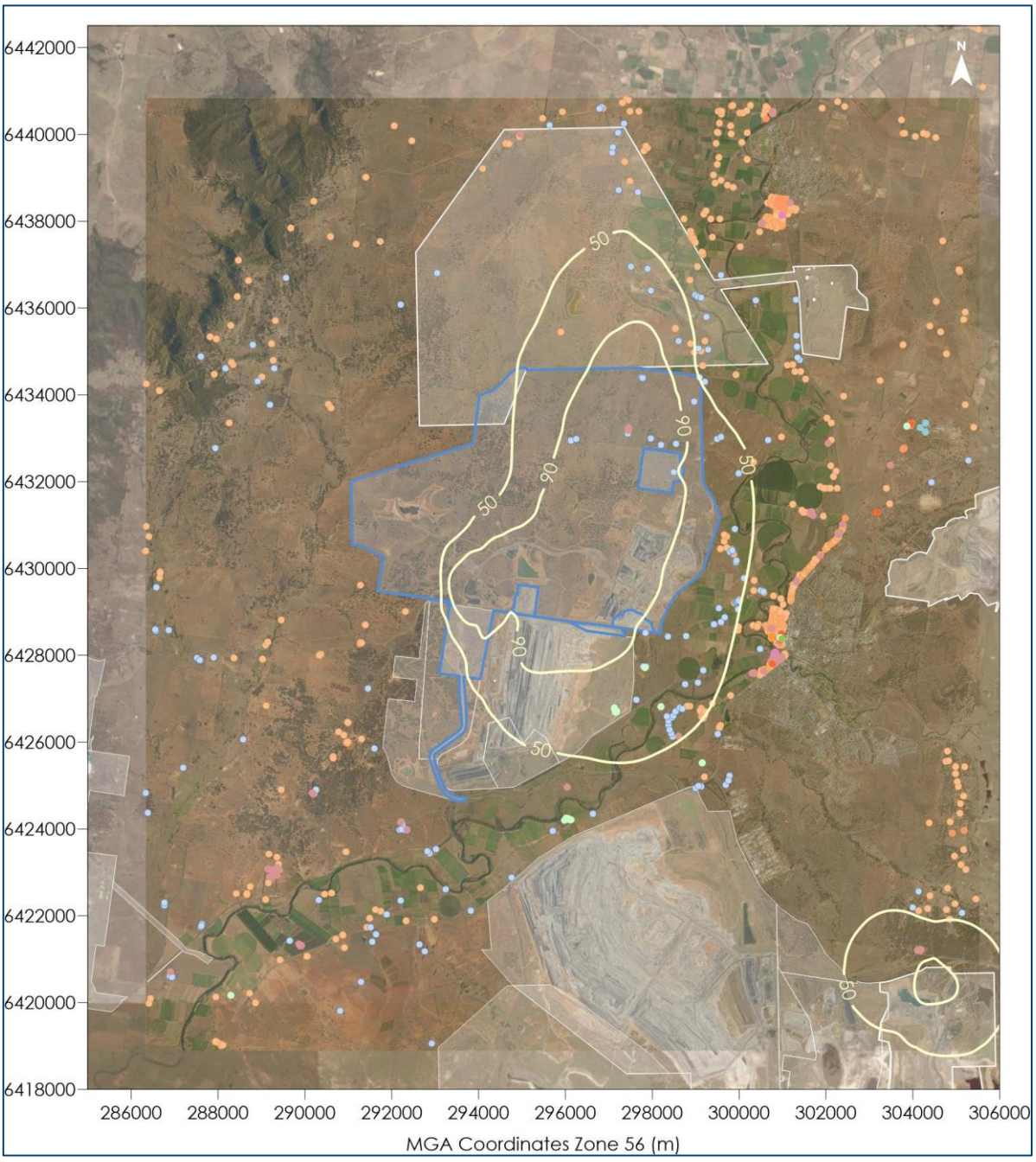
Refer to **Figure 2-1** for receiver legend

Figure E-46: Predicted annual average PM_{10} concentrations due to emissions from the Project and other sources in Scenario 5 (µg/m³)



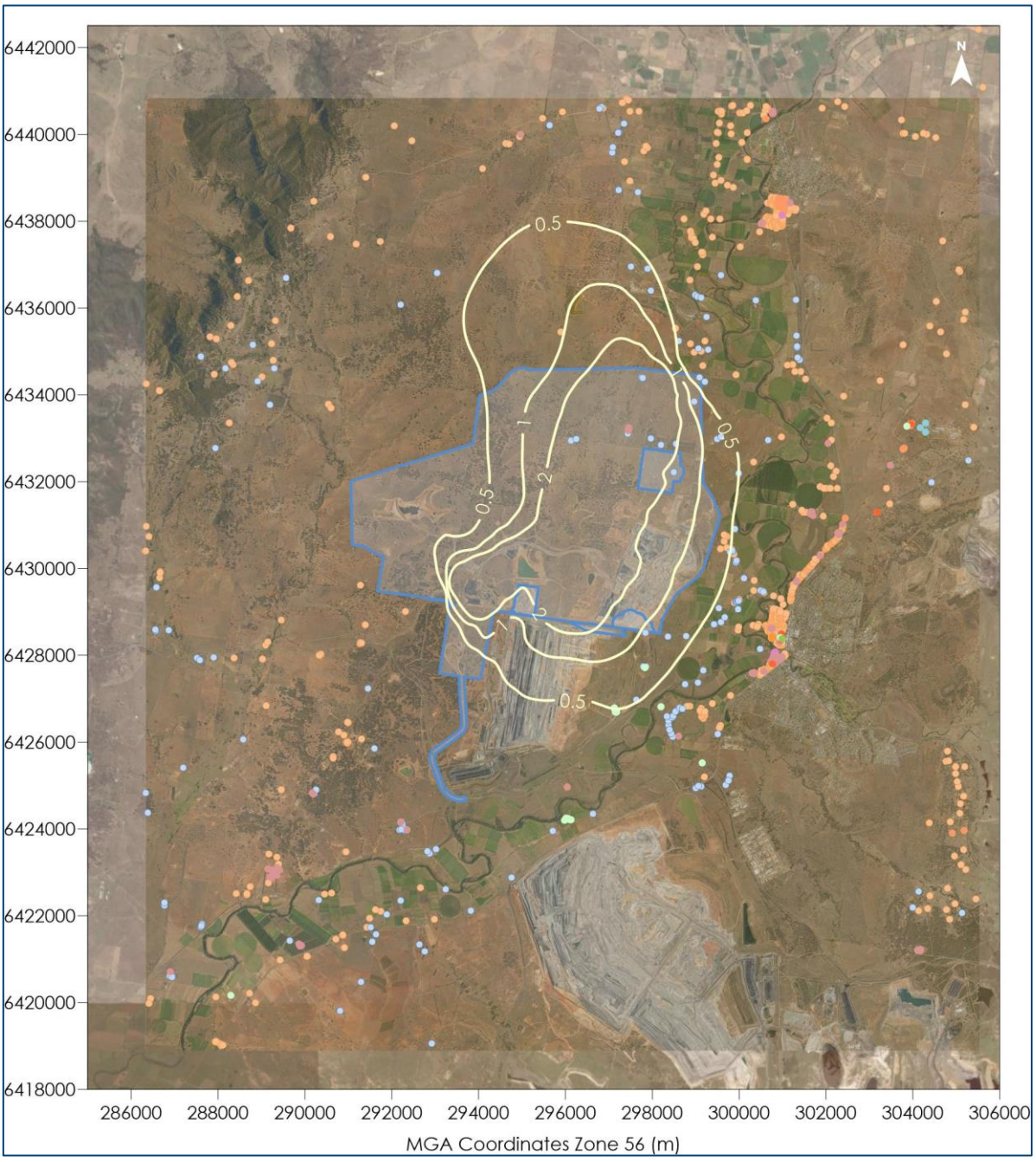
Refer to **Figure 2-1** for receiver legend

Figure E-47: Predicted annual average TSP concentrations due to emissions from the Project in Scenario 5 (µg/m³)



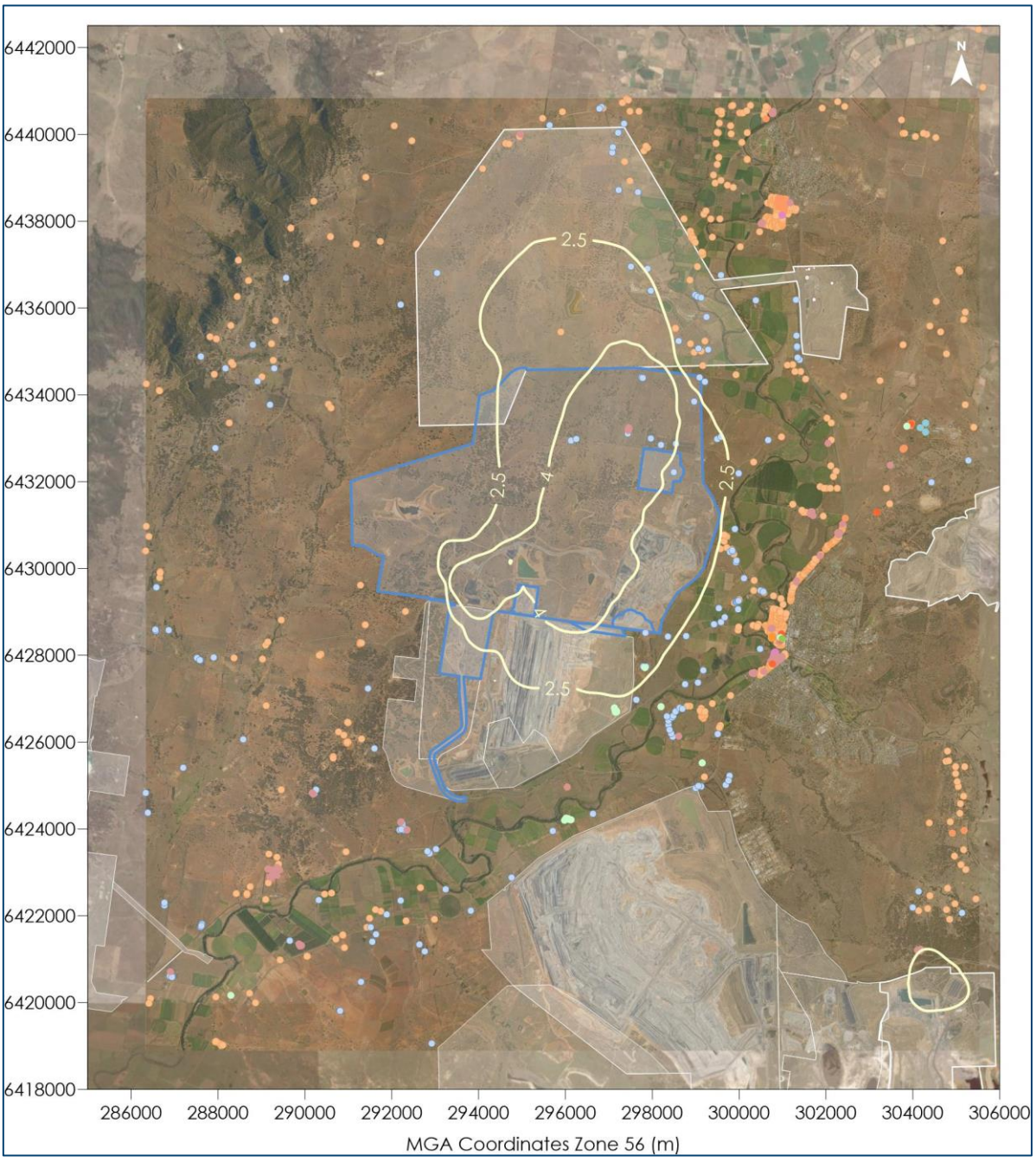
Refer to **Figure 2-1** for receiver legend

Figure E-48: Predicted annual average TSP concentrations due to emissions from the Project and other sources in Scenario 5 (µg/m³)



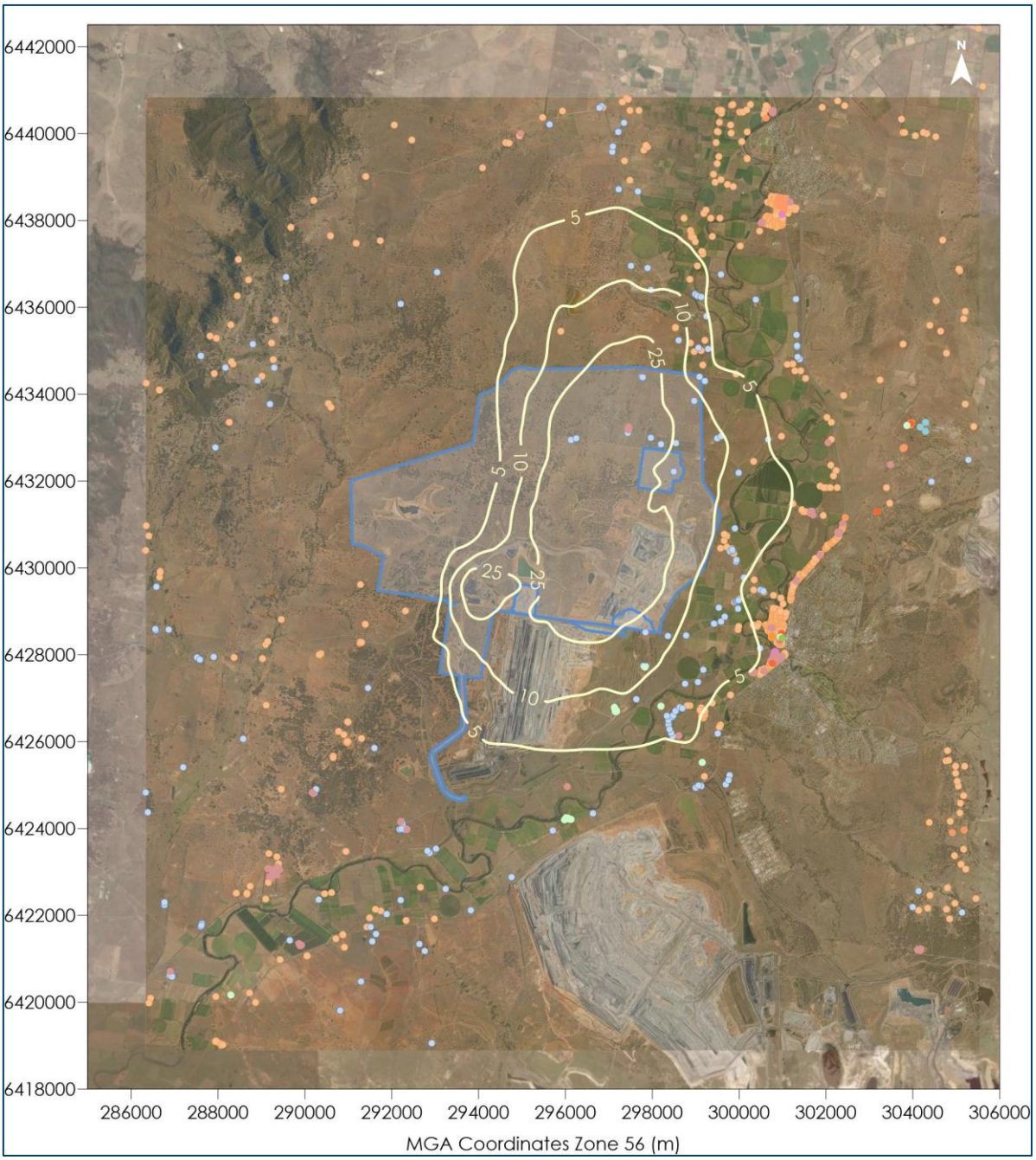
Refer to **Figure 2-1** for receiver legend

Figure E-49: Predicted annual average dust deposition levels due to emissions from the Project in Scenario 5 (g/m²/month)



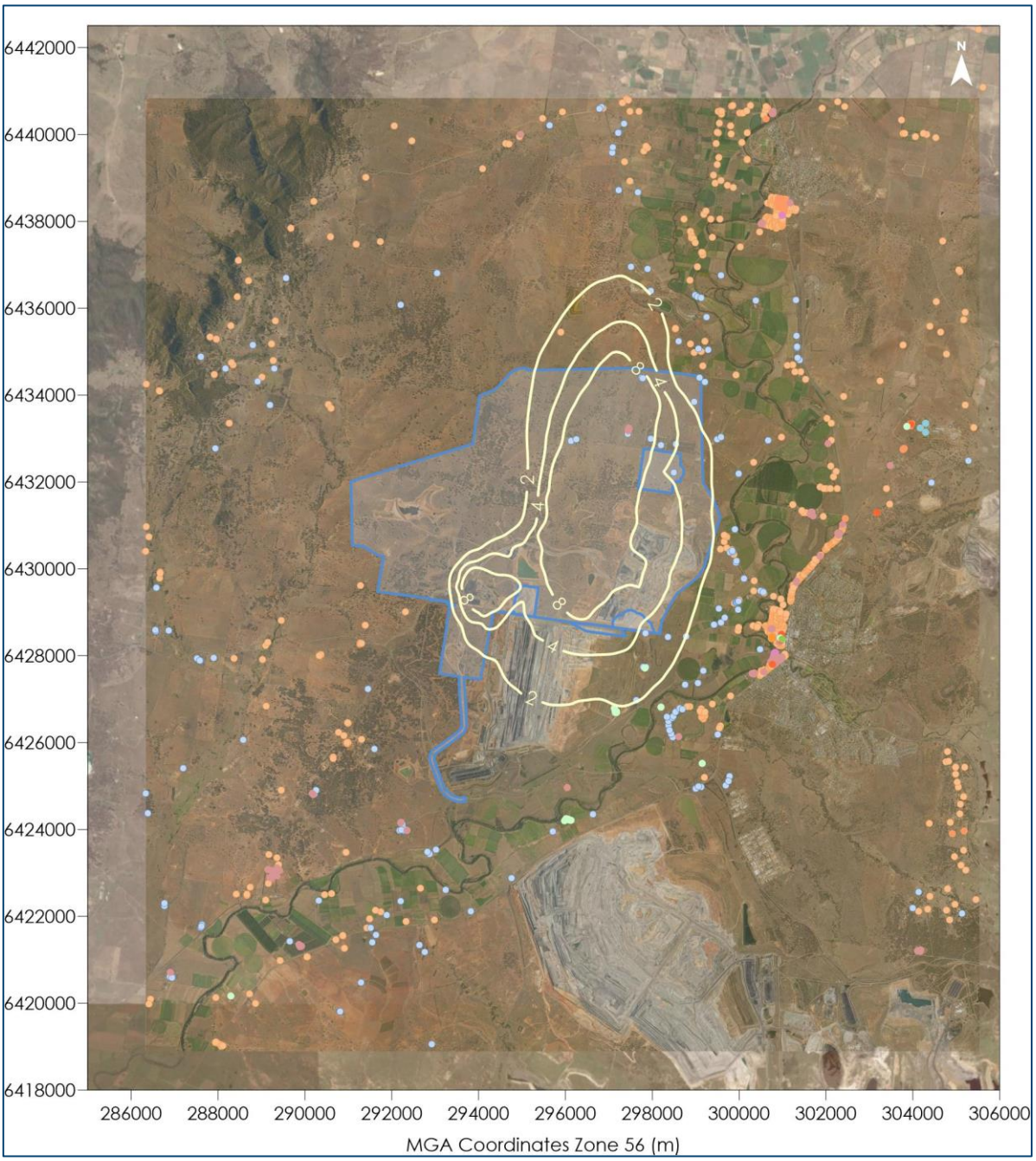
Refer to **Figure 2-1** for receiver legend

Figure E-50: Predicted annual average dust deposition levels due to emissions from the Project and other sources in Scenario 5 (g/m²/month)



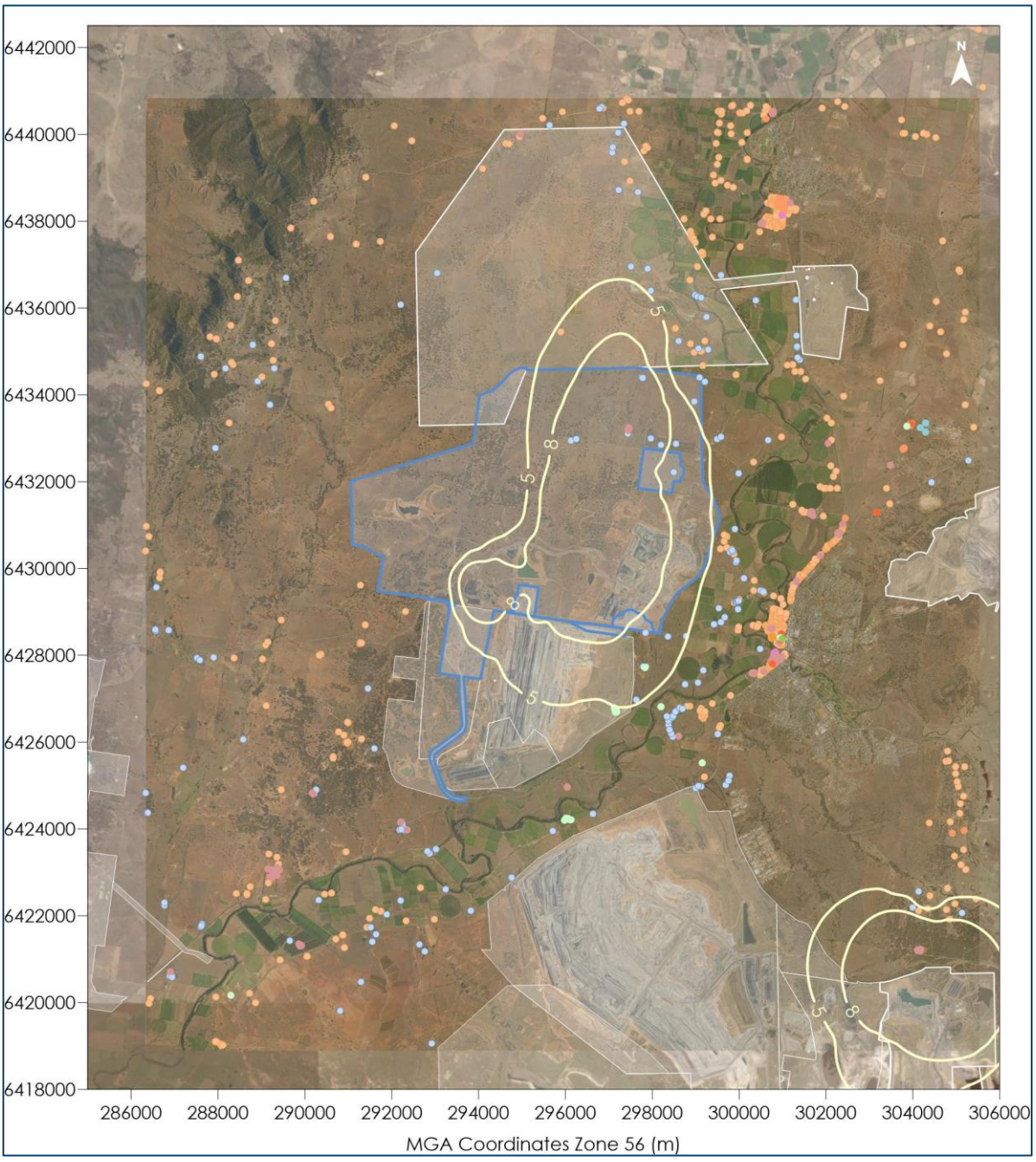
Refer to **Figure 2-1** for receiver legend

Figure E-51: Predicted maximum 24-hour average $PM_{2.5}$ concentrations due to emissions from the Project in Scenario 6 (µg/m³)



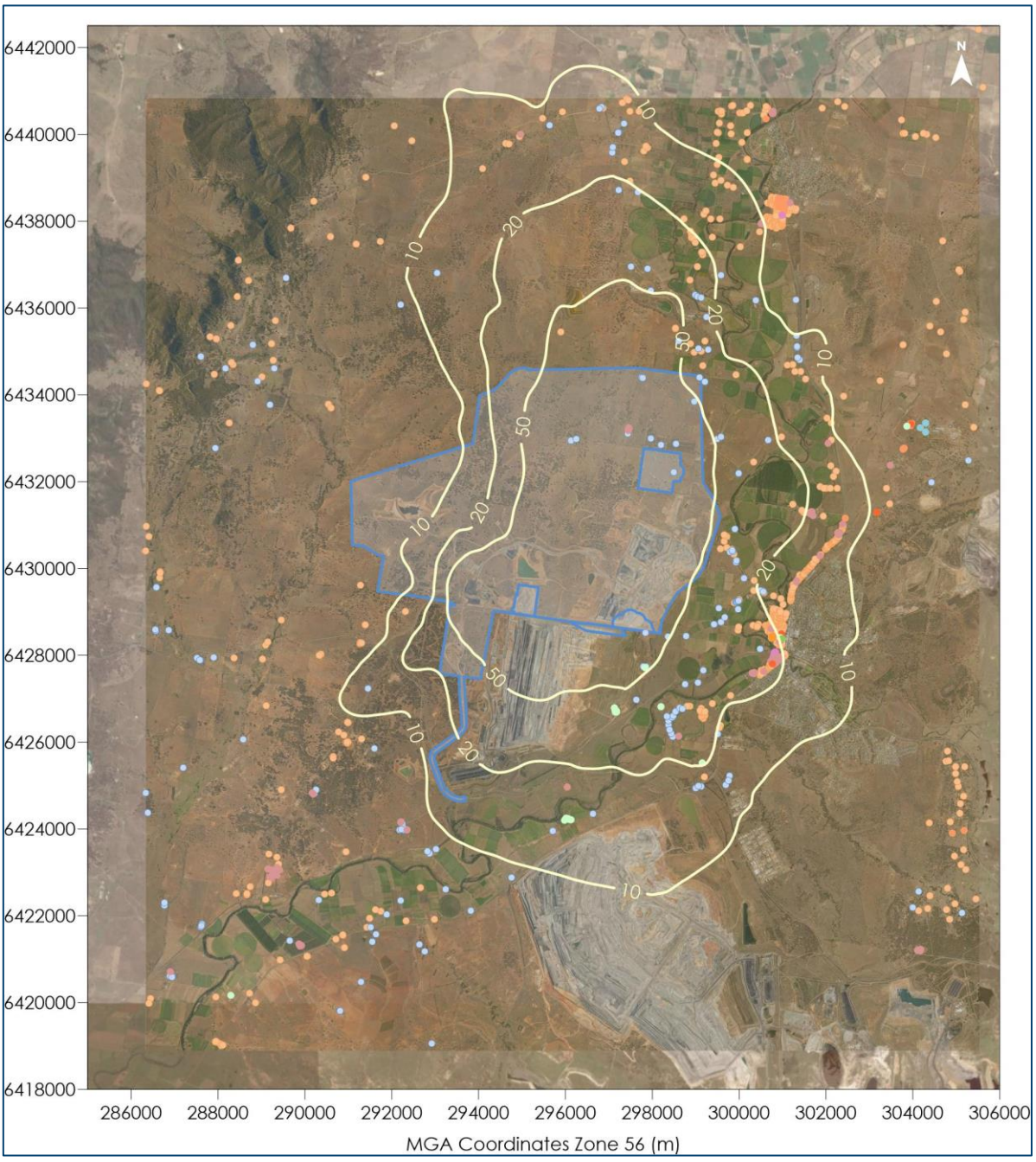
Refer to **Figure 2-1** for receiver legend

Figure E-52: Predicted annual average $PM_{2.5}$ concentrations due to emissions from the Project in Scenario 6 (µg/m³)



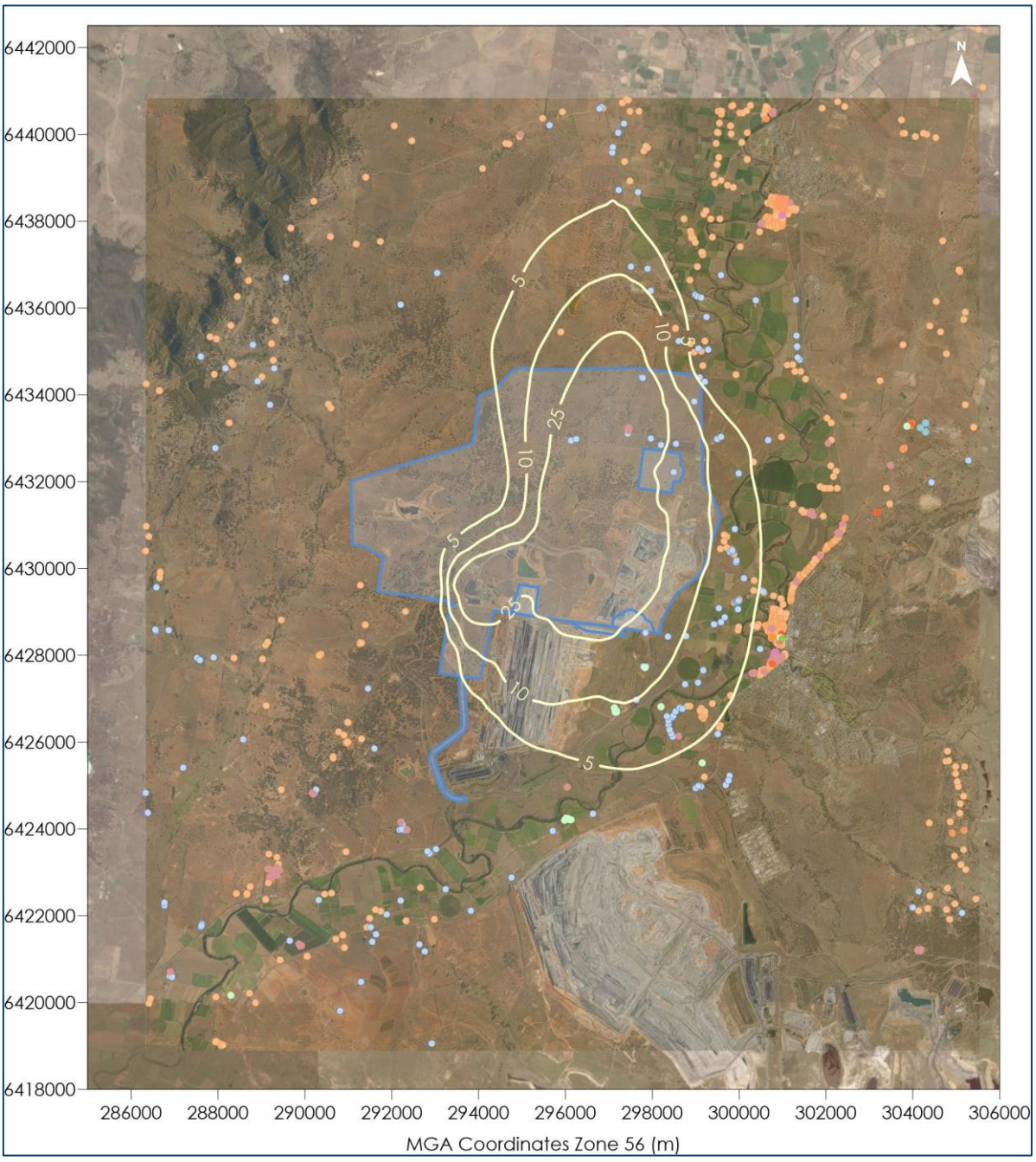
Refer to **Figure 2-1** for receiver legend

Figure E-53: Predicted annual average $PM_{2.5}$ concentrations due to emissions from the Project and other sources in Scenario 6 (µg/m³)



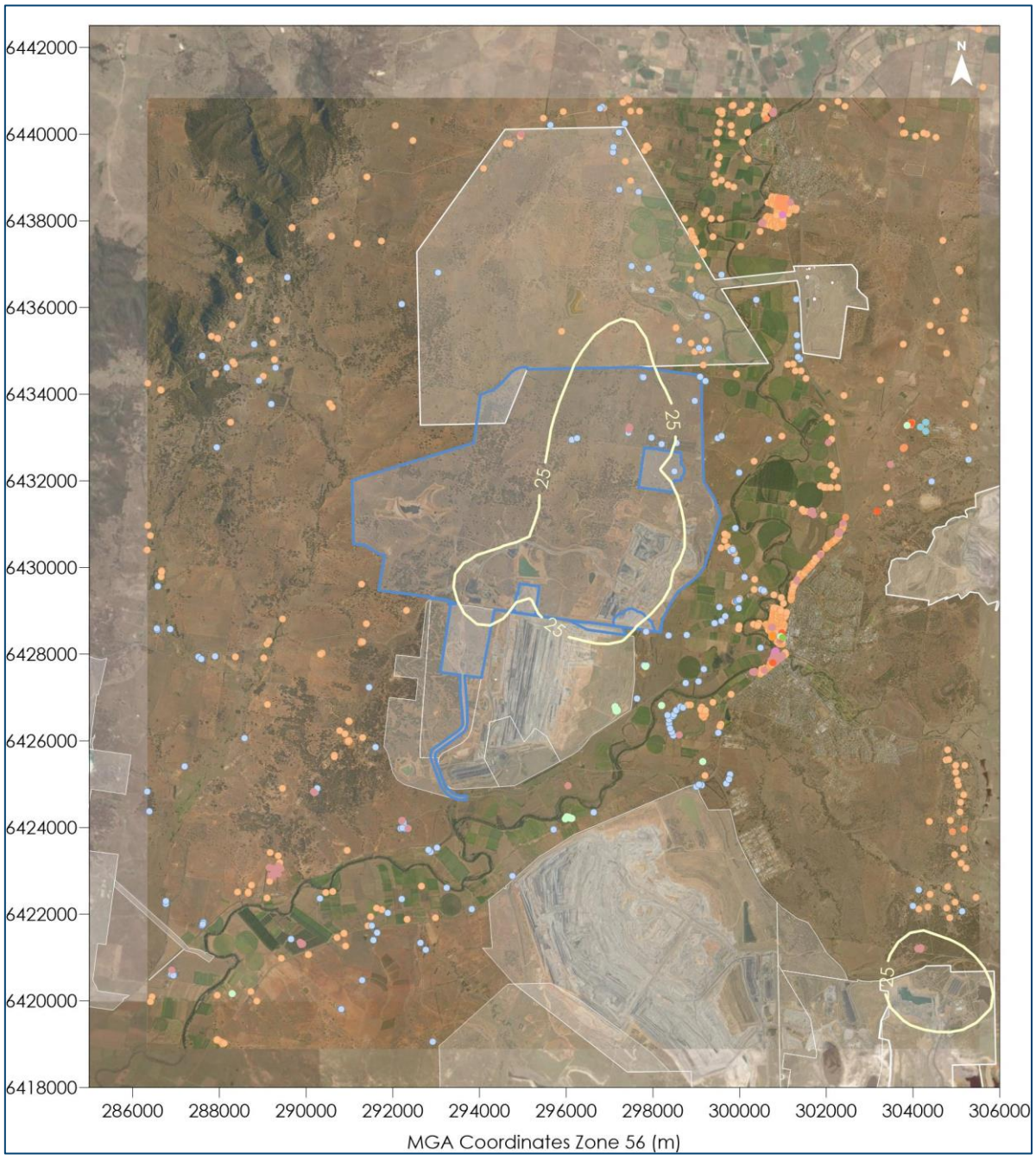
Refer to **Figure 2-1** for receiver legend

Figure E-54: Predicted maximum 24-hour average PM_{10} concentrations due to emissions from the Project in Scenario 6 (µg/m³)



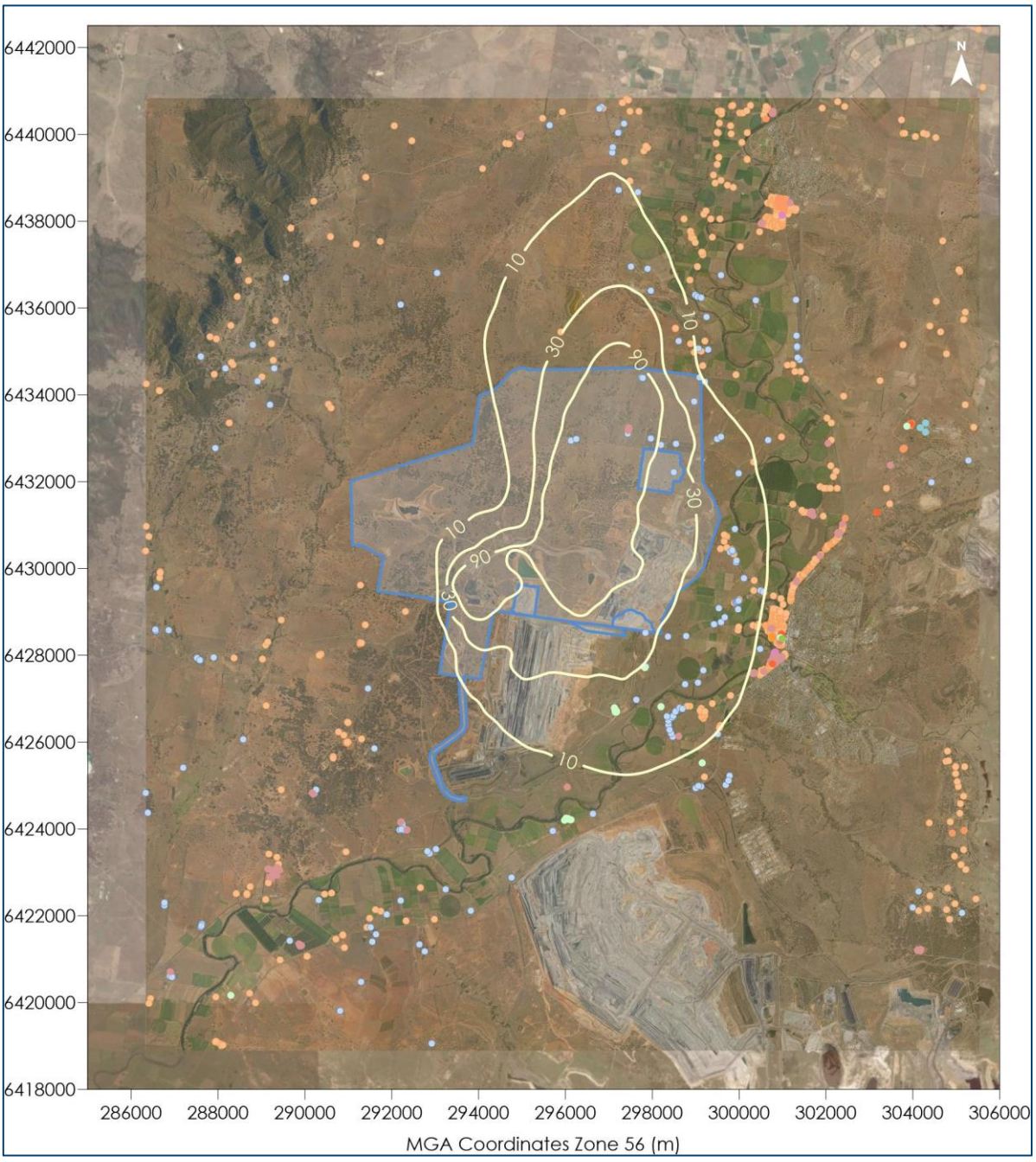
Refer to **Figure 2-1** for receiver legend

Figure E-55: Predicted annual average PM_{10} concentrations due to emissions from the Project in Scenario 6 (µg/m³)



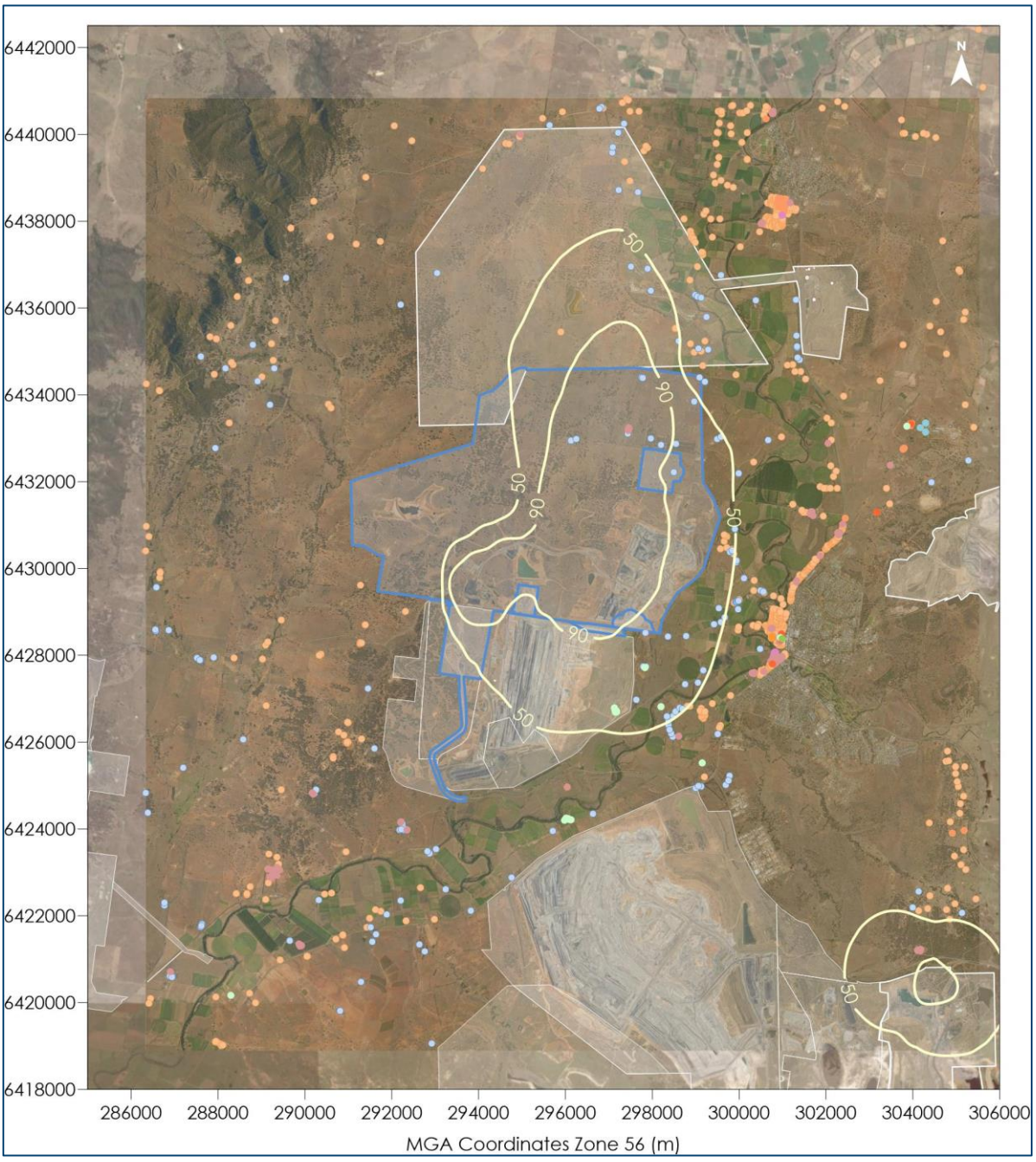
Refer to **Figure 2-1** for receiver legend

Figure E-56: Predicted annual average PM_{10} concentrations due to emissions from the Project and other sources in Scenario 6 (µg/m³)



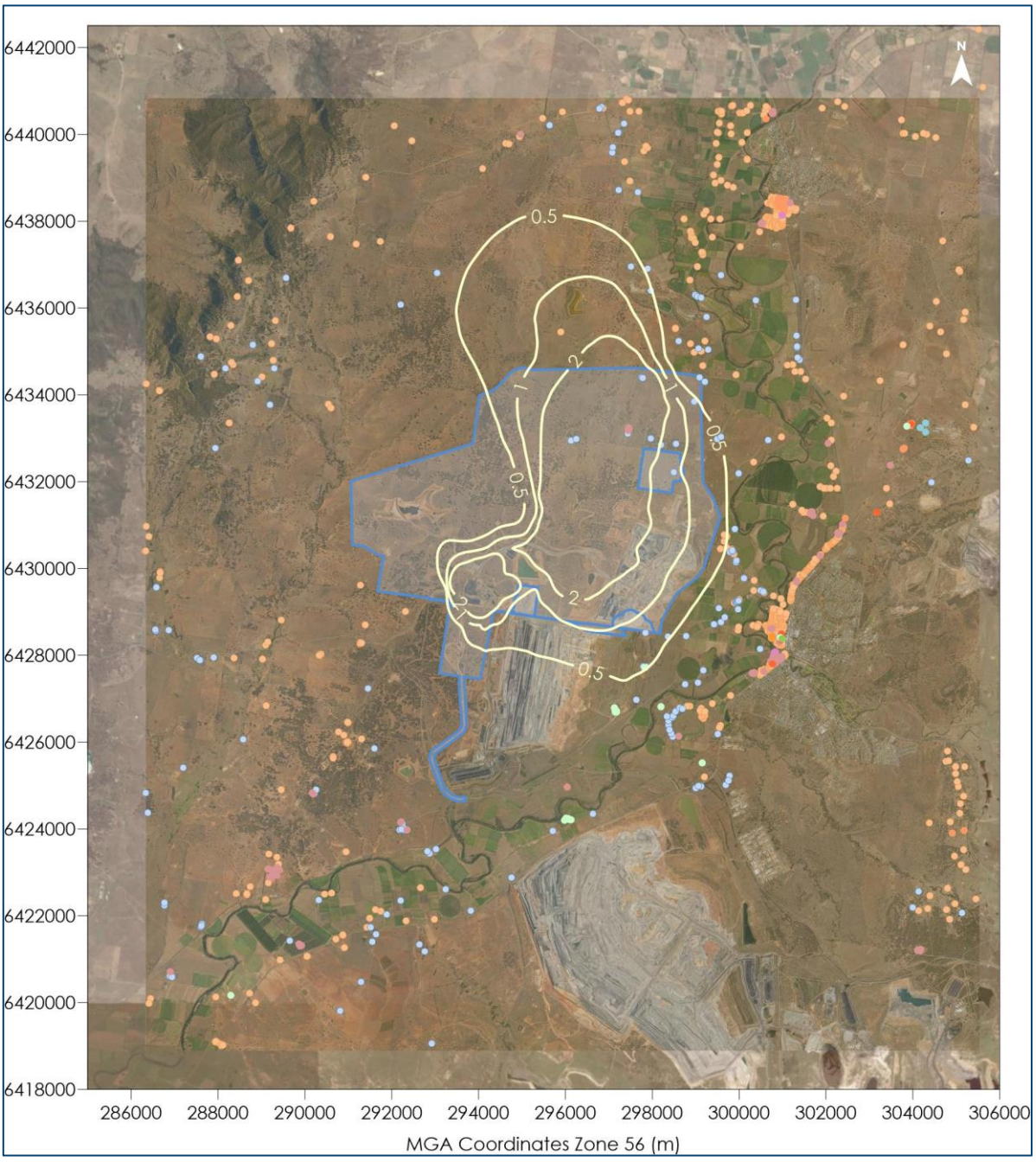
Refer to **Figure 2-1** for receiver legend

Figure E-57: Predicted annual average TSP concentrations due to emissions from the Project in Scenario 6 (µg/m³)



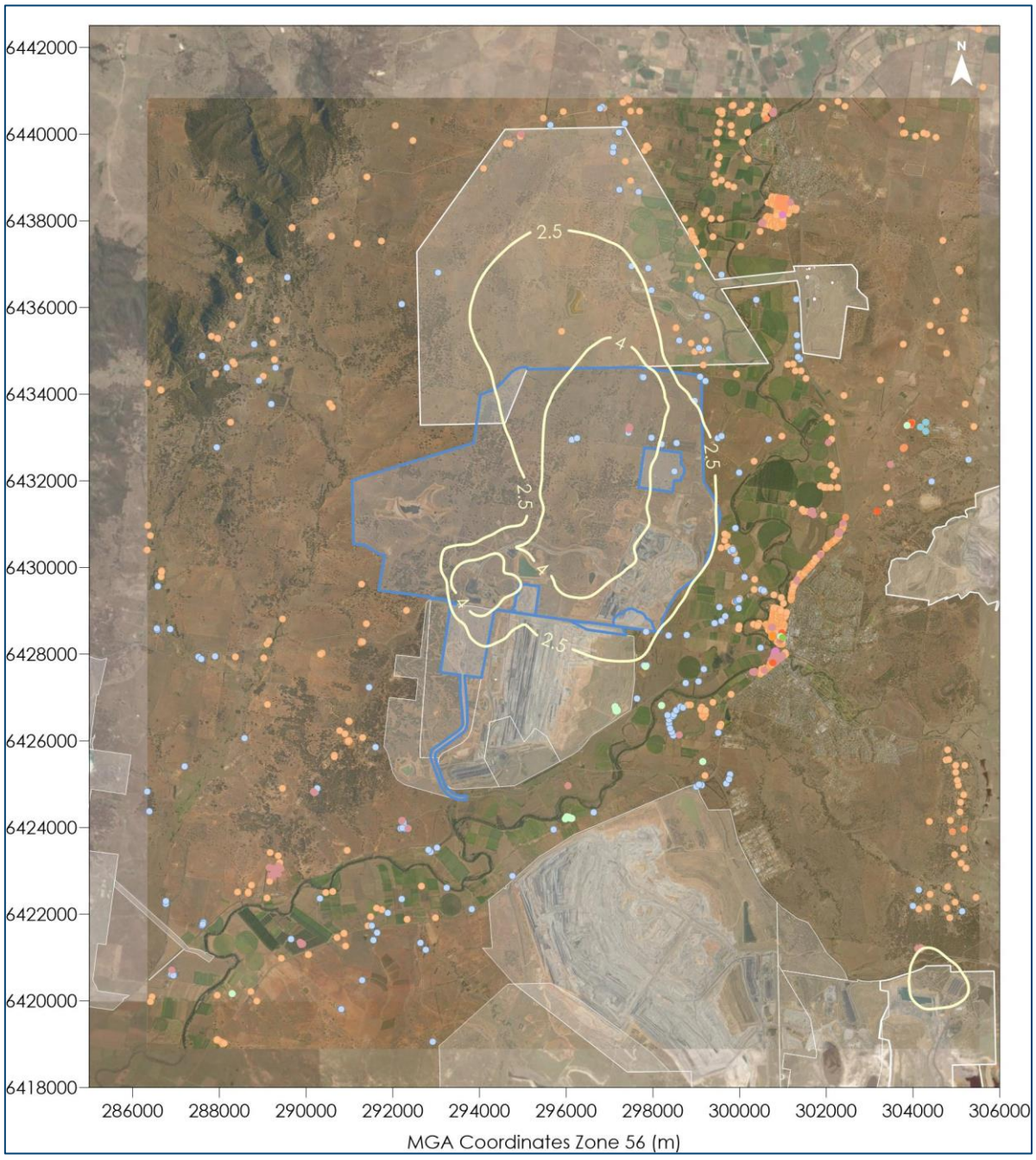
Refer to **Figure 2-1** for receiver legend

Figure E-58: Predicted annual average TSP concentrations due to emissions from the Project and other sources in Scenario 6 (µg/m³)



Refer to **Figure 2-1** for receiver legend

Figure E-59: Predicted annual average dust deposition levels due to emissions from the Project in Scenario 6 (g/m²/month)



Refer to **Figure 2-1** for receiver legend

Figure E-60: Predicted annual average dust deposition levels due to emissions from the Project and other sources in Scenario 6 (g/m²/month)

Appendix F

Further Detail Regarding 24-hour $PM_{2.5}$ Analysis

Table F-1: Scenario 1 – Receptor location 21

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.7	32.9				
21/07/2015	27.3	2.1	29.4				
22/07/2015	26.7	2.0	28.7				
30/06/2015	24.5	2.7	27.2	30/05/2015	7	5.7	12.7
28/06/2015	23.6	2.6	26.2	4/06/2015	20.2	5.1	25.3
6/06/2015	23.2	1.6	24.8	29/05/2015	9.1	4.9	14.0
9/08/2015	22.9	1.4	24.3	12/05/2015	ND	4.9	4.9
22/06/2015	22	2.7	24.7	24/04/2015	4.1	4.9	9.0
10/03/2015	21.6	0.1	21.7	28/07/2015	10.9	4.8	15.7
29/07/2015	21.5	2.2	23.7	28/05/2015	ND	4.8	4.8
23/07/2015	21.3	4.1	25.4	5/06/2015	20.2	4.7	24.9
8/07/2015	21.2	1.2	22.4	20/05/2015	4.2	4.7	8.9
8/08/2015	21.2	1.8	23.0	27/06/2015	14.3	4.7	19.0
19/07/2015	21.1	0.7	21.8	18/06/2015	8	4.4	12.4
5/07/2015	20.9	4.3	25.2	2/07/2015	12.4	4.4	16.8
24/06/2015	20.7	2.3	23.0	31/07/2015	17.6	4.3	21.9
19/08/2015	20.5	1.1	21.6	30/07/2015	14.3	4.3	18.6

ND – No data

Table F-2: Scenario 1 – Receptor location 35b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.9	32.1				
21/07/2015	27.3	1.3	28.6				
22/07/2015	26.7	1.2	27.9				
30/06/2015	24.5	1.6	26.1	1/07/2015	16.4	4.2	20.6
28/06/2015	23.6	1.3	24.9	24/04/2015	4.1	3.8	7.9
6/06/2015	23.2	1.4	24.6	27/03/2015	2.3	3.5	5.8
9/08/2015	22.9	0.6	23.5	31/05/2015	5.8	3.3	9.1
22/06/2015	22	1.3	23.3	28/05/2015	ND	3.2	3.2
10/03/2015	21.6	0.1	21.7	30/05/2015	7	3.1	10.1
29/07/2015	21.5	1.2	22.7	6/04/2015	3.5	3.0	6.5
23/07/2015	21.3	2.8	24.1	3/08/2015	7	2.9	9.9
8/07/2015	21.2	1.1	22.3	19/06/2015	13.1	2.9	16.0
8/08/2015	21.2	1.1	22.3	16/04/2015	8.3	2.9	11.2

Table F-3: Scenario 1 – Receptor location 43

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.5	31.7				
21/07/2015	27.3	0.4	27.7				
22/07/2015	26.7	0.5	27.2				
30/06/2015	24.5	0.4	24.9	15/04/2015	10.6	1.1	11.7
28/06/2015	23.6	0.3	23.9	16/06/2015	14.9	1.1	16.0
6/06/2015	23.2	0.3	23.5	13/06/2015	13.6	0.9	14.5
9/08/2015	22.9	0.3	23.2	4/09/2015	10.7	0.9	11.6
22/06/2015	22	0.6	22.6	13/09/2015	9.1	0.9	10.0
10/03/2015	21.6	0.1	21.7	19/07/2015	21.1	0.8	21.9
29/07/2015	21.5	0.2	21.7	3/01/2015	6.6	0.8	7.4
23/07/2015	21.3	0.4	21.7	27/05/2015	ND	0.8	0.8
8/07/2015	21.2	0.7	21.9	20/06/2015	14.4	0.8	15.2
8/08/2015	21.2	0.1	21.3	9/01/2015	6.4	0.8	7.2

Table F-4: Scenario 1 – Receptor location 43b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.4	31.6				
21/07/2015	27.3	0.3	27.6				
22/07/2015	26.7	0.3	27.0				
30/06/2015	24.5	0.3	24.8	16/06/2015	14.9	0.7	15.6
28/06/2015	23.6	0.2	23.8	15/04/2015	10.6	0.7	11.3
6/06/2015	23.2	0.2	23.4	13/06/2015	13.6	0.6	14.2
9/08/2015	22.9	0.2	23.1	27/05/2015	ND	0.6	0.6
22/06/2015	22	0.4	22.4	4/09/2015	10.7	0.6	11.3
10/03/2015	21.6	0.0	21.6	15/06/2015	12.9	0.5	13.4
29/07/2015	21.5	0.1	21.6	13/09/2015	9.1	0.5	9.6
23/07/2015	21.3	0.2	21.5	19/07/2015	21.1	0.5	21.6
8/07/2015	21.2	0.4	21.6	9/01/2015	6.4	0.5	6.9
8/08/2015	21.2	0.0	21.2	20/06/2015	14.4	0.5	14.9

Table F-5: Scenario 1 – Receptor location 47

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.3	31.5				
21/07/2015	27.3	0.2	27.5				
22/07/2015	26.7	0.2	26.9				
30/06/2015	24.5	0.2	24.7	16/06/2015	14.9	0.5	15.4
28/06/2015	23.6	0.1	23.7	13/06/2015	13.6	0.5	14.1
6/06/2015	23.2	0.1	23.3	20/06/2015	14.4	0.5	14.9
9/08/2015	22.9	0.2	23.1	3/01/2015	6.6	0.5	7.1
22/06/2015	22	0.3	22.3	27/05/2015	ND	0.5	0.5
10/03/2015	21.6	0.0	21.6	19/07/2015	21.1	0.5	21.6
29/07/2015	21.5	0.1	21.6	13/09/2015	9.1	0.4	9.5
23/07/2015	21.3	0.2	21.5	4/09/2015	10.7	0.4	11.1
8/07/2015	21.2	0.4	21.6	19/10/2015	8.4	0.4	8.8
8/08/2015	21.2	0.0	21.2	15/06/2015	12.9	0.4	13.3

Table F-6: Scenario 1 – Receptor location 67

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.0	32.2				
21/07/2015	27.3	1.2	28.5				
22/07/2015	26.7	1.4	28.1				
30/06/2015	24.5	1.8	26.3	1/07/2015	16.4	4.7	21.1
28/06/2015	23.6	1.3	24.9	24/04/2015	4.1	3.8	7.9
6/06/2015	23.2	1.6	24.8	14/01/2015	4.7	3.7	8.4
9/08/2015	22.9	0.6	23.5	27/03/2015	2.3	3.7	6.0
22/06/2015	22	1.4	23.4	28/05/2015	ND	3.6	3.6
10/03/2015	21.6	0.1	21.7	16/04/2015	8.3	3.5	11.8
29/07/2015	21.5	1.1	22.6	19/06/2015	13.1	3.5	16.6
23/07/2015	21.3	3.1	24.4	31/05/2015	5.8	3.3	9.1
8/07/2015	21.2	1.3	22.5	6/04/2015	3.5	3.2	6.7
8/08/2015	21.2	1.1	22.3	25/08/2015	3.6	3.2	6.8

Table F-7: Scenario 1 – Receptor location 102

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.3	32.5				
21/07/2015	27.3	1.3	28.6				
22/07/2015	26.7	1.9	28.6				
30/06/2015	24.5	2.1	26.6	28/05/2015	ND	5.1	5.1
28/06/2015	23.6	1.4	25.0	1/07/2015	16.4	4.9	21.3
6/06/2015	23.2	2.2	25.4	27/05/2015	ND	4.6	4.6
9/08/2015	22.9	0.7	23.6	14/01/2015	4.7	4.5	9.2
22/06/2015	22.0	2.1	24.1	19/06/2015	13.1	4.3	17.4
10/03/2015	21.6	0.2	21.8	5/06/2015	20.2	4.3	24.5
29/07/2015	21.5	1.3	22.8	11/07/2015	12.2	4.2	16.4
23/07/2015	21.3	4.0	25.3	23/04/2015	4.5	4.1	8.6
8/07/2015	21.2	1.5	22.7	24/04/2015	4.1	4.0	8.1
8/08/2015	21.2	1.8	23.0	23/07/2015	21.3	4.0	25.3
19/07/2015	21.1	1.7	22.8	20/06/2015	14.4	3.9	18.3
5/07/2015	20.9	3.6	24.5	6/04/2015	3.5	3.9	7.4

Table F-8: Scenario 1 – Receptor location 108

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.6	32.8				
21/07/2015	27.3	1.4	28.7				
22/07/2015	26.7	2.2	28.9				
30/06/2015	24.5	2.4	26.9	28/05/2015	ND	5.9	5.9
28/06/2015	23.6	1.7	25.3	1/07/2015	16.4	5.3	21.7
6/06/2015	23.2	2.5	25.7	27/05/2015	ND	5.2	5.2
9/08/2015	22.9	0.8	23.7	19/06/2015	13.1	4.7	17.8
22/06/2015	22.0	2.5	24.5	14/01/2015	4.7	4.7	9.4
10/03/2015	21.6	0.2	21.8	5/06/2015	20.2	4.6	24.8
29/07/2015	21.5	1.6	23.1	11/07/2015	12.2	4.6	16.8
23/07/2015	21.3	4.5	25.8	23/04/2015	4.5	4.5	9.0
8/07/2015	21.2	1.6	22.8	23/07/2015	21.3	4.5	25.8
8/08/2015	21.2	2.0	23.2	24/04/2015	4.1	4.3	8.4
19/07/2015	21.1	1.9	23.0	20/06/2015	14.4	4.3	18.7
5/07/2015	20.9	3.9	24.8	24/06/2015	20.7	4.1	24.8
24/06/2015	20.7	4.1	24.8	6/04/2015	3.5	4.1	7.6

Table F-9: Scenario 1 – Receptor location 112

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.9	33.1				
21/07/2015	27.3	1.6	28.9				
22/07/2015	26.7	2.5	29.2				
30/06/2015	24.5	3.0	27.5	28/05/2015	ND	6.8	6.8
28/06/2015	23.6	2.0	25.6	27/05/2015	ND	6.0	6.0
6/06/2015	23.2	3.0	26.2	1/07/2015	16.4	5.9	22.3
9/08/2015	22.9	1.0	23.9	19/06/2015	13.1	5.3	18.4
22/06/2015	22	3.2	25.2	11/07/2015	12.2	5.3	17.5
10/03/2015	21.6	0.2	21.8	14/01/2015	4.7	5.1	9.8
29/07/2015	21.5	2.0	23.5	23/07/2015	21.3	5.1	26.4
23/07/2015	21.3	5.1	26.4	5/06/2015	20.2	5.1	25.3
8/07/2015	21.2	1.8	23.0	23/04/2015	4.5	5.0	9.5
8/08/2015	21.2	2.1	23.3	20/06/2015	14.4	4.8	19.2
19/07/2015	21.1	2.1	23.2	24/04/2015	4.1	4.7	8.8
5/07/2015	20.9	4.4	25.3	24/06/2015	20.7	4.6	25.3
24/06/2015	20.7	4.6	25.3	5/04/2015	3.2	4.6	7.8
19/08/2015	20.5	0.9	21.4	6/04/2015	3.5	4.5	8.0
21/08/2015	20.5	2.4	22.9	5/07/2015	20.9	4.4	25.3

Table F-10: Scenario 1 – Receptor location 118

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.8	33.0				
21/07/2015	27.3	1.5	28.8				
22/07/2015	26.7	2.4	29.1				
30/06/2015	24.5	2.8	27.3	28/05/2015	ND	6.6	6.6
28/06/2015	23.6	1.9	25.5	27/05/2015	ND	6.0	6.0
6/06/2015	23.2	2.8	26.0	1/07/2015	16.4	5.5	21.9
9/08/2015	22.9	0.9	23.8	11/07/2015	12.2	5.1	17.3
22/06/2015	22	3.0	25.0	19/06/2015	13.1	5.1	18.2
10/03/2015	21.6	0.2	21.8	5/06/2015	20.2	5.0	25.2
29/07/2015	21.5	1.8	23.3	23/07/2015	21.3	4.9	26.2
23/07/2015	21.3	4.9	26.2	14/01/2015	4.7	4.8	9.5
8/07/2015	21.2	1.7	22.9	23/04/2015	4.5	4.8	9.3
8/08/2015	21.2	2.2	23.4	20/06/2015	14.4	4.7	19.1
19/07/2015	21.1	2.1	23.2	24/06/2015	20.7	4.6	25.3
5/07/2015	20.9	4.2	25.1	24/04/2015	4.1	4.4	8.5
24/06/2015	20.7	4.6	25.3	6/04/2015	3.5	4.4	7.9

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
19/08/2015	20.5	0.8	21.3	5/04/2015	3.2	4.3	7.5

Table F-11: Scenario 1 – Receptor location 120

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.8	33.0				
21/07/2015	27.3	1.5	28.8				
22/07/2015	26.7	2.4	29.1				
30/06/2015	24.5	2.8	27.3	28/05/2015	ND	6.6	6.6
28/06/2015	23.6	1.9	25.5	27/05/2015	ND	6.0	6.0
6/06/2015	23.2	2.8	26.0	1/07/2015	16.4	5.5	21.9
9/08/2015	22.9	0.9	23.8	11/07/2015	12.2	5.1	17.3
22/06/2015	22	3.0	25.0	19/06/2015	13.1	5.1	18.2
10/03/2015	21.6	0.2	21.8	5/06/2015	20.2	5.0	25.2
29/07/2015	21.5	1.8	23.3	23/07/2015	21.3	4.9	26.2
23/07/2015	21.3	4.9	26.2	14/01/2015	4.7	4.8	9.5
8/07/2015	21.2	1.7	22.9	23/04/2015	4.5	4.8	9.3
8/08/2015	21.2	2.2	23.4	20/06/2015	14.4	4.7	19.1
19/07/2015	21.1	2.1	23.2	24/06/2015	20.7	4.6	25.3
5/07/2015	20.9	4.2	25.1	24/04/2015	4.1	4.4	8.5
24/06/2015	20.7	4.6	25.3	6/04/2015	3.5	4.4	7.9
19/08/2015	20.5	0.8	21.3	5/04/2015	3.2	4.3	7.5

Table F-12: Scenario 1 – Receptor location 120c

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.7	32.9				
21/07/2015	27.3	1.5	28.8				
22/07/2015	26.7	2.4	29.1				
30/06/2015	24.5	2.7	27.2	28/05/2015	ND	6.5	6.5
28/06/2015	23.6	1.9	25.5	27/05/2015	ND	6.1	6.1
6/06/2015	23.2	2.8	26.0	1/07/2015	16.4	5.5	21.9
9/08/2015	22.9	0.9	23.8	11/07/2015	12.2	5.1	17.3

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
22/06/2015	22.0	2.9	24.9	19/06/2015	13.1	5.0	18.1
10/03/2015	21.6	0.2	21.8	5/06/2015	20.2	5.0	25.2
29/07/2015	21.5	1.7	23.2	23/07/2015	21.3	5.0	26.3
23/07/2015	21.3	5.0	26.3	23/04/2015	4.5	4.7	9.2
8/07/2015	21.2	1.6	22.8	20/06/2015	14.4	4.7	19.1
8/08/2015	21.2	2.3	23.5	24/06/2015	20.7	4.7	25.4
19/07/2015	21.1	2.1	23.2	14/01/2015	4.7	4.6	9.3
5/07/2015	20.9	4.1	25.0	6/04/2015	3.5	4.3	7.8
24/06/2015	20.7	4.7	25.4	5/04/2015	3.2	4.3	7.5
19/08/2015	20.5	0.7	21.2	24/04/2015	4.1	4.3	8.4

Table F-13: Scenario 1 – Receptor location 121

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.8	33.0				
21/07/2015	27.3	1.6	28.9				
22/07/2015	26.7	2.5	29.2				
30/06/2015	24.5	2.9	27.4	28/05/2015	ND	6.8	6.8
28/06/2015	23.6	2.0	25.6	27/05/2015	ND	6.4	6.4
6/06/2015	23.2	3.0	26.2	1/07/2015	16.4	5.7	22.1
9/08/2015	22.9	0.9	23.8	11/07/2015	12.2	5.3	17.5
22/06/2015	22	3.2	25.2	19/06/2015	13.1	5.2	18.3
10/03/2015	21.6	0.2	21.8	5/06/2015	20.2	5.2	25.4
29/07/2015	21.5	1.8	23.3	23/07/2015	21.3	5.2	26.5
23/07/2015	21.3	5.2	26.5	24/06/2015	20.7	4.9	25.6
8/07/2015	21.2	1.7	22.9	20/06/2015	14.4	4.9	19.3
8/08/2015	21.2	2.4	23.6	23/04/2015	4.5	4.9	9.4
19/07/2015	21.1	2.2	23.3	14/01/2015	4.7	4.7	9.4
5/07/2015	20.9	4.3	25.2	6/04/2015	3.5	4.5	8.0
24/06/2015	20.7	4.9	25.6	15/07/2015	18.2	4.4	22.6
19/08/2015	20.5	0.8	21.3	23/06/2015	18.4	4.4	22.8

Table F-14: Scenario 1 – Receptor location 136

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.2	31.4				
21/07/2015	27.3	0.4	27.7				
22/07/2015	26.7	1.8	28.5				
30/06/2015	24.5	0.9	25.4	18/08/2015	11.3	3.7	15.0
28/06/2015	23.6	0.2	23.8	5/04/2015	3.2	3.6	6.8
6/06/2015	23.2	1.3	24.5	9/06/2015	11	3.5	14.5
9/08/2015	22.9	0.4	23.3	1/06/2015	12.8	3.5	16.3
22/06/2015	22	0.4	22.4	4/09/2015	10.7	3.3	14.0
10/03/2015	21.6	0.3	21.9	16/07/2015	6.2	3.1	9.3
29/07/2015	21.5	0.2	21.7	1/11/2015	9.5	2.8	12.3
23/07/2015	21.3	1.5	22.8	31/01/2015	6.8	2.7	9.5
8/07/2015	21.2	1.1	22.3	19/06/2015	13.1	2.7	15.8
8/08/2015	21.2	0.2	21.4	5/03/2015	11.4	2.6	14.0

Table F-15: Scenario 1 – Receptor location 140a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.1	31.3				
21/07/2015	27.3	0.3	27.6				
22/07/2015	26.7	0.9	27.6				
30/06/2015	24.5	0.6	25.1	1/06/2015	12.8	2.2	15.0
28/06/2015	23.6	0.1	23.7	5/04/2015	3.2	1.8	5.0
6/06/2015	23.2	0.6	23.8	7/11/2015	5.4	1.8	7.2
9/08/2015	22.9	0.2	23.1	19/03/2015	8.5	1.7	10.2
22/06/2015	22	0.3	22.3	12/03/2015	14.2	1.6	15.8
10/03/2015	21.6	0.2	21.8	13/05/2015	6.6	1.6	8.2
29/07/2015	21.5	0.1	21.6	19/06/2015	13.1	1.6	14.7
23/07/2015	21.3	0.3	21.6	5/03/2015	11.4	1.6	13.0
8/07/2015	21.2	0.8	22.0	4/09/2015	10.7	1.6	12.3
8/08/2015	21.2	0.1	21.3	27/05/2015	ND	1.6	1.6

Table F-16: Scenario 1 – Receptor location 143a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.2	31.4				
21/07/2015	27.3	0.6	27.9				
22/07/2015	26.7	2.1	28.8				
30/06/2015	24.5	1.2	25.7	16/06/2015	14.9	3.3	18.2
28/06/2015	23.6	0.3	23.9	21/04/2015	1.8	2.8	4.6
6/06/2015	23.2	0.4	23.6	18/09/2015	6.3	2.7	9.0
9/08/2015	22.9	0.4	23.3	3/07/2015	20.2	2.6	22.8
22/06/2015	22	0.5	22.5	9/01/2015	6.4	2.6	9.0
10/03/2015	21.6	0.6	22.2	31/10/2015	7.3	2.5	9.8
29/07/2015	21.5	0.2	21.7	27/02/2015	8	2.4	10.4
23/07/2015	21.3	0.1	21.4	1/11/2015	9.5	2.4	11.9
8/07/2015	21.2	1.9	23.1	25/06/2015	9.1	2.2	11.3
8/08/2015	21.2	0.1	21.3	23/05/2015	9.1	2.2	11.3

Table F-17: Scenario 1 – Receptor location 147

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.9	32.1				
21/07/2015	27.3	1.9	29.2				
22/07/2015	26.7	5.6	32.3				
30/06/2015	24.5	3.1	27.6	23/05/2015	9.1	7.0	16.1
28/06/2015	23.6	0.9	24.5	16/06/2015	14.9	6.0	20.9
6/06/2015	23.2	0.6	23.8	19/09/2015	5.6	5.6	11.2
9/08/2015	22.9	0.8	23.7	22/07/2015	26.7	5.6	32.3
22/06/2015	22	1.0	23.0	27/02/2015	8	5.1	13.1
10/03/2015	21.6	1.7	23.3	31/10/2015	7.3	4.8	12.1
29/07/2015	21.5	0.5	22.0	8/07/2015	21.2	4.5	25.7
23/07/2015	21.3	0.1	21.4	10/01/2015	7	4.4	11.4
8/07/2015	21.2	4.5	25.7	4/01/2015	6.7	4.2	10.9
8/08/2015	21.2	0.1	21.3	26/05/2015	18.5	4.0	22.5

Table F-18: Scenario 1 – Receptor location 153a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.4	32.6				
21/07/2015	27.3	0.3	27.6				
22/07/2015	26.7	0.3	27.0				
30/06/2015	24.5	1.1	25.6	4/04/2015	2.7	2.8	5.5
28/06/2015	23.6	0.9	24.5	13/01/2015	3.9	2.2	6.1
6/06/2015	23.2	1.0	24.2	1/05/2015	4.4	2.0	6.4
9/08/2015	22.9	0.8	23.7	4/05/2015	6.1	1.9	8.0
22/06/2015	22	1.2	23.2	1/04/2015	4.4	1.9	6.3
10/03/2015	21.6	1.1	22.7	19/07/2015	21.1	1.8	22.9
29/07/2015	21.5	0.5	22.0	5/02/2015	5.5	1.8	7.3
23/07/2015	21.3	0.1	21.4	23/10/2015	3.6	1.8	5.4
8/07/2015	21.2	1.7	22.9	16/03/2015	5.9	1.8	7.7
8/08/2015	21.2	0.3	21.5	22/03/2015	4.1	1.7	5.8

Table F-19: Scenario 1 – Receptor location 257

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.7	31.9				
21/07/2015	27.3	0.5	27.8				
22/07/2015	26.7	0.5	27.2				
30/06/2015	24.5	0.4	24.9	9/01/2015	6.4	1.2	7.6
28/06/2015	23.6	0.2	23.8	16/06/2015	14.9	0.9	15.8
6/06/2015	23.2	0.3	23.5	15/04/2015	10.6	0.7	11.3
9/08/2015	22.9	0.3	23.2	13/06/2015	13.6	0.7	14.3
22/06/2015	22	0.5	22.5	14/06/2015	31.2	0.7	31.9
10/03/2015	21.6	0.0	21.6	13/09/2015	9.1	0.7	9.8
29/07/2015	21.5	0.2	21.7	27/05/2015	ND	0.7	0.7
23/07/2015	21.3	0.4	21.7	15/06/2015	12.9	0.7	13.6
8/07/2015	21.2	0.3	21.5	4/09/2015	10.7	0.7	11.4
8/08/2015	21.2	0.1	21.3	14/09/2015	11.6	0.6	12.2

Table F-20: Scenario 1 – Receptor location 258a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.6	31.8				
21/07/2015	27.3	0.4	27.7				
22/07/2015	26.7	0.4	27.1				
30/06/2015	24.5	0.3	24.8	9/01/2015	6.4	1.4	7.8
28/06/2015	23.6	0.2	23.8	16/06/2015	14.9	0.8	15.7
6/06/2015	23.2	0.2	23.4	15/04/2015	10.6	0.6	11.2
9/08/2015	22.9	0.3	23.2	13/06/2015	13.6	0.6	14.2
22/06/2015	22	0.4	22.4	27/05/2015	ND	0.6	0.6
10/03/2015	21.6	0.0	21.6	15/06/2015	12.9	0.6	13.5
29/07/2015	21.5	0.1	21.6	13/09/2015	9.1	0.6	9.7
23/07/2015	21.3	0.3	21.6	4/09/2015	10.7	0.6	11.3
8/07/2015	21.2	0.2	21.4	14/06/2015	31.2	0.6	31.8
8/08/2015	21.2	0.0	21.2	25/05/2015	19.6	0.5	20.1

Table F-21: Scenario 1 – Receptor location 272

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.2	31.4				
21/07/2015	27.3	0.1	27.4				
22/07/2015	26.7	0.1	26.8				
30/06/2015	24.5	0.1	24.6	3/12/2015	4.8	0.5	5.3
28/06/2015	23.6	0.1	23.7	20/06/2015	14.4	0.5	14.9
6/06/2015	23.2	0.1	23.3	18/10/2015	11.8	0.5	12.3
9/08/2015	22.9	0.1	23.0	23/12/2015	3.1	0.5	3.6
22/06/2015	22	0.2	22.2	19/07/2015	21.1	0.5	21.6
10/03/2015	21.6	0.2	21.8	5/02/2015	5.5	0.4	5.9
29/07/2015	21.5	0.1	21.6	22/12/2015	3.3	0.4	3.7
23/07/2015	21.3	0.0	21.3	24/12/2015	4.1	0.4	4.5
8/07/2015	21.2	0.3	21.5	16/03/2015	5.9	0.4	6.3
8/08/2015	21.2	0.1	21.3	2/03/2015	5.8	0.4	6.2

Table F-22: Scenario 2 – Receptor location 21

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.9	33.1				
21/07/2015	27.3	2.1	29.4				
22/07/2015	26.7	2.0	28.7				
30/06/2015	24.5	2.8	27.3	30/05/2015	7	6.0	13.0
28/06/2015	23.6	3.1	26.7	4/06/2015	20.2	5.3	25.5
6/06/2015	23.2	1.8	25.0	27/06/2015	14.3	5.3	19.6
9/08/2015	22.9	1.7	24.6	28/05/2015	ND	5.0	5.0
22/06/2015	22	3.0	25.0	28/07/2015	10.9	4.8	15.7
10/03/2015	21.6	0.1	21.7	29/05/2015	9.1	4.7	13.8
29/07/2015	21.5	2.6	24.1	24/04/2015	4.1	4.7	8.8
23/07/2015	21.3	4.1	25.4	12/05/2015	ND	4.5	4.5
8/07/2015	21.2	1.1	22.3	20/05/2015	4.2	4.5	8.7
8/08/2015	21.2	2.0	23.2	5/06/2015	20.2	4.4	24.6
19/07/2015	21.1	0.6	21.7	5/07/2015	20.9	4.4	25.3
5/07/2015	20.9	4.4	25.3	7/06/2015	14.7	4.3	19.0
24/06/2015	20.7	2.5	23.2	11/07/2015	12.2	4.2	16.4

Table F-23: Scenario 2 – Receptor location 35b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.2	32.4				
21/07/2015	27.3	1.5	28.8				
22/07/2015	26.7	1.5	28.2				
30/06/2015	24.5	2.0	26.5	1/07/2015	16.4	4.7	21.1
28/06/2015	23.6	1.6	25.2	24/04/2015	4.1	4.1	8.2
6/06/2015	23.2	1.5	24.7	27/03/2015	2.3	3.7	6.0
9/08/2015	22.9	0.9	23.8	28/05/2015	ND	3.6	3.6
22/06/2015	22	1.7	23.7	19/06/2015	13.1	3.3	16.4
10/03/2015	21.6	0.1	21.7	30/05/2015	7	3.3	10.3
29/07/2015	21.5	1.4	22.9	6/04/2015	3.5	3.3	6.8
23/07/2015	21.3	3.3	24.6	23/07/2015	21.3	3.3	24.6
8/07/2015	21.2	1.2	22.4	25/08/2015	3.6	3.3	6.9
8/08/2015	21.2	1.3	22.5	27/05/2015	ND	3.2	3.2

Table F-24: Scenario 2 – Receptor location 43

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.6	31.8				
21/07/2015	27.3	0.5	27.8				
22/07/2015	26.7	0.6	27.3				
30/06/2015	24.5	0.6	25.1	15/04/2015	10.6	1.5	12.1
28/06/2015	23.6	0.3	23.9	16/06/2015	14.9	1.4	16.3
6/06/2015	23.2	0.4	23.6	13/06/2015	13.6	1.1	14.7
9/08/2015	22.9	0.3	23.2	20/06/2015	14.4	1.1	15.5
22/06/2015	22	0.7	22.7	27/05/2015	ND	1.0	1.0
10/03/2015	21.6	0.1	21.7	4/09/2015	10.7	1.0	11.7
29/07/2015	21.5	0.2	21.7	15/06/2015	12.9	1.0	13.9
23/07/2015	21.3	0.5	21.8	13/09/2015	9.1	1.0	10.1
8/07/2015	21.2	0.7	21.9	19/07/2015	21.1	1.0	22.1
8/08/2015	21.2	0.1	21.3	3/01/2015	6.6	0.9	7.5

Table F-25: Scenario 2 – Receptor location 43b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.5	31.7				
21/07/2015	27.3	0.3	27.6				
22/07/2015	26.7	0.4	27.1				
30/06/2015	24.5	0.3	24.8	16/06/2015	14.9	0.9	15.8
28/06/2015	23.6	0.2	23.8	15/04/2015	10.6	0.8	11.4
6/06/2015	23.2	0.2	23.4	27/05/2015	ND	0.7	0.7
9/08/2015	22.9	0.2	23.1	13/06/2015	13.6	0.7	14.3
22/06/2015	22	0.4	22.4	15/06/2015	12.9	0.7	13.6
10/03/2015	21.6	0.1	21.7	4/09/2015	10.7	0.6	11.3
29/07/2015	21.5	0.1	21.6	20/06/2015	14.4	0.6	15.0
23/07/2015	21.3	0.3	21.6	13/09/2015	9.1	0.6	9.7
8/07/2015	21.2	0.4	21.6	9/01/2015	6.4	0.5	6.9
8/08/2015	21.2	0.0	21.2	19/07/2015	21.1	0.5	21.6

Table F-26: Scenario 2 – Receptor location 47

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.3	31.5				
21/07/2015	27.3	0.3	27.6				
22/07/2015	26.7	0.3	27.0				
30/06/2015	24.5	0.2	24.7	16/06/2015	14.9	0.7	15.6
28/06/2015	23.6	0.2	23.8	20/06/2015	14.4	0.6	15.0
6/06/2015	23.2	0.2	23.4	13/06/2015	13.6	0.6	14.2
9/08/2015	22.9	0.2	23.1	27/05/2015	ND	0.6	0.6
22/06/2015	22	0.3	22.3	15/06/2015	12.9	0.5	13.4
10/03/2015	21.6	0.1	21.7	19/10/2015	8.4	0.5	8.9
29/07/2015	21.5	0.1	21.6	3/01/2015	6.6	0.5	7.1
23/07/2015	21.3	0.2	21.5	19/07/2015	21.1	0.5	21.6
8/07/2015	21.2	0.4	21.6	4/09/2015	10.7	0.5	11.2
8/08/2015	21.2	0.0	21.2	13/09/2015	9.1	0.5	9.6

Table F-27: Scenario 2 – Receptor location 67

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.4	32.6				
21/07/2015	27.3	1.6	28.9				
22/07/2015	26.7	1.8	28.5				
30/06/2015	24.5	2.2	26.7	1/07/2015	16.4	5.0	21.4
28/06/2015	23.6	1.7	25.3	24/04/2015	4.1	4.1	8.2
6/06/2015	23.2	1.8	25.0	28/05/2015	ND	4.0	4.0
9/08/2015	22.9	1.0	23.9	19/06/2015	13.1	4.0	17.1
22/06/2015	22	1.9	23.9	27/05/2015	ND	3.8	3.8
10/03/2015	21.6	0.1	21.7	23/07/2015	21.3	3.7	25.0
29/07/2015	21.5	1.4	22.9	14/01/2015	4.7	3.7	8.4
23/07/2015	21.3	3.7	25.0	16/04/2015	8.3	3.6	11.9
8/07/2015	21.2	1.3	22.5	5/06/2015	20.2	3.6	23.8
8/08/2015	21.2	1.4	22.6	25/08/2015	3.6	3.6	7.2

Table F-28: Scenario 2 – Receptor location 102

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.2	33.4				
21/07/2015	27.3	1.7	29.0				
22/07/2015	26.7	2.6	29.3				
30/06/2015	24.5	3.1	27.6	1/07/2015	16.4	6.0	22.4
28/06/2015	23.6	2.4	26.0	27/05/2015	ND	6.0	6.0
6/06/2015	23.2	2.7	25.9	28/05/2015	ND	5.7	5.7
9/08/2015	22.9	1.6	24.5	19/06/2015	13.1	5.4	18.5
22/06/2015	22.0	3.1	25.1	23/07/2015	21.3	5.0	26.3
10/03/2015	21.6	0.2	21.8	5/06/2015	20.2	4.9	25.1
29/07/2015	21.5	2.0	23.5	11/07/2015	12.2	4.9	17.1
23/07/2015	21.3	5.0	26.3	23/04/2015	4.5	4.8	9.3
8/07/2015	21.2	1.6	22.8	15/07/2015	18.2	4.7	22.9
8/08/2015	21.2	1.9	23.1	14/01/2015	4.7	4.6	9.3
19/07/2015	21.1	1.8	22.9	20/06/2015	14.4	4.4	18.8
5/07/2015	20.9	4.4	25.3	5/07/2015	20.9	4.4	25.3
24/06/2015	20.7	4.1	24.8	6/04/2015	3.5	4.2	7.7

Table F-29: Scenario 2 – Receptor location 108

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.6	33.8				
21/07/2015	27.3	1.9	29.2				
22/07/2015	26.7	2.8	29.5				
30/06/2015	24.5	3.4	27.9	27/05/2015	ND	6.6	6.6
28/06/2015	23.6	2.6	26.2	1/07/2015	16.4	6.4	22.8
6/06/2015	23.2	3.0	26.2	28/05/2015	ND	6.2	6.2
9/08/2015	22.9	1.7	24.6	19/06/2015	13.1	5.8	18.9
22/06/2015	22.0	3.5	25.5	23/07/2015	21.3	5.5	26.8
10/03/2015	21.6	0.2	21.8	11/07/2015	12.2	5.3	17.5
29/07/2015	21.5	2.1	23.6	5/06/2015	20.2	5.2	25.4
23/07/2015	21.3	5.5	26.8	23/04/2015	4.5	5.2	9.7
8/07/2015	21.2	1.7	22.9	15/07/2015	18.2	5.1	23.3
8/08/2015	21.2	2.0	23.2	14/01/2015	4.7	4.8	9.5
19/07/2015	21.1	1.9	23.0	20/06/2015	14.4	4.8	19.2
5/07/2015	20.9	4.7	25.6	5/07/2015	20.9	4.7	25.6
24/06/2015	20.7	4.5	25.2	25/05/2015	19.6	4.7	24.3
19/08/2015	20.5	1.7	22.2	6/04/2015	3.5	4.5	8.0
21/08/2015	20.5	2.6	23.1	24/06/2015	20.7	4.5	25.2

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
4/06/2015	20.2	2.5	22.7	30/08/2015	11.6	4.5	16.1

Table F-30: Scenario 2 – Receptor location 112

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	3.1	34.3				
21/07/2015	27.3	2.2	29.5				
22/07/2015	26.7	3.2	29.9				
30/06/2015	24.5	3.8	28.3	27/05/2015	ND	7.2	7.2
28/06/2015	23.6	2.8	26.4	1/07/2015	16.4	7.0	23.4
6/06/2015	23.2	3.3	26.5	28/05/2015	ND	6.9	6.9
9/08/2015	22.9	1.9	24.8	19/06/2015	13.1	6.4	19.5
22/06/2015	22	4.0	26.0	23/07/2015	21.3	6.1	27.4
10/03/2015	21.6	0.3	21.9	11/07/2015	12.2	5.9	18.1
29/07/2015	21.5	2.4	23.9	5/06/2015	20.2	5.7	25.9
23/07/2015	21.3	6.1	27.4	23/04/2015	4.5	5.6	10.1
8/07/2015	21.2	1.9	23.1	15/07/2015	18.2	5.5	23.7
8/08/2015	21.2	2.1	23.3	25/05/2015	19.6	5.4	25.0
19/07/2015	21.1	2.1	23.2	20/06/2015	14.4	5.3	19.7
5/07/2015	20.9	5.2	26.1	5/07/2015	20.9	5.2	26.1
24/06/2015	20.7	5.0	25.7	14/01/2015	4.7	5.1	9.8
19/08/2015	20.5	1.9	22.4	6/04/2015	3.5	5.1	8.6
21/08/2015	20.5	3.1	23.6	24/06/2015	20.7	5.0	25.7
4/06/2015	20.2	2.7	22.9	30/08/2015	11.6	4.9	16.5
5/06/2015	20.2	5.7	25.9	7/06/2015	14.7	4.7	19.4

Table F-31: Scenario 2 – Receptor location 118

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	3.0	34.2				
21/07/2015	27.3	2.1	29.4				
22/07/2015	26.7	3.2	29.9				
30/06/2015	24.5	3.8	28.3	27/05/2015	ND	7.4	7.4

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
28/06/2015	23.6	2.9	26.5	1/07/2015	16.4	7.0	23.4
6/06/2015	23.2	3.4	26.6	28/05/2015	ND	6.8	6.8
9/08/2015	22.9	2.0	24.9	19/06/2015	13.1	6.3	19.4
22/06/2015	22	4.0	26.0	23/07/2015	21.3	6.1	27.4
10/03/2015	21.6	0.3	21.9	11/07/2015	12.2	5.8	18.0
29/07/2015	21.5	2.4	23.9	23/04/2015	4.5	5.7	10.2
23/07/2015	21.3	6.1	27.4	5/06/2015	20.2	5.6	25.8
8/07/2015	21.2	1.9	23.1	15/07/2015	18.2	5.5	23.7
8/08/2015	21.2	2.2	23.4	25/05/2015	19.6	5.3	24.9
19/07/2015	21.1	2.1	23.2	20/06/2015	14.4	5.2	19.6
5/07/2015	20.9	5.0	25.9	14/01/2015	4.7	5.1	9.8
24/06/2015	20.7	4.9	25.6	5/07/2015	20.9	5.0	25.9
19/08/2015	20.5	1.9	22.4	24/06/2015	20.7	4.9	25.6
21/08/2015	20.5	3.0	23.5	30/08/2015	11.6	4.7	16.3
4/06/2015	20.2	2.6	22.8	6/04/2015	3.5	4.7	8.2

Table F-32: Scenario 2 – Receptor location 120

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.9	34.1				
21/07/2015	27.3	2.0	29.3				
22/07/2015	26.7	3.1	29.8				
30/06/2015	24.5	3.8	28.3	27/05/2015	ND	7.4	7.4
28/06/2015	23.6	2.8	26.4	1/07/2015	16.4	6.9	23.3
6/06/2015	23.2	3.4	26.6	28/05/2015	ND	6.7	6.7
9/08/2015	22.9	1.9	24.8	19/06/2015	13.1	6.2	19.3
22/06/2015	22.0	3.9	25.9	23/07/2015	21.3	6.0	27.3
10/03/2015	21.6	0.3	21.9	23/04/2015	4.5	5.7	10.2
29/07/2015	21.5	2.3	23.8	11/07/2015	12.2	5.7	17.9
23/07/2015	21.3	6.0	27.3	5/06/2015	20.2	5.5	25.7
8/07/2015	21.2	1.8	23.0	15/07/2015	18.2	5.4	23.6
8/08/2015	21.2	2.3	23.5	20/06/2015	14.4	5.2	19.6
19/07/2015	21.1	2.1	23.2	25/05/2015	19.6	5.2	24.8
5/07/2015	20.9	4.9	25.8	14/01/2015	4.7	5.1	9.8
24/06/2015	20.7	4.8	25.5	5/07/2015	20.9	4.9	25.8
19/08/2015	20.5	1.9	22.4	24/06/2015	20.7	4.8	25.5
21/08/2015	20.5	2.9	23.4	30/08/2015	11.6	4.5	16.1
4/06/2015	20.2	2.6	22.8	30/05/2015	7.0	4.4	11.4

Table F-33: Scenario 2 – Receptor location 120c

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	3.0	34.2				
21/07/2015	27.3	2.1	29.4				
22/07/2015	26.7	3.2	29.9				
30/06/2015	24.5	3.9	28.4	27/05/2015	ND	7.6	7.6
28/06/2015	23.6	2.9	26.5	1/07/2015	16.4	7.1	23.5
6/06/2015	23.2	3.5	26.7	28/05/2015	ND	6.8	6.8
9/08/2015	22.9	2.0	24.9	19/06/2015	13.1	6.4	19.5
22/06/2015	22.0	4.0	26.0	23/07/2015	21.3	6.1	27.4
10/03/2015	21.6	0.3	21.9	23/04/2015	4.5	5.8	10.3
29/07/2015	21.5	2.4	23.9	11/07/2015	12.2	5.8	18.0
23/07/2015	21.3	6.1	27.4	5/06/2015	20.2	5.6	25.8
8/07/2015	21.2	1.9	23.1	15/07/2015	18.2	5.5	23.7
8/08/2015	21.2	2.3	23.5	25/05/2015	19.6	5.3	24.9
19/07/2015	21.1	2.1	23.2	20/06/2015	14.4	5.3	19.7
5/07/2015	20.9	5.0	25.9	14/01/2015	4.7	5.1	9.8
24/06/2015	20.7	4.9	25.6	5/07/2015	20.9	5.0	25.9
19/08/2015	20.5	1.9	22.4	24/06/2015	20.7	4.9	25.6
21/08/2015	20.5	3.0	23.5	30/08/2015	11.6	4.6	16.2
4/06/2015	20.2	2.6	22.8	30/05/2015	7.0	4.5	11.5

Table F-34: Scenario 2 – Receptor location 121

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	3.2	34.4				
21/07/2015	27.3	2.2	29.5				
22/07/2015	26.7	3.3	30.0				
30/06/2015	24.5	4.1	28.6	27/05/2015	ND	7.9	7.9
28/06/2015	23.6	3.1	26.7	1/07/2015	16.4	7.3	23.7
6/06/2015	23.2	3.7	26.9	28/05/2015	ND	7.0	7.0
9/08/2015	22.9	2.1	25.0	19/06/2015	13.1	6.6	19.7
22/06/2015	22	4.2	26.2	23/07/2015	21.3	6.4	27.7
10/03/2015	21.6	0.3	21.9	23/04/2015	4.5	6.1	10.6
29/07/2015	21.5	2.5	24.0	11/07/2015	12.2	6.0	18.2
23/07/2015	21.3	6.4	27.7	15/07/2015	18.2	5.7	23.9
8/07/2015	21.2	1.9	23.1	5/06/2015	20.2	5.7	25.9
8/08/2015	21.2	2.4	23.6	25/05/2015	19.6	5.6	25.2
19/07/2015	21.1	2.2	23.3	20/06/2015	14.4	5.5	19.9
5/07/2015	20.9	5.1	26.0	14/01/2015	4.7	5.3	10.0

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
24/06/2015	20.7	5.1	25.8	5/07/2015	20.9	5.1	26.0
19/08/2015	20.5	2.0	22.5	24/06/2015	20.7	5.1	25.8
21/08/2015	20.5	3.1	23.6	30/08/2015	11.6	4.8	16.4
4/06/2015	20.2	2.7	22.9	7/06/2015	14.7	4.6	19.3

Table F-35: Scenario 2 – Receptor location 136

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.9	32.1				
21/07/2015	27.3	0.6	27.9				
22/07/2015	26.7	2.8	29.5				
30/06/2015	24.5	2.1	26.6	4/09/2015	10.7	5.4	16.1
28/06/2015	23.6	1.1	24.7	20/06/2015	14.4	5.2	19.6
6/06/2015	23.2	2.2	25.4	27/05/2015	ND	5.0	5.0
9/08/2015	22.9	0.8	23.7	18/08/2015	11.3	4.8	16.1
22/06/2015	22	2.2	24.2	16/07/2015	6.2	4.7	10.9
10/03/2015	21.6	0.3	21.9	5/04/2015	3.2	4.5	7.7
29/07/2015	21.5	0.9	22.4	19/06/2015	13.1	4.3	17.4
23/07/2015	21.3	3.7	25.0	1/06/2015	12.8	4.2	17.0
8/07/2015	21.2	1.4	22.6	31/01/2015	6.8	4.0	10.8
8/08/2015	21.2	0.9	22.1	9/06/2015	11	3.9	14.9

Table F-36: Scenario 2 – Receptor location 140a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.3	31.5				
21/07/2015	27.3	0.3	27.6				
22/07/2015	26.7	1.3	28.0				
30/06/2015	24.5	0.7	25.2	1/06/2015	12.8	2.7	15.5
28/06/2015	23.6	0.2	23.8	4/09/2015	10.7	2.6	13.3
6/06/2015	23.2	1.0	24.2	31/01/2015	6.8	2.4	9.2
9/08/2015	22.9	0.2	23.1	5/04/2015	3.2	2.4	5.6
22/06/2015	22	0.5	22.5	16/07/2015	6.2	2.3	8.5
10/03/2015	21.6	0.2	21.8	19/03/2015	8.5	2.3	10.8

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
29/07/2015	21.5	0.2	21.7	27/05/2015	ND	2.3	2.3
23/07/2015	21.3	1.1	22.4	19/06/2015	13.1	2.3	15.4
8/07/2015	21.2	0.8	22.0	12/03/2015	14.2	2.2	16.4
8/08/2015	21.2	0.4	21.6	18/08/2015	11.3	2.2	13.5

Table F-37: Scenario 2 – Receptor location 143a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.2	31.4				
21/07/2015	27.3	0.6	27.9				
22/07/2015	26.7	2.5	29.2				
30/06/2015	24.5	1.2	25.7	16/06/2015	14.9	4.1	19.0
28/06/2015	23.6	0.3	23.9	21/04/2015	1.8	3.4	5.2
6/06/2015	23.2	0.6	23.8	9/01/2015	6.4	3.3	9.7
9/08/2015	22.9	0.4	23.3	1/11/2015	9.5	3.2	12.7
22/06/2015	22	0.5	22.5	31/10/2015	7.3	3.2	10.5
10/03/2015	21.6	0.7	22.3	18/09/2015	6.3	3.2	9.5
29/07/2015	21.5	0.2	21.7	3/07/2015	20.2	3.0	23.2
23/07/2015	21.3	0.1	21.4	25/06/2015	9.1	2.7	11.8
8/07/2015	21.2	2.1	23.3	19/10/2015	8.4	2.6	11.0
8/08/2015	21.2	0.1	21.3	27/02/2015	8	2.6	10.6

Table F-38: Scenario 2 – Receptor location 147

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.1	32.3				
21/07/2015	27.3	2.7	30.0				
22/07/2015	26.7	7.4	34.1				
30/06/2015	24.5	3.7	28.2	23/05/2015	9.1	9.1	18.2
28/06/2015	23.6	0.9	24.5	16/06/2015	14.9	8.2	23.1
6/06/2015	23.2	0.8	24.0	22/07/2015	26.7	7.4	34.1
9/08/2015	22.9	1.1	24.0	19/09/2015	5.6	7.1	12.7
22/06/2015	22	1.1	23.1	31/10/2015	7.3	6.9	14.2
10/03/2015	21.6	1.9	23.5	27/02/2015	8	6.8	14.8

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
29/07/2015	21.5	0.7	22.2	8/07/2015	21.2	6.3	27.5
23/07/2015	21.3	0.1	21.4	10/01/2015	7	6.1	13.1
8/07/2015	21.2	6.3	27.5	4/01/2015	6.7	5.8	12.5
8/08/2015	21.2	0.1	21.3	9/01/2015	6.4	5.0	11.4
19/07/2015	21.1	4.2	25.3	26/05/2015	18.5	4.9	23.4
5/07/2015	20.9	0.4	21.3	16/09/2015	7.1	4.9	12.0
24/06/2015	20.7	3.3	24.0	3/07/2015	20.2	4.9	25.1
19/08/2015	20.5	2.1	22.6	18/09/2015	6.3	4.7	11.0
21/08/2015	20.5	0.0	20.5	6/09/2015	12	4.7	16.7
4/06/2015	20.2	0.0	20.2	2/04/2015	4.4	4.6	9.0

Table F-39: Scenario 2 – Receptor location 153a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.5	32.7				
21/07/2015	27.3	0.4	27.7				
22/07/2015	26.7	0.4	27.1				
30/06/2015	24.5	1.3	25.8	4/04/2015	2.7	3.7	6.4
28/06/2015	23.6	1.0	24.6	1/05/2015	4.4	2.6	7.0
6/06/2015	23.2	1.1	24.3	13/01/2015	3.9	2.5	6.4
9/08/2015	22.9	1.0	23.9	19/07/2015	21.1	2.4	23.5
22/06/2015	22	1.5	23.5	4/05/2015	6.1	2.4	8.5
10/03/2015	21.6	1.4	23.0	14/03/2015	5.5	2.3	7.8
29/07/2015	21.5	0.6	22.1	22/03/2015	4.1	2.3	6.4
23/07/2015	21.3	0.1	21.4	23/10/2015	3.6	2.2	5.8
8/07/2015	21.2	2.2	23.4	1/04/2015	4.4	2.2	6.6
8/08/2015	21.2	0.4	21.6	5/02/2015	5.5	2.2	7.7

Table F-40: Scenario 2 – Receptor location 257

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.8	32.0				
21/07/2015	27.3	0.6	27.9				
22/07/2015	26.7	0.6	27.3				
30/06/2015	24.5	0.4	24.9	9/01/2015	6.4	1.4	7.8

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
28/06/2015	23.6	0.2	23.8	16/06/2015	14.9	1.1	16.0
6/06/2015	23.2	0.3	23.5	27/05/2015	ND	0.8	0.8
9/08/2015	22.9	0.4	23.3	15/04/2015	10.6	0.8	11.4
22/06/2015	22	0.5	22.5	13/06/2015	13.6	0.8	14.4
10/03/2015	21.6	0.0	21.6	14/06/2015	31.2	0.8	32.0
29/07/2015	21.5	0.2	21.7	15/06/2015	12.9	0.8	13.7
23/07/2015	21.3	0.5	21.8	13/09/2015	9.1	0.8	9.9
8/07/2015	21.2	0.2	21.4	4/09/2015	10.7	0.7	11.4
8/08/2015	21.2	0.1	21.3	25/05/2015	19.6	0.7	20.3

Table F-41: Scenario 2 – Receptor location 258a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.7	31.9				
21/07/2015	27.3	0.5	27.8				
22/07/2015	26.7	0.5	27.2				
30/06/2015	24.5	0.4	24.9	9/01/2015	6.4	1.6	8.0
28/06/2015	23.6	0.2	23.8	16/06/2015	14.9	1.0	15.9
6/06/2015	23.2	0.3	23.5	27/05/2015	ND	0.7	0.7
9/08/2015	22.9	0.3	23.2	15/04/2015	10.6	0.7	11.3
22/06/2015	22	0.5	22.5	13/06/2015	13.6	0.7	14.3
10/03/2015	21.6	0.0	21.6	15/06/2015	12.9	0.7	13.6
29/07/2015	21.5	0.2	21.7	14/06/2015	31.2	0.7	31.9
23/07/2015	21.3	0.4	21.7	4/09/2015	10.7	0.7	11.4
8/07/2015	21.2	0.2	21.4	13/09/2015	9.1	0.7	9.8
8/08/2015	21.2	0.1	21.3	25/05/2015	19.6	0.6	20.2

Table F-42: Scenario 2 – Receptor location 272

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.3	31.5				
21/07/2015	27.3	0.1	27.4				
22/07/2015	26.7	0.1	26.8				
30/06/2015	24.5	0.1	24.6	3/12/2015	4.8	0.6	5.4
28/06/2015	23.6	0.1	23.7	20/06/2015	14.4	0.5	14.9
6/06/2015	23.2	0.1	23.3	23/12/2015	3.1	0.5	3.6
9/08/2015	22.9	0.1	23.0	19/07/2015	21.1	0.5	21.6
22/06/2015	22	0.2	22.2	2/03/2015	5.8	0.5	6.3
10/03/2015	21.6	0.2	21.8	6/01/2015	5.4	0.5	5.9
29/07/2015	21.5	0.1	21.6	21/03/2015	5.4	0.4	5.8
23/07/2015	21.3	0.1	21.4	10/02/2015	6.7	0.4	7.1
8/07/2015	21.2	0.3	21.5	5/02/2015	5.5	0.4	5.9
8/08/2015	21.2	0.1	21.3	1/01/2015	8.2	0.4	8.6

Table F-43: Scenario 3 – Receptor location 21

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.9	33.1				
21/07/2015	27.3	2.5	29.8				
22/07/2015	26.7	2.0	28.7				
30/06/2015	24.5	2.8	27.3	30/05/2015	7	5.6	12.6
28/06/2015	23.6	2.9	26.5	24/04/2015	4.1	5.3	9.4
6/06/2015	23.2	1.8	25.0	4/06/2015	20.2	5.0	25.2
9/08/2015	22.9	1.5	24.4	27/06/2015	14.3	4.9	19.2
22/06/2015	22	2.8	24.8	28/05/2015	ND	4.8	4.8
10/03/2015	21.6	0.1	21.7	28/07/2015	10.9	4.6	15.5
29/07/2015	21.5	2.5	24.0	5/06/2015	20.2	4.5	24.7
23/07/2015	21.3	4.3	25.6	18/06/2015	8	4.5	12.5
8/07/2015	21.2	1.2	22.4	20/05/2015	4.2	4.4	8.6
8/08/2015	21.2	1.9	23.1	7/06/2015	14.7	4.4	19.1
19/07/2015	21.1	0.6	21.7	29/05/2015	9.1	4.4	13.5
5/07/2015	20.9	4.3	25.2	23/07/2015	21.3	4.3	25.6
24/06/2015	20.7	2.6	23.3	5/07/2015	20.9	4.3	25.2

Table F-44: Scenario 3 – Receptor location 35b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.2	32.4				
21/07/2015	27.3	1.6	28.9				
22/07/2015	26.7	1.6	28.3				
30/06/2015	24.5	2.0	26.5	1/01/2015	8.2	0.1	8.3
28/06/2015	23.6	1.5	25.1	2/01/2015	4.8	1.0	5.8
6/06/2015	23.2	1.5	24.7	3/01/2015	6.6	0.3	6.9
9/08/2015	22.9	0.9	23.8	4/01/2015	6.7	1.4	8.1
22/06/2015	22	1.6	23.6	5/01/2015	6.5	0.0	6.5
10/03/2015	21.6	0.1	21.7	6/01/2015	5.4	0.0	5.4
29/07/2015	21.5	1.3	22.8	7/01/2015	3.5	0.0	3.5
23/07/2015	21.3	3.4	24.7	8/01/2015	5.3	0.8	6.1
8/07/2015	21.2	1.3	22.5	9/01/2015	6.4	1.1	7.5
8/08/2015	21.2	1.2	22.4	10/01/2015	7	0.3	7.3

Table F-45: Scenario 3 – Receptor location 43

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.8	32.0				
21/07/2015	27.3	0.6	27.9				
22/07/2015	26.7	0.7	27.4				
30/06/2015	24.5	0.7	25.2	15/04/2015	10.6	1.5	12.1
28/06/2015	23.6	0.3	23.9	16/06/2015	14.9	1.4	16.3
6/06/2015	23.2	0.4	23.6	20/06/2015	14.4	1.3	15.7
9/08/2015	22.9	0.4	23.3	27/05/2015	ND	1.2	1.2
22/06/2015	22	0.7	22.7	13/06/2015	13.6	1.1	14.7
10/03/2015	21.6	0.1	21.7	4/09/2015	10.7	1.1	11.8
29/07/2015	21.5	0.2	21.7	13/09/2015	9.1	1.1	10.2
23/07/2015	21.3	0.6	21.9	19/07/2015	21.1	1.0	22.1
8/07/2015	21.2	0.8	22.0	9/01/2015	6.4	1.0	7.4
8/08/2015	21.2	0.1	21.3	24/06/2015	20.7	0.9	21.6

Table F-46: Scenario 3 – Receptor location 43b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.6	31.8				
21/07/2015	27.3	0.4	27.7				
22/07/2015	26.7	0.5	27.2				
30/06/2015	24.5	0.4	24.9	16/06/2015	14.9	0.9	15.8
28/06/2015	23.6	0.2	23.8	15/04/2015	10.6	0.9	11.5
6/06/2015	23.2	0.2	23.4	27/05/2015	ND	0.8	0.8
9/08/2015	22.9	0.2	23.1	13/06/2015	13.6	0.7	14.3
22/06/2015	22	0.4	22.4	20/06/2015	14.4	0.7	15.1
10/03/2015	21.6	0.1	21.7	4/09/2015	10.7	0.7	11.4
29/07/2015	21.5	0.1	21.6	15/06/2015	12.9	0.6	13.5
23/07/2015	21.3	0.4	21.7	13/09/2015	9.1	0.6	9.7
8/07/2015	21.2	0.4	21.6	14/06/2015	31.2	0.6	31.8
8/08/2015	21.2	0.1	21.3	9/01/2015	6.4	0.5	6.9

Table F-47: Scenario 3 – Receptor location 47

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.4	31.6				
21/07/2015	27.3	0.3	27.6				
22/07/2015	26.7	0.3	27.0				
30/06/2015	24.5	0.3	24.8	20/06/2015	14.4	0.7	15.1
28/06/2015	23.6	0.1	23.7	16/06/2015	14.9	0.7	15.6
6/06/2015	23.2	0.2	23.4	27/05/2015	ND	0.6	0.6
9/08/2015	22.9	0.2	23.1	13/06/2015	13.6	0.6	14.2
22/06/2015	22	0.3	22.3	19/10/2015	8.4	0.6	9.0
10/03/2015	21.6	0.1	21.7	27/09/2015	7.3	0.6	7.9
29/07/2015	21.5	0.1	21.6	19/07/2015	21.1	0.5	21.6
23/07/2015	21.3	0.3	21.6	3/01/2015	6.6	0.5	7.1
8/07/2015	21.2	0.4	21.6	4/09/2015	10.7	0.5	11.2
8/08/2015	21.2	0.0	21.2	8/01/2015	5.3	0.5	5.8

Table F-48: Scenario 3 – Receptor location 67

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.3	32.5				
21/07/2015	27.3	1.6	28.9				
22/07/2015	26.7	1.8	28.5				
30/06/2015	24.5	2.2	26.7	1/07/2015	16.4	5.1	21.5
28/06/2015	23.6	1.6	25.2	19/06/2015	13.1	4.0	17.1
6/06/2015	23.2	1.8	25.0	23/07/2015	21.3	3.8	25.1
9/08/2015	22.9	1.0	23.9	27/05/2015	ND	3.8	3.8
22/06/2015	22	1.8	23.8	14/01/2015	4.7	3.7	8.4
10/03/2015	21.6	0.1	21.7	28/05/2015	ND	3.5	3.5
29/07/2015	21.5	1.4	22.9	27/03/2015	2.3	3.5	5.8
23/07/2015	21.3	3.8	25.1	30/05/2015	7	3.4	10.4
8/07/2015	21.2	1.4	22.6	20/06/2015	14.4	3.4	17.8
8/08/2015	21.2	1.2	22.4	31/05/2015	5.8	3.4	9.2

Table F-49: Scenario 3 – Receptor location 102

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.1	33.3				
21/07/2015	27.3	1.8	29.1				
22/07/2015	26.7	2.6	29.3				
30/06/2015	24.5	3.3	27.8	27/05/2015	ND	5.8	5.8
28/06/2015	23.6	2.2	25.8	1/07/2015	16.4	5.6	22.0
6/06/2015	23.2	2.8	26.0	19/06/2015	13.1	5.3	18.4
9/08/2015	22.9	1.6	24.5	23/07/2015	21.3	5.2	26.5
22/06/2015	22.0	3.3	25.3	28/05/2015	ND	5.1	5.1
10/03/2015	21.6	0.3	21.9	23/04/2015	4.5	4.9	9.4
29/07/2015	21.5	2.3	23.8	20/06/2015	14.4	4.8	19.2
23/07/2015	21.3	5.2	26.5	5/06/2015	20.2	4.6	24.8
8/07/2015	21.2	1.7	22.9	11/07/2015	12.2	4.4	16.6
8/08/2015	21.2	1.4	22.6	25/05/2015	19.6	4.3	23.9
19/07/2015	21.1	1.7	22.8	15/07/2015	18.2	4.2	22.4
5/07/2015	20.9	4.0	24.9	14/01/2015	4.7	4.1	8.8
24/06/2015	20.7	3.6	24.3	30/05/2015	7.0	4.0	11.0

Table F-50: Scenario 3 – Receptor location 108

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.5	33.7				
21/07/2015	27.3	2.0	29.3				
22/07/2015	26.7	2.8	29.5				
30/06/2015	24.5	3.6	28.1	27/05/2015	ND	6.4	6.4
28/06/2015	23.6	2.5	26.1	1/07/2015	16.4	5.9	22.3
6/06/2015	23.2	3.0	26.2	19/06/2015	13.1	5.8	18.9
9/08/2015	22.9	1.8	24.7	23/07/2015	21.3	5.7	27.0
22/06/2015	22.0	3.7	25.7	28/05/2015	ND	5.5	5.5
10/03/2015	21.6	0.3	21.9	23/04/2015	4.5	5.3	9.8
29/07/2015	21.5	2.5	24.0	20/06/2015	14.4	5.1	19.5
23/07/2015	21.3	5.7	27.0	25/05/2015	19.6	5.0	24.6
8/07/2015	21.2	1.8	23.0	5/06/2015	20.2	4.9	25.1
8/08/2015	21.2	1.5	22.7	11/07/2015	12.2	4.8	17.0
19/07/2015	21.1	1.9	23.0	15/07/2015	18.2	4.5	22.7
5/07/2015	20.9	4.2	25.1	14/01/2015	4.7	4.3	9.0
24/06/2015	20.7	3.9	24.6	30/05/2015	7.0	4.3	11.3
19/08/2015	20.5	1.8	22.3	5/07/2015	20.9	4.2	25.1

Table F-51: Scenario 3 – Receptor location 112

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.9	34.1				
21/07/2015	27.3	2.3	29.6				
22/07/2015	26.7	3.2	29.9				
30/06/2015	24.5	4.0	28.5	27/05/2015	ND	7.1	7.1
28/06/2015	23.6	2.7	26.3	1/07/2015	16.4	6.4	22.8
6/06/2015	23.2	3.4	26.6	19/06/2015	13.1	6.4	19.5
9/08/2015	22.9	2.0	24.9	23/07/2015	21.3	6.3	27.6
22/06/2015	22	4.1	26.1	28/05/2015	ND	5.9	5.9
10/03/2015	21.6	0.3	21.9	23/04/2015	4.5	5.8	10.3
29/07/2015	21.5	2.7	24.2	25/05/2015	19.6	5.7	25.3
23/07/2015	21.3	6.3	27.6	20/06/2015	14.4	5.5	19.9
8/07/2015	21.2	2.0	23.2	11/07/2015	12.2	5.3	17.5
8/08/2015	21.2	1.5	22.7	5/06/2015	20.2	5.1	25.3
19/07/2015	21.1	2.1	23.2	15/07/2015	18.2	4.9	23.1
5/07/2015	20.9	4.6	25.5	30/05/2015	7	4.7	11.7
24/06/2015	20.7	4.3	25.0	14/01/2015	4.7	4.7	9.4
19/08/2015	20.5	2.0	22.5	5/07/2015	20.9	4.6	25.5

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
21/08/2015	20.5	3.1	23.6	30/08/2015	11.6	4.5	16.1

Table F-52: Scenario 3 – Receptor location 118

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.9	34.1				
21/07/2015	27.3	2.3	29.6				
22/07/2015	26.7	3.2	29.9				
30/06/2015	24.5	4.1	28.6	27/05/2015	ND	7.2	7.2
28/06/2015	23.6	2.8	26.4	1/07/2015	16.4	6.3	22.7
6/06/2015	23.2	3.4	26.6	19/06/2015	13.1	6.3	19.4
9/08/2015	22.9	2.0	24.9	23/07/2015	21.3	6.3	27.6
22/06/2015	22	4.3	26.3	28/05/2015	ND	6.0	6.0
10/03/2015	21.6	0.3	21.9	23/04/2015	4.5	5.8	10.3
29/07/2015	21.5	2.8	24.3	25/05/2015	19.6	5.7	25.3
23/07/2015	21.3	6.3	27.6	20/06/2015	14.4	5.6	20.0
8/07/2015	21.2	1.9	23.1	5/06/2015	20.2	5.3	25.5
8/08/2015	21.2	1.6	22.8	11/07/2015	12.2	5.2	17.4
19/07/2015	21.1	2.1	23.2	15/07/2015	18.2	4.9	23.1
5/07/2015	20.9	4.5	25.4	30/05/2015	7	4.6	11.6
24/06/2015	20.7	4.3	25.0	5/07/2015	20.9	4.5	25.4
19/08/2015	20.5	2.0	22.5	14/01/2015	4.7	4.4	9.1

Table F-53: Scenario 3 – Receptor location 120

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.8	34.0				
21/07/2015	27.3	2.3	29.6				
22/07/2015	26.7	3.1	29.8				
30/06/2015	24.5	4.1	28.6	27/05/2015	ND	7.2	7.2
28/06/2015	23.6	2.8	26.4	1/07/2015	16.4	6.2	22.6
6/06/2015	23.2	3.4	26.6	19/06/2015	13.1	6.2	19.3
9/08/2015	22.9	2.0	24.9	23/07/2015	21.3	6.1	27.4
22/06/2015	22.0	4.2	26.2	28/05/2015	ND	6.0	6.0

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
10/03/2015	21.6	0.3	21.9	20/06/2015	14.4	5.7	20.1
29/07/2015	21.5	2.7	24.2	23/04/2015	4.5	5.6	10.1
23/07/2015	21.3	6.1	27.4	25/05/2015	19.6	5.5	25.1
8/07/2015	21.2	1.9	23.1	5/06/2015	20.2	5.3	25.5
8/08/2015	21.2	1.6	22.8	11/07/2015	12.2	5.1	17.3
19/07/2015	21.1	2.0	23.1	15/07/2015	18.2	4.8	23.0
5/07/2015	20.9	4.4	25.3	30/05/2015	7.0	4.5	11.5
24/06/2015	20.7	4.2	24.9	27/06/2015	14.3	4.4	18.7
19/08/2015	20.5	2.0	22.5	5/07/2015	20.9	4.4	25.3

Table F-54: Scenario 3 – Receptor location 120c

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	3.0	34.2				
21/07/2015	27.3	2.3	29.6				
22/07/2015	26.7	3.2	29.9				
30/06/2015	24.5	4.3	28.8	27/05/2015	ND	7.4	7.4
28/06/2015	23.6	2.8	26.4	1/07/2015	16.4	6.3	22.7
6/06/2015	23.2	3.5	26.7	23/07/2015	21.3	6.3	27.6
9/08/2015	22.9	2.1	25.0	19/06/2015	13.1	6.3	19.4
22/06/2015	22.0	4.4	26.4	28/05/2015	ND	6.1	6.1
10/03/2015	21.6	0.3	21.9	20/06/2015	14.4	5.8	20.2
29/07/2015	21.5	2.8	24.3	23/04/2015	4.5	5.8	10.3
23/07/2015	21.3	6.3	27.6	25/05/2015	19.6	5.7	25.3
8/07/2015	21.2	1.9	23.1	5/06/2015	20.2	5.4	25.6
8/08/2015	21.2	1.6	22.8	11/07/2015	12.2	5.2	17.4
19/07/2015	21.1	2.1	23.2	15/07/2015	18.2	4.9	23.1
5/07/2015	20.9	4.4	25.3	30/05/2015	7.0	4.6	11.6
24/06/2015	20.7	4.3	25.0	27/06/2015	14.3	4.5	18.8
19/08/2015	20.5	2.0	22.5	5/07/2015	20.9	4.4	25.3

Table F-55: Scenario 3 – Receptor location 121

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	3.2	34.4				
21/07/2015	27.3	2.5	29.8				
22/07/2015	26.7	3.3	30.0				
30/06/2015	24.5	4.5	29.0	27/05/2015	ND	7.7	7.7
28/06/2015	23.6	3.0	26.6	23/07/2015	21.3	6.6	27.9
6/06/2015	23.2	3.7	26.9	19/06/2015	13.1	6.5	19.6
9/08/2015	22.9	2.2	25.1	1/07/2015	16.4	6.5	22.9
22/06/2015	22	4.6	26.6	28/05/2015	ND	6.4	6.4
10/03/2015	21.6	0.4	22.0	25/05/2015	19.6	6.0	25.6
29/07/2015	21.5	2.9	24.4	20/06/2015	14.4	6.0	20.4
23/07/2015	21.3	6.6	27.9	23/04/2015	4.5	6.0	10.5
8/07/2015	21.2	1.9	23.1	5/06/2015	20.2	5.6	25.8
8/08/2015	21.2	1.7	22.9	11/07/2015	12.2	5.4	17.6
19/07/2015	21.1	2.2	23.3	15/07/2015	18.2	5.1	23.3
5/07/2015	20.9	4.6	25.5	30/05/2015	7	4.7	11.7
24/06/2015	20.7	4.5	25.2	27/06/2015	14.3	4.6	18.9
19/08/2015	20.5	2.2	22.7	22/06/2015	22	4.6	26.6
21/08/2015	20.5	3.3	23.8	5/07/2015	20.9	4.6	25.5
4/06/2015	20.2	2.9	23.1	30/08/2015	11.6	4.5	16.1

Table F-56: Scenario 3 – Receptor location 136

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.1	32.3				
21/07/2015	27.3	0.6	27.9				
22/07/2015	26.7	2.7	29.4				
30/06/2015	24.5	2.3	26.8	20/06/2015	14.4	5.9	20.3
28/06/2015	23.6	1.2	24.8	4/09/2015	10.7	5.5	16.2
6/06/2015	23.2	2.3	25.5	27/05/2015	ND	5.3	5.3
9/08/2015	22.9	0.8	23.7	16/07/2015	6.2	5.1	11.3
22/06/2015	22	2.6	24.6	23/07/2015	21.3	4.6	25.9
10/03/2015	21.6	0.3	21.9	5/04/2015	3.2	4.3	7.5
29/07/2015	21.5	1.0	22.5	19/06/2015	13.1	4.3	17.4
23/07/2015	21.3	4.6	25.9	18/08/2015	11.3	4.2	15.5
8/07/2015	21.2	1.4	22.6	1/07/2015	16.4	4.2	20.6
8/08/2015	21.2	1.1	22.3	23/04/2015	4.5	3.9	8.4

Table F-57: Scenario 3 – Receptor location 140a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.4	31.6				
21/07/2015	27.3	0.3	27.6				
22/07/2015	26.7	1.4	28.1				
30/06/2015	24.5	0.8	25.3	16/07/2015	6.2	3.0	9.2
28/06/2015	23.6	0.2	23.8	4/09/2015	10.7	2.8	13.5
6/06/2015	23.2	1.1	24.3	18/08/2015	11.3	2.7	14.0
9/08/2015	22.9	0.2	23.1	31/01/2015	6.8	2.7	9.5
22/06/2015	22	0.7	22.7	20/06/2015	14.4	2.6	17.0
10/03/2015	21.6	0.2	21.8	5/04/2015	3.2	2.6	5.8
29/07/2015	21.5	0.1	21.6	27/05/2015	ND	2.4	2.4
23/07/2015	21.3	1.7	23.0	1/06/2015	12.8	2.3	15.1
8/07/2015	21.2	0.8	22.0	19/06/2015	13.1	2.3	15.4
8/08/2015	21.2	0.5	21.7	9/06/2015	11	2.3	13.3

Table F-58: Scenario 3 – Receptor location 143a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.2	31.4				
21/07/2015	27.3	0.5	27.8				
22/07/2015	26.7	2.0	28.7				
30/06/2015	24.5	1.2	25.7	16/06/2015	14.9	4.9	19.8
28/06/2015	23.6	0.2	23.8	18/09/2015	6.3	4.6	10.9
6/06/2015	23.2	0.6	23.8	1/11/2015	9.5	4.3	13.8
9/08/2015	22.9	0.4	23.3	5/04/2015	3.2	4.0	7.2
22/06/2015	22	0.4	22.4	31/10/2015	7.3	3.8	11.1
10/03/2015	21.6	0.6	22.2	9/01/2015	6.4	3.7	10.1
29/07/2015	21.5	0.2	21.7	27/05/2015	ND	3.2	3.2
23/07/2015	21.3	0.2	21.5	3/07/2015	20.2	3.0	23.2
8/07/2015	21.2	1.9	23.1	30/01/2015	4.9	2.9	7.8
8/08/2015	21.2	0.1	21.3	19/06/2015	13.1	2.8	15.9

Table F-59: Scenario 3 – Receptor location 147

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.7	31.9				
21/07/2015	27.3	2.1	29.4				
22/07/2015	26.7	6.8	33.5				
30/06/2015	24.5	4.1	28.6	16/06/2015	14.9	13.0	27.9
28/06/2015	23.6	0.7	24.3	23/05/2015	9.1	10.8	19.9
6/06/2015	23.2	0.8	24.0	19/09/2015	5.6	8.5	14.1
9/08/2015	22.9	1.4	24.3	31/10/2015	7.3	8.1	15.4
22/06/2015	22	1.0	23.0	27/02/2015	8	7.7	15.7
10/03/2015	21.6	1.5	23.1	1/11/2015	9.5	7.6	17.1
29/07/2015	21.5	0.6	22.1	9/01/2015	6.4	7.4	13.8
23/07/2015	21.3	0.1	21.4	8/07/2015	21.2	7.4	28.6
8/07/2015	21.2	7.4	28.6	18/09/2015	6.3	6.8	13.1
8/08/2015	21.2	0.1	21.3	22/07/2015	26.7	6.8	33.5
19/07/2015	21.1	5.9	27.0	4/01/2015	6.7	6.7	13.4
5/07/2015	20.9	1.1	22.0	26/05/2015	18.5	6.4	24.9
24/06/2015	20.7	3.5	24.2	19/07/2015	21.1	5.9	27.0
19/08/2015	20.5	1.9	22.4	10/01/2015	7	5.6	12.6
21/08/2015	20.5	0.0	20.5	3/07/2015	20.2	5.5	25.7
4/06/2015	20.2	0.0	20.2	17/11/2015	4.4	5.2	9.6
5/06/2015	20.2	0.5	20.7	19/10/2015	8.4	5.0	13.4

Table F-60: Scenario 3 – Receptor location 153a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.6	32.8				
21/07/2015	27.3	0.5	27.8				
22/07/2015	26.7	0.4	27.1				
30/06/2015	24.5	1.4	25.9	4/04/2015	2.7	3.5	6.2
28/06/2015	23.6	1.1	24.7	13/01/2015	3.9	2.6	6.5
6/06/2015	23.2	1.2	24.4	4/05/2015	6.1	2.3	8.4
9/08/2015	22.9	1.0	23.9	1/05/2015	4.4	2.3	6.7
22/06/2015	22	1.6	23.6	19/07/2015	21.1	2.3	23.4
10/03/2015	21.6	1.4	23.0	17/05/2015	4.9	2.3	7.2
29/07/2015	21.5	0.6	22.1	5/02/2015	5.5	2.3	7.8
23/07/2015	21.3	0.1	21.4	1/04/2015	4.4	2.2	6.6
8/07/2015	21.2	2.1	23.3	14/03/2015	5.5	2.2	7.7
8/08/2015	21.2	0.4	21.6	22/03/2015	4.1	2.1	6.2

Table F-61: Scenario 3 – Receptor location 257

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.9	32.1				
21/07/2015	27.3	0.6	27.9				
22/07/2015	26.7	0.7	27.4				
30/06/2015	24.5	0.6	25.1	9/01/2015	6.4	1.5	7.9
28/06/2015	23.6	0.2	23.8	16/06/2015	14.9	1.1	16.0
6/06/2015	23.2	0.4	23.6	27/05/2015	ND	0.9	0.9
9/08/2015	22.9	0.4	23.3	14/06/2015	31.2	0.9	32.1
22/06/2015	22	0.6	22.6	15/04/2015	10.6	0.9	11.5
10/03/2015	21.6	0.0	21.6	13/09/2015	9.1	0.9	10.0
29/07/2015	21.5	0.2	21.7	13/06/2015	13.6	0.9	14.5
23/07/2015	21.3	0.6	21.9	25/05/2015	19.6	0.8	20.4
8/07/2015	21.2	0.3	21.5	15/06/2015	12.9	0.8	13.7
8/08/2015	21.2	0.1	21.3	4/09/2015	10.7	0.8	11.5

Table F-62: Scenario 3 – Receptor location 258a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.8	32.0				
21/07/2015	27.3	0.5	27.8				
22/07/2015	26.7	0.6	27.3				
30/06/2015	24.5	0.5	25.0	9/01/2015	6.4	1.7	8.1
28/06/2015	23.6	0.2	23.8	16/06/2015	14.9	1.0	15.9
6/06/2015	23.2	0.3	23.5	27/05/2015	ND	0.8	0.8
9/08/2015	22.9	0.3	23.2	15/04/2015	10.6	0.8	11.4
22/06/2015	22	0.5	22.5	14/06/2015	31.2	0.8	32.0
10/03/2015	21.6	0.0	21.6	13/06/2015	13.6	0.8	14.4
29/07/2015	21.5	0.2	21.7	13/09/2015	9.1	0.7	9.8
23/07/2015	21.3	0.5	21.8	25/05/2015	19.6	0.7	20.3
8/07/2015	21.2	0.2	21.4	15/06/2015	12.9	0.7	13.6
8/08/2015	21.2	0.1	21.3	4/09/2015	10.7	0.7	11.4

Table F-63: Scenario 3 – Receptor location 272

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.3	31.5				
21/07/2015	27.3	0.1	27.4				
22/07/2015	26.7	0.1	26.8				
30/06/2015	24.5	0.1	24.6	23/12/2015	3.1	0.6	3.7
28/06/2015	23.6	0.1	23.7	20/06/2015	14.4	0.6	15.0
6/06/2015	23.2	0.1	23.3	18/10/2015	11.8	0.6	12.4
9/08/2015	22.9	0.1	23.0	2/03/2015	5.8	0.6	6.4
22/06/2015	22	0.2	22.2	19/07/2015	21.1	0.6	21.7
10/03/2015	21.6	0.2	21.8	3/12/2015	4.8	0.6	5.4
29/07/2015	21.5	0.1	21.6	24/12/2015	4.1	0.6	4.7
23/07/2015	21.3	0.1	21.4	16/03/2015	5.9	0.5	6.4
8/07/2015	21.2	0.3	21.5	21/03/2015	5.4	0.5	5.9
8/08/2015	21.2	0.1	21.3	10/02/2015	6.7	0.5	7.2

Table F-64: Scenario 4 – Receptor location 21

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.4	33.6				
21/07/2015	27.3	2.3	29.6				
22/07/2015	26.7	2.4	29.1				
30/06/2015	24.5	3.2	27.7	30/05/2015	7	6.7	13.7
28/06/2015	23.6	3.5	27.1	27/06/2015	14.3	6.0	20.3
6/06/2015	23.2	2.1	25.3	28/05/2015		5.9	5.9
9/08/2015	22.9	2.0	24.9	4/06/2015	20.2	5.9	26.1
22/06/2015	22	3.5	25.5	28/07/2015	10.9	5.4	16.3
10/03/2015	21.6	0.1	21.7	24/04/2015	4.1	5.3	9.4
29/07/2015	21.5	3.0	24.5	29/05/2015	9.1	5.2	14.3
23/07/2015	21.3	5.1	26.4	25/05/2015	19.6	5.1	24.7
8/07/2015	21.2	1.1	22.3	23/07/2015	21.3	5.1	26.4
8/08/2015	21.2	2.3	23.5	5/07/2015	20.9	5.0	25.9
19/07/2015	21.1	0.5	21.6	7/06/2015	14.7	4.9	19.6
5/07/2015	20.9	5.0	25.9	12/05/2015		4.9	4.9
24/06/2015	20.7	3.0	23.7	5/06/2015	20.2	4.8	25.0
19/08/2015	20.5	1.6	22.1	3/06/2015	16.7	4.8	21.5
21/08/2015	20.5	3.1	23.6	27/05/2015		4.8	4.8
4/06/2015	20.2	5.9	26.1	20/05/2015	4.2	4.8	9.0

Table F-65: Scenario 4 – Receptor location 35b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.6	32.8				
21/07/2015	27.3	2.2	29.5				
22/07/2015	26.7	2.1	28.8				
30/06/2015	24.5	2.5	27.0	1/07/2015	16.4	5.1	21.5
28/06/2015	23.6	2.1	25.7	23/07/2015	21.3	4.5	25.8
6/06/2015	23.2	1.8	25.0	24/04/2015	4.1	4.5	8.6
9/08/2015	22.9	1.3	24.2	30/05/2015	7	4.4	11.4
22/06/2015	22	2.3	24.3	28/05/2015		4.3	4.3
10/03/2015	21.6	0.1	21.7	27/05/2015		4.2	4.2
29/07/2015	21.5	1.9	23.4	31/05/2015	5.8	4.0	9.8
23/07/2015	21.3	4.5	25.8	7/06/2015	14.7	4.0	18.7
8/07/2015	21.2	1.3	22.5	19/06/2015	13.1	3.9	17.0
8/08/2015	21.2	1.6	22.8	30/08/2015	11.6	3.9	15.5
19/07/2015	21.1	0.8	21.9	5/09/2015	9.1	3.9	13.0
5/07/2015	20.9	3.8	24.7	27/03/2015	2.3	3.8	6.1

Table F-66: Scenario 4 – Receptor location 43

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.1	32.3				
21/07/2015	27.3	0.8	28.1				
22/07/2015	26.7	0.9	27.6				
30/06/2015	24.5	0.8	25.3	15/04/2015	10.6	2.1	12.7
28/06/2015	23.6	0.4	24.0	16/06/2015	14.9	1.7	16.6
6/06/2015	23.2	0.5	23.7	20/06/2015	14.4	1.5	15.9
9/08/2015	22.9	0.5	23.4	13/06/2015	13.6	1.4	15.0
22/06/2015	22	0.8	22.8	27/05/2015		1.4	1.4
10/03/2015	21.6	0.2	21.8	4/09/2015	10.7	1.2	11.9
29/07/2015	21.5	0.3	21.8	13/09/2015	9.1	1.2	10.3
23/07/2015	21.3	0.8	22.1	18/05/2015	10.3	1.2	11.5
8/07/2015	21.2	0.8	22.0	15/06/2015	12.9	1.2	14.1
8/08/2015	21.2	0.1	21.3	9/01/2015	6.4	1.1	7.5

Table F-67: Scenario 4 – Receptor location 43b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.8	32.0				
21/07/2015	27.3	0.5	27.8				
22/07/2015	26.7	0.6	27.3				
30/06/2015	24.5	0.5	25.0	15/04/2015	10.6	1.2	11.8
28/06/2015	23.6	0.2	23.8	16/06/2015	14.9	1.1	16.0
6/06/2015	23.2	0.3	23.5	27/05/2015		0.9	0.9
9/08/2015	22.9	0.3	23.2	13/06/2015	13.6	0.9	14.5
22/06/2015	22	0.5	22.5	20/06/2015	14.4	0.8	15.2
10/03/2015	21.6	0.1	21.7	15/06/2015	12.9	0.8	13.7
29/07/2015	21.5	0.2	21.7	14/06/2015	31.2	0.8	32.0
23/07/2015	21.3	0.5	21.8	4/09/2015	10.7	0.8	11.5
8/07/2015	21.2	0.4	21.6	18/05/2015	10.3	0.7	11.0
8/08/2015	21.2	0.1	21.3	13/09/2015	9.1	0.7	9.8

Table F-68: Scenario 4 – Receptor location 47

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.5	31.7				
21/07/2015	27.3	0.4	27.7				
22/07/2015	26.7	0.4	27.1				
30/06/2015	24.5	0.3	24.8	16/06/2015	14.9	0.9	15.8
28/06/2015	23.6	0.2	23.8	20/06/2015	14.4	0.9	15.3
6/06/2015	23.2	0.2	23.4	27/05/2015		0.8	0.8
9/08/2015	22.9	0.2	23.1	15/04/2015	10.6	0.7	11.3
22/06/2015	22	0.4	22.4	13/06/2015	13.6	0.7	14.3
10/03/2015	21.6	0.1	21.7	19/10/2015	8.4	0.7	9.1
29/07/2015	21.5	0.2	21.7	15/06/2015	12.9	0.6	13.5
23/07/2015	21.3	0.3	21.6	4/09/2015	10.7	0.6	11.3
8/07/2015	21.2	0.4	21.6	18/05/2015	10.3	0.6	10.9
8/08/2015	21.2	0.1	21.3	12/06/2015	16.3	0.6	16.9

Table F-69: Scenario 4 – Receptor location 67

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.9	33.1				
21/07/2015	27.3	2.2	29.5				
22/07/2015	26.7	2.4	29.1				
30/06/2015	24.5	2.9	27.4	1/07/2015	16.4	6.2	22.6
28/06/2015	23.6	2.1	25.7	23/07/2015	21.3	5.2	26.5
6/06/2015	23.2	2.1	25.3	27/05/2015		5.0	5.0
9/08/2015	22.9	1.4	24.3	19/06/2015	13.1	4.8	17.9
22/06/2015	22	2.6	24.6	28/05/2015		4.8	4.8
10/03/2015	21.6	0.2	21.8	30/05/2015	7	4.6	11.6
29/07/2015	21.5	1.9	23.4	31/05/2015	5.8	4.4	10.2
23/07/2015	21.3	5.2	26.5	24/04/2015	4.1	4.4	8.5
8/07/2015	21.2	1.5	22.7	30/08/2015	11.6	4.4	16.0
8/08/2015	21.2	1.6	22.8	20/06/2015	14.4	4.3	18.7
19/07/2015	21.1	1.1	22.2	5/09/2015	9.1	4.3	13.4
5/07/2015	20.9	4.2	25.1	27/03/2015	2.3	4.3	6.6
24/06/2015	20.7	3.7	24.4	5/07/2015	20.9	4.2	25.1

Table F-70: Scenario 4 – Receptor location 102

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.9	34.1				
21/07/2015	27.3	2.5	29.8				
22/07/2015	26.7	3.4	30.1				
30/06/2015	24.5	4.3	28.8	1/07/2015	16.4	7.5	23.9
28/06/2015	23.6	2.8	26.4	27/05/2015	ND	7.5	7.5
6/06/2015	23.2	3.5	26.7	23/07/2015	21.3	7.0	28.3
9/08/2015	22.9	2.2	25.1	19/06/2015	13.1	6.7	19.8
22/06/2015	22.0	4.4	26.4	28/05/2015	ND	6.6	6.6
10/03/2015	21.6	0.3	21.9	23/04/2015	4.5	6.4	10.9
29/07/2015	21.5	2.8	24.3	20/06/2015	14.4	6.2	20.6
23/07/2015	21.3	7.0	28.3	25/05/2015	19.6	6.0	25.6
8/07/2015	21.2	1.8	23.0	5/06/2015	20.2	5.7	25.9
8/08/2015	21.2	1.7	22.9	11/07/2015	12.2	5.5	17.7
19/07/2015	21.1	1.8	22.9	30/05/2015	7.0	5.2	12.2
5/07/2015	20.9	5.1	26.0	5/09/2015	9.1	5.2	14.3
24/06/2015	20.7	4.6	25.3	15/07/2015	18.2	5.2	23.4
19/08/2015	20.5	2.3	22.8	30/08/2015	11.6	5.1	16.7
21/08/2015	20.5	3.2	23.7	5/07/2015	20.9	5.1	26.0

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
4/06/2015	20.2	3.2	23.4	14/01/2015	4.7	5.1	9.8
5/06/2015	20.2	5.7	25.9	16/04/2015	8.3	4.8	13.1
3/07/2015	20.2	2.9	23.1	27/03/2015	2.3	4.7	7.0

Table F-71: Scenario 4 – Receptor location 108

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	3.4	34.6				
21/07/2015	27.3	2.8	30.1				
22/07/2015	26.7	3.8	30.5				
30/06/2015	24.5	4.6	29.1	27/05/2015	ND	8.1	8.1
28/06/2015	23.6	3.1	26.7	1/07/2015	16.4	7.9	24.3
6/06/2015	23.2	3.8	27.0	23/07/2015	21.3	7.6	28.9
9/08/2015	22.9	2.4	25.3	19/06/2015	13.1	7.2	20.3
22/06/2015	22.0	4.9	26.9	28/05/2015	ND	7.0	7.0
10/03/2015	21.6	0.3	21.9	23/04/2015	4.5	6.9	11.4
29/07/2015	21.5	3.0	24.5	25/05/2015	19.6	6.8	26.4
23/07/2015	21.3	7.6	28.9	20/06/2015	14.4	6.6	21.0
8/07/2015	21.2	2.0	23.2	5/06/2015	20.2	6.0	26.2
8/08/2015	21.2	1.7	22.9	11/07/2015	12.2	5.9	18.1
19/07/2015	21.1	2.0	23.1	15/07/2015	18.2	5.6	23.8
5/07/2015	20.9	5.4	26.3	30/05/2015	7.0	5.5	12.5
24/06/2015	20.7	4.9	25.6	5/09/2015	9.1	5.5	14.6
19/08/2015	20.5	2.5	23.0	30/08/2015	11.6	5.5	17.1
21/08/2015	20.5	3.6	24.1	5/07/2015	20.9	5.4	26.3
4/06/2015	20.2	3.3	23.5	14/01/2015	4.7	5.3	10.0
5/06/2015	20.2	6.0	26.2	16/04/2015	8.3	5.0	13.3
3/07/2015	20.2	3.1	23.3	7/06/2015	14.7	5.0	19.7
29/06/2015	20.1	3.8	23.9	24/06/2015	20.7	4.9	25.6
25/05/2015	19.6	6.8	26.4	22/06/2015	22.0	4.9	26.9

Table F-72: Scenario 4 – Receptor location 112

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	4.0	35.2				
21/07/2015	27.3	3.1	30.4				
22/07/2015	26.7	4.1	30.8				
30/06/2015	24.5	5.0	29.5	27/05/2015	ND	8.8	8.8
28/06/2015	23.6	3.3	26.9	1/07/2015	16.4	8.5	24.9
6/06/2015	23.2	4.2	27.4	23/07/2015	21.3	8.3	29.6
9/08/2015	22.9	2.6	25.5	19/06/2015	13.1	7.9	21.0
22/06/2015	22	5.4	27.4	25/05/2015	19.6	7.6	27.2
10/03/2015	21.6	0.3	21.9	23/04/2015	4.5	7.6	12.1
29/07/2015	21.5	3.2	24.7	28/05/2015	ND	7.5	7.5
23/07/2015	21.3	8.3	29.6	20/06/2015	14.4	7.1	21.5
8/07/2015	21.2	2.1	23.3	11/07/2015	12.2	6.4	18.6
8/08/2015	21.2	1.8	23.0	5/06/2015	20.2	6.2	26.4
19/07/2015	21.1	2.2	23.3	15/07/2015	18.2	6.0	24.2
5/07/2015	20.9	5.8	26.7	30/08/2015	11.6	5.9	17.5
24/06/2015	20.7	5.3	26.0	30/05/2015	7	5.9	12.9
19/08/2015	20.5	2.6	23.1	5/07/2015	20.9	5.8	26.7
21/08/2015	20.5	4.1	24.6	5/09/2015	9.1	5.7	14.8
4/06/2015	20.2	3.4	23.6	14/01/2015	4.7	5.7	10.4
5/06/2015	20.2	6.2	26.4	7/06/2015	14.7	5.5	20.2
3/07/2015	20.2	3.3	23.5	22/06/2015	22	5.4	27.4
29/06/2015	20.1	4.2	24.3	16/04/2015	8.3	5.3	13.6
25/05/2015	19.6	7.6	27.2	24/06/2015	20.7	5.3	26.0

Table F-73: Scenario 4 – Receptor location 118

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	4.0	35.2				
21/07/2015	27.3	3.1	30.4				
22/07/2015	26.7	4.1	30.8				
30/06/2015	24.5	5.2	29.7	27/05/2015	ND	9.0	9.0
28/06/2015	23.6	3.4	27.0	1/07/2015	16.4	8.4	24.8
6/06/2015	23.2	4.3	27.5	23/07/2015	21.3	8.3	29.6
9/08/2015	22.9	2.7	25.6	19/06/2015	13.1	7.8	20.9
22/06/2015	22	5.6	27.6	25/05/2015	19.6	7.7	27.3
10/03/2015	21.6	0.3	21.9	28/05/2015	ND	7.6	7.6
29/07/2015	21.5	3.3	24.8	23/04/2015	4.5	7.5	12.0
23/07/2015	21.3	8.3	29.6	20/06/2015	14.4	7.2	21.6

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
8/07/2015	21.2	2.1	23.3	5/06/2015	20.2	6.4	26.6
8/08/2015	21.2	1.8	23.0	11/07/2015	12.2	6.3	18.5
19/07/2015	21.1	2.2	23.3	15/07/2015	18.2	6.0	24.2
5/07/2015	20.9	5.6	26.5	5/09/2015	9.1	5.9	15.0
24/06/2015	20.7	5.3	26.0	30/08/2015	11.6	5.8	17.4
19/08/2015	20.5	2.7	23.2	30/05/2015	7	5.7	12.7
21/08/2015	20.5	4.0	24.5	5/07/2015	20.9	5.6	26.5
4/06/2015	20.2	3.5	23.7	22/06/2015	22	5.6	27.6
5/06/2015	20.2	6.4	26.6	14/01/2015	4.7	5.5	10.2
3/07/2015	20.2	3.3	23.5	7/06/2015	14.7	5.5	20.2
29/06/2015	20.1	4.3	24.4	24/06/2015	20.7	5.3	26.0
25/05/2015	19.6	7.7	27.3	30/06/2015	24.5	5.2	29.7

Table F-74: Scenario 4 – Receptor location 120

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	3.9	35.1				
21/07/2015	27.3	3.1	30.4				
22/07/2015	26.7	4.1	30.8				
30/06/2015	24.5	5.3	29.8	27/05/2015	ND	9.1	9.1
28/06/2015	23.6	3.5	27.1	1/07/2015	16.4	8.3	24.7
6/06/2015	23.2	4.3	27.5	23/07/2015	21.3	8.2	29.5
9/08/2015	22.9	2.7	25.6	19/06/2015	13.1	7.8	20.9
22/06/2015	22.0	5.6	27.6	28/05/2015	ND	7.6	7.6
10/03/2015	21.6	0.3	21.9	25/05/2015	19.6	7.5	27.1
29/07/2015	21.5	3.3	24.8	23/04/2015	4.5	7.4	11.9
23/07/2015	21.3	8.2	29.5	20/06/2015	14.4	7.3	21.7
8/07/2015	21.2	2.0	23.2	5/06/2015	20.2	6.6	26.8
8/08/2015	21.2	1.9	23.1	11/07/2015	12.2	6.2	18.4
19/07/2015	21.1	2.2	23.3	15/07/2015	18.2	5.9	24.1
5/07/2015	20.9	5.5	26.4	5/09/2015	9.1	5.9	15.0
24/06/2015	20.7	5.3	26.0	30/08/2015	11.6	5.7	17.3
19/08/2015	20.5	2.8	23.3	30/05/2015	7.0	5.7	12.7
21/08/2015	20.5	3.9	24.4	22/06/2015	22.0	5.6	27.6
4/06/2015	20.2	3.5	23.7	5/07/2015	20.9	5.5	26.4
5/06/2015	20.2	6.6	26.8	7/06/2015	14.7	5.4	20.1
3/07/2015	20.2	3.4	23.6	14/01/2015	4.7	5.4	10.1
29/06/2015	20.1	4.3	24.4	27/06/2015	14.3	5.3	19.6
25/05/2015	19.6	7.5	27.1	30/06/2015	24.5	5.3	29.8

Table F-75: Scenario 4 – Receptor location 120c

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	4.1	35.3				
21/07/2015	27.3	3.2	30.5				
22/07/2015	26.7	4.2	30.9				
30/06/2015	24.5	5.4	29.9	27/05/2015	ND	9.3	9.3
28/06/2015	23.6	3.5	27.1	1/07/2015	16.4	8.5	24.9
6/06/2015	23.2	4.4	27.6	23/07/2015	21.3	8.4	29.7
9/08/2015	22.9	2.8	25.7	19/06/2015	13.1	7.9	21.0
22/06/2015	22.0	5.7	27.7	28/05/2015	ND	7.8	7.8
10/03/2015	21.6	0.4	22.0	25/05/2015	19.6	7.8	27.4
29/07/2015	21.5	3.4	24.9	23/04/2015	4.5	7.6	12.1
23/07/2015	21.3	8.4	29.7	20/06/2015	14.4	7.4	21.8
8/07/2015	21.2	2.1	23.3	5/06/2015	20.2	6.7	26.9
8/08/2015	21.2	1.9	23.1	11/07/2015	12.2	6.4	18.6
19/07/2015	21.1	2.2	23.3	15/07/2015	18.2	6.0	24.2
5/07/2015	20.9	5.6	26.5	5/09/2015	9.1	6.0	15.1
24/06/2015	20.7	5.4	26.1	30/08/2015	11.6	5.7	17.3
19/08/2015	20.5	2.8	23.3	22/06/2015	22.0	5.7	27.7
21/08/2015	20.5	4.1	24.6	30/05/2015	7.0	5.7	12.7
4/06/2015	20.2	3.5	23.7	5/07/2015	20.9	5.6	26.5
5/06/2015	20.2	6.7	26.9	7/06/2015	14.7	5.5	20.2
3/07/2015	20.2	3.4	23.6	14/01/2015	4.7	5.4	10.1
29/06/2015	20.1	4.5	24.6	30/06/2015	24.5	5.4	29.9
25/05/2015	19.6	7.8	27.4	24/06/2015	20.7	5.4	26.1
2/06/2015	19.6	5.1	24.7	27/06/2015	14.3	5.4	19.7
21/06/2015	19.6	2.9	22.5	2/06/2015	19.6	5.1	24.7

Table F-76: Scenario 4 – Receptor location 121

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	4.3	35.5				
21/07/2015	27.3	3.4	30.7				
22/07/2015	26.7	4.3	31.0				
30/06/2015	24.5	5.7	30.2	27/05/2015		9.6	9.6
28/06/2015	23.6	3.7	27.3	23/07/2015	21.3	8.7	30.0
6/06/2015	23.2	4.6	27.8	1/07/2015	16.4	8.7	25.1
9/08/2015	22.9	2.9	25.8	19/06/2015	13.1	8.2	21.3
22/06/2015	22	6.0	28.0	25/05/2015	19.6	8.1	27.7
10/03/2015	21.6	0.4	22.0	28/05/2015		8.0	8.0
29/07/2015	21.5	3.5	25.0	23/04/2015	4.5	7.8	12.3
23/07/2015	21.3	8.7	30.0	20/06/2015	14.4	7.6	22.0
8/07/2015	21.2	2.1	23.3	5/06/2015	20.2	6.8	27.0
8/08/2015	21.2	1.9	23.1	11/07/2015	12.2	6.6	18.8
19/07/2015	21.1	2.3	23.4	15/07/2015	18.2	6.2	24.4
5/07/2015	20.9	5.7	26.6	5/09/2015	9.1	6.1	15.2
24/06/2015	20.7	5.5	26.2	22/06/2015	22	6.0	28.0
19/08/2015	20.5	2.9	23.4	30/08/2015	11.6	5.9	17.5
21/08/2015	20.5	4.3	24.8	30/05/2015	7	5.8	12.8
4/06/2015	20.2	3.6	23.8	5/07/2015	20.9	5.7	26.6
5/06/2015	20.2	6.8	27.0	7/06/2015	14.7	5.7	20.4
3/07/2015	20.2	3.5	23.7	30/06/2015	24.5	5.7	30.2
29/06/2015	20.1	4.7	24.8	24/06/2015	20.7	5.5	26.2
25/05/2015	19.6	8.1	27.7	14/01/2015	4.7	5.5	10.2
2/06/2015	19.6	5.2	24.8	27/06/2015	14.3	5.5	19.8
21/06/2015	19.6	3.0	22.6	23/08/2015	8	5.2	13.2

Table F-77: Scenario 4 – Receptor location 136

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.9	33.1				
21/07/2015	27.3	0.9	28.2				
22/07/2015	26.7	3.6	30.3				
30/06/2015	24.5	3.7	28.2	20/06/2015	14.4	8.9	23.3
28/06/2015	23.6	2.0	25.6	27/05/2015		8.3	8.3
6/06/2015	23.2	3.3	26.5	4/09/2015	10.7	7.8	18.5
9/08/2015	22.9	1.2	24.1	23/07/2015	21.3	6.8	28.1
22/06/2015	22	4.5	26.5	1/07/2015	16.4	6.7	23.1
10/03/2015	21.6	0.4	22.0	16/07/2015	6.2	6.6	12.8

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
29/07/2015	21.5	1.8	23.3	19/06/2015	13.1	6.2	19.3
23/07/2015	21.3	6.8	28.1	15/07/2015	18.2	5.9	24.1
8/07/2015	21.2	1.8	23.0	23/04/2015	4.5	5.9	10.4
8/08/2015	21.2	1.9	23.1	18/08/2015	11.3	5.9	17.2
19/07/2015	21.1	2.9	24.0	5/06/2015	20.2	5.8	26.0
5/07/2015	20.9	3.0	23.9	5/04/2015	3.2	5.8	9.0
24/06/2015	20.7	5.2	25.9	31/01/2015	6.8	5.5	12.3
19/08/2015	20.5	1.1	21.6	24/06/2015	20.7	5.2	25.9
21/08/2015	20.5	2.2	22.7	11/07/2015	12.2	5.0	17.2
4/06/2015	20.2	1.9	22.1	31/05/2015	5.8	5.0	10.8
5/06/2015	20.2	5.8	26.0	2/06/2015	19.6	4.7	24.3

Table F-78: Scenario 4 – Receptor location 140a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.6	31.8				
21/07/2015	27.3	0.3	27.6				
22/07/2015	26.7	2.0	28.7				
30/06/2015	24.5	1.1	25.6	16/07/2015	6.2	4.4	10.6
28/06/2015	23.6	0.4	24.0	20/06/2015	14.4	4.2	18.6
6/06/2015	23.2	1.8	25.0	4/09/2015	10.7	4.2	14.9
9/08/2015	22.9	0.3	23.2	31/01/2015	6.8	3.9	10.7
22/06/2015	22	1.3	23.3	27/05/2015		3.8	3.8
10/03/2015	21.6	0.3	21.9	18/08/2015	11.3	3.6	14.9
29/07/2015	21.5	0.2	21.7	5/04/2015	3.2	3.5	6.7
23/07/2015	21.3	2.9	24.2	1/07/2015	16.4	3.4	19.8
8/07/2015	21.2	1.0	22.2	19/06/2015	13.1	3.4	16.5
8/08/2015	21.2	1.0	22.2	9/06/2015	11	3.2	14.2

Table F-79: Scenario 4 – Receptor location 143a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.2	31.4				
21/07/2015	27.3	0.7	28.0				
22/07/2015	26.7	2.7	29.4				
30/06/2015	24.5	1.5	26.0	16/06/2015	14.9	6.0	20.9
28/06/2015	23.6	0.3	23.9	5/04/2015	3.2	5.7	8.9
6/06/2015	23.2	0.9	24.1	18/09/2015	6.3	5.4	11.7
9/08/2015	22.9	0.5	23.4	1/11/2015	9.5	5.4	14.9
22/06/2015	22	0.6	22.6	31/10/2015	7.3	4.7	12.0
10/03/2015	21.6	0.7	22.3	9/01/2015	6.4	4.5	10.9
29/07/2015	21.5	0.2	21.7	27/05/2015		4.3	4.3
23/07/2015	21.3	0.5	21.8	16/07/2015	6.2	4.2	10.4
8/07/2015	21.2	2.2	23.4	4/09/2015	10.7	4.2	14.9
8/08/2015	21.2	0.1	21.3	30/01/2015	4.9	3.9	8.8

Table F-80: Scenario 4 – Receptor location 147

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.5	31.7				
21/07/2015	27.3	2.2	29.5				
22/07/2015	26.7	7.1	33.8				
30/06/2015	24.5	4.2	28.7	16/06/2015	14.9	16.2	31.1
28/06/2015	23.6	0.7	24.3	1/11/2015	9.5	11.2	20.7
6/06/2015	23.2	1.1	24.3	18/09/2015	6.3	10.4	16.7
9/08/2015	22.9	1.4	24.3	9/01/2015	6.4	10.3	16.7
22/06/2015	22	1.1	23.1	31/10/2015	7.3	10.3	17.6
10/03/2015	21.6	1.7	23.3	23/05/2015	9.1	9.6	18.7
29/07/2015	21.5	0.6	22.1	5/04/2015	3.2	8.5	11.7
23/07/2015	21.3	0.3	21.6	19/10/2015	8.4	8.4	16.8
8/07/2015	21.2	7.5	28.7	27/02/2015	8	8.0	16.0
8/08/2015	21.2	0.1	21.3	19/09/2015	5.6	7.9	13.5
19/07/2015	21.1	7.4	28.5	8/07/2015	21.2	7.5	28.7
5/07/2015	20.9	2.2	23.1	19/07/2015	21.1	7.4	28.5
24/06/2015	20.7	4.1	24.8	3/07/2015	20.2	7.4	27.6
19/08/2015	20.5	2.0	22.5	4/01/2015	6.7	7.1	13.8
21/08/2015	20.5	0.0	20.5	22/07/2015	26.7	7.1	33.8
4/06/2015	20.2	0.0	20.2	26/05/2015	18.5	6.6	25.1
5/06/2015	20.2	0.8	21.0	10/01/2015	7	6.5	13.5
3/07/2015	20.2	7.4	27.6	2/04/2015	4.4	6.2	10.6

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
29/06/2015	20.1	0.6	20.7	27/05/2015		6.0	6.0
25/05/2015	19.6	0.3	19.9	10/10/2015	11.6	6.0	17.6
2/06/2015	19.6	1.2	20.8	17/11/2015	4.4	5.9	10.3
21/06/2015	19.6	0.4	20.0	30/01/2015	4.9	5.8	10.7
4/07/2015	19.5	0.3	19.8	15/07/2015	18.2	5.8	24.0
24/05/2015	18.8	1.8	20.6	16/09/2015	7.1	5.7	12.8

Table F-81: Scenario 4 – Receptor location 153a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.2	33.4				
21/07/2015	27.3	0.7	28.0				
22/07/2015	26.7	0.5	27.2				
30/06/2015	24.5	1.9	26.4	4/04/2015	2.7	4.9	7.6
28/06/2015	23.6	1.5	25.1	19/07/2015	21.1	3.4	24.5
6/06/2015	23.2	1.6	24.8	14/03/2015	5.5	3.3	8.8
9/08/2015	22.9	1.4	24.3	13/01/2015	3.9	3.3	7.2
22/06/2015	22	2.5	24.5	4/05/2015	6.1	3.3	9.4
10/03/2015	21.6	1.8	23.4	5/02/2015	5.5	3.2	8.7
29/07/2015	21.5	0.9	22.4	1/05/2015	4.4	3.2	7.6
23/07/2015	21.3	0.1	21.4	17/05/2015	4.9	2.9	7.8
8/07/2015	21.2	2.8	24.0	25/02/2015	4.2	2.9	7.1
8/08/2015	21.2	0.6	21.8	1/04/2015	4.4	2.8	7.2

Table F-82: Scenario 4 – Receptor location 257

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.1	32.3				
21/07/2015	27.3	0.9	28.2				
22/07/2015	26.7	0.8	27.5				
30/06/2015	24.5	0.6	25.1	9/01/2015	6.4	1.6	8.0
28/06/2015	23.6	0.2	23.8	16/06/2015	14.9	1.4	16.3
6/06/2015	23.2	0.4	23.6	27/05/2015		1.1	1.1
9/08/2015	22.9	0.5	23.4	14/06/2015	31.2	1.1	32.3
22/06/2015	22	0.7	22.7	13/06/2015	13.6	1.1	14.7
10/03/2015	21.6	0.1	21.7	15/04/2015	10.6	1.1	11.7
29/07/2015	21.5	0.3	21.8	13/09/2015	9.1	1.0	10.1
23/07/2015	21.3	0.7	22.0	25/05/2015	19.6	1.0	20.6
8/07/2015	21.2	0.2	21.4	15/06/2015	12.9	0.9	13.8
8/08/2015	21.2	0.1	21.3	21/07/2015	27.3	0.9	28.2

Table F-83: Scenario 4 – Receptor location 258a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.0	32.2				
21/07/2015	27.3	0.7	28.0				
22/07/2015	26.7	0.7	27.4				
30/06/2015	24.5	0.5	25.0	9/01/2015	6.4	1.9	8.3
28/06/2015	23.6	0.2	23.8	16/06/2015	14.9	1.2	16.1
6/06/2015	23.2	0.3	23.5	27/05/2015		1.0	1.0
9/08/2015	22.9	0.4	23.3	15/04/2015	10.6	1.0	11.6
22/06/2015	22	0.6	22.6	14/06/2015	31.2	1.0	32.2
10/03/2015	21.6	0.1	21.7	13/06/2015	13.6	0.9	14.5
29/07/2015	21.5	0.2	21.7	13/09/2015	9.1	0.9	10.0
23/07/2015	21.3	0.6	21.9	25/05/2015	19.6	0.8	20.4
8/07/2015	21.2	0.2	21.4	15/06/2015	12.9	0.8	13.7
8/08/2015	21.2	0.1	21.3	4/09/2015	10.7	0.8	11.5

Table F-84: Scenario 4 – Receptor location 272

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.4	31.6				
21/07/2015	27.3	0.1	27.4				
22/07/2015	26.7	0.1	26.8				
30/06/2015	24.5	0.1	24.6	20/06/2015	14.4	0.7	15.1
28/06/2015	23.6	0.1	23.7	19/07/2015	21.1	0.6	21.7
6/06/2015	23.2	0.1	23.3	23/12/2015	3.1	0.6	3.7
9/08/2015	22.9	0.1	23.0	2/03/2015	5.8	0.6	6.4
22/06/2015	22	0.2	22.2	3/12/2015	4.8	0.6	5.4
10/03/2015	21.6	0.3	21.9	21/03/2015	5.4	0.5	5.9
29/07/2015	21.5	0.2	21.7	6/01/2015	5.4	0.5	5.9
23/07/2015	21.3	0.1	21.4	24/12/2015	4.1	0.5	4.6
8/07/2015	21.2	0.3	21.5	12/06/2015	16.3	0.5	16.8
8/08/2015	21.2	0.2	21.4	10/02/2015	6.7	0.5	7.2

Table F-85: Scenario 5 – Receptor location 21

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.8	34.0				
21/07/2015	27.3	2.5	29.8				
22/07/2015	26.7	2.6	29.3				
30/06/2015	24.5	3.5	28.0	30/05/2015	7	6.9	13.9
28/06/2015	23.6	3.9	27.5	28/05/2015		6.7	6.7
6/06/2015	23.2	2.3	25.5	4/06/2015	20.2	6.5	26.7
9/08/2015	22.9	2.5	25.4	27/06/2015	14.3	6.5	20.8
22/06/2015	22	4.0	26.0	24/04/2015	4.1	6.1	10.2
10/03/2015	21.6	0.1	21.7	25/05/2015	19.6	5.8	25.4
29/07/2015	21.5	3.5	25.0	5/07/2015	20.9	5.6	26.5
23/07/2015	21.3	5.5	26.8	23/06/2015	18.4	5.5	23.9
8/07/2015	21.2	0.8	22.0	27/05/2015		5.5	5.5
8/08/2015	21.2	2.8	24.0	7/06/2015	14.7	5.5	20.2
19/07/2015	21.1	0.3	21.4	23/07/2015	21.3	5.5	26.8
5/07/2015	20.9	5.6	26.5	28/07/2015	10.9	5.5	16.4
24/06/2015	20.7	3.6	24.3	30/07/2015	14.3	5.4	19.7
19/08/2015	20.5	2.1	22.6	3/06/2015	16.7	5.3	22.0
21/08/2015	20.5	3.4	23.9	31/07/2015	17.6	5.1	22.7
4/06/2015	20.2	6.5	26.7	29/05/2015	9.1	5.1	14.2
5/06/2015	20.2	4.9	25.1	12/05/2015		5.0	5.0
3/07/2015	20.2	2.7	22.9	18/06/2015	8	5.0	13.0

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
29/06/2015	20.1	3.9	24.0	20/05/2015	4.2	5.0	9.2
25/05/2015	19.6	5.8	25.4	11/07/2015	12.2	4.9	17.1

Table F-86: Scenario 5 – Receptor location 35b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.9	33.1				
21/07/2015	27.3	2.1	29.4				
22/07/2015	26.7	2.2	28.9				
30/06/2015	24.5	3.0	27.5	1/07/2015	16.4	5.6	22.0
28/06/2015	23.6	2.7	26.3	30/05/2015	7	5.5	12.5
6/06/2015	23.2	2.2	25.4	23/07/2015	21.3	5.1	26.4
9/08/2015	22.9	1.7	24.6	27/05/2015		5.0	5.0
22/06/2015	22	3.0	25.0	28/05/2015		5.0	5.0
10/03/2015	21.6	0.1	21.7	24/04/2015	4.1	4.9	9.0
29/07/2015	21.5	2.5	24.0	7/06/2015	14.7	4.5	19.2
23/07/2015	21.3	5.1	26.4	20/06/2015	14.4	4.5	18.9
8/07/2015	21.2	1.0	22.2	14/05/2015	16	4.5	20.5
8/08/2015	21.2	2.1	23.3	27/06/2015	14.3	4.5	18.8
19/07/2015	21.1	0.4	21.5	2/06/2015	19.6	4.4	24.0
5/07/2015	20.9	4.2	25.1	25/05/2015	19.6	4.4	24.0
24/06/2015	20.7	3.6	24.3	19/06/2015	13.1	4.4	17.5
19/08/2015	20.5	1.5	22.0	31/05/2015	5.8	4.3	10.1

Table F-87: Scenario 5 – Receptor location 43

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.7	32.9				
21/07/2015	27.3	1.1	28.4				
22/07/2015	26.7	1.1	27.8				
30/06/2015	24.5	1.1	25.6	15/04/2015	10.6	2.6	13.2
28/06/2015	23.6	0.4	24.0	16/06/2015	14.9	2.2	17.1
6/06/2015	23.2	0.6	23.8	27/05/2015		2.1	2.1
9/08/2015	22.9	0.7	23.6	20/06/2015	14.4	1.9	16.3
22/06/2015	22	1.1	23.1	13/06/2015	13.6	1.7	15.3
10/03/2015	21.6	0.2	21.8	14/06/2015	31.2	1.7	32.9
29/07/2015	21.5	0.4	21.9	25/05/2015	19.6	1.6	21.2
23/07/2015	21.3	1.2	22.5	13/09/2015	9.1	1.5	10.6
8/07/2015	21.2	0.6	21.8	15/06/2015	12.9	1.5	14.4
8/08/2015	21.2	0.2	21.4	9/01/2015	6.4	1.4	7.8

Table F-88: Scenario 5 – Receptor location 43b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.2	32.4				
21/07/2015	27.3	0.7	28.0				
22/07/2015	26.7	0.7	27.4				
30/06/2015	24.5	0.6	25.1	15/04/2015	10.6	1.5	12.1
28/06/2015	23.6	0.2	23.8	16/06/2015	14.9	1.4	16.3
6/06/2015	23.2	0.3	23.5	27/05/2015		1.4	1.4
9/08/2015	22.9	0.4	23.3	14/06/2015	31.2	1.2	32.4
22/06/2015	22	0.7	22.7	20/06/2015	14.4	1.1	15.5
10/03/2015	21.6	0.1	21.7	25/05/2015	19.6	1.1	20.7
29/07/2015	21.5	0.3	21.8	13/06/2015	13.6	1.1	14.7
23/07/2015	21.3	0.8	22.1	15/06/2015	12.9	0.9	13.8
8/07/2015	21.2	0.3	21.5	13/09/2015	9.1	0.9	10.0
8/08/2015	21.2	0.1	21.3	29/06/2015	20.1	0.9	21.0

Table F-89: Scenario 5 – Receptor location 47

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.8	32.0				
21/07/2015	27.3	0.5	27.8				
22/07/2015	26.7	0.6	27.3				
30/06/2015	24.5	0.4	24.9	16/06/2015	14.9	1.2	16.1
28/06/2015	23.6	0.2	23.8	27/05/2015		1.1	1.1
6/06/2015	23.2	0.2	23.4	20/06/2015	14.4	1.1	15.5
9/08/2015	22.9	0.3	23.2	15/04/2015	10.6	1.0	11.6
22/06/2015	22	0.5	22.5	13/06/2015	13.6	0.9	14.5
10/03/2015	21.6	0.1	21.7	14/06/2015	31.2	0.8	32.0
29/07/2015	21.5	0.2	21.7	25/05/2015	19.6	0.8	20.4
23/07/2015	21.3	0.5	21.8	15/06/2015	12.9	0.7	13.6
8/07/2015	21.2	0.3	21.5	4/09/2015	10.7	0.7	11.4
8/08/2015	21.2	0.1	21.3	19/10/2015	8.4	0.7	9.1

Table F-90: Scenario 5 – Receptor location 67

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.2	33.4				
21/07/2015	27.3	2.1	29.4				
22/07/2015	26.7	2.6	29.3				
30/06/2015	24.5	3.4	27.9	1/07/2015	16.4	7.0	23.4
28/06/2015	23.6	2.8	26.4	27/05/2015		5.8	5.8
6/06/2015	23.2	2.6	25.8	23/07/2015	21.3	5.7	27.0
9/08/2015	22.9	1.9	24.8	28/05/2015		5.7	5.7
22/06/2015	22	3.4	25.4	30/05/2015	7	5.5	12.5
10/03/2015	21.6	0.2	21.8	20/06/2015	14.4	5.5	19.9
29/07/2015	21.5	2.6	24.1	19/06/2015	13.1	5.5	18.6
23/07/2015	21.3	5.7	27.0	14/05/2015	16	5.3	21.3
8/07/2015	21.2	1.2	22.4	24/04/2015	4.1	5.0	9.1
8/08/2015	21.2	2.2	23.4	27/03/2015	2.3	4.9	7.2
19/07/2015	21.1	0.6	21.7	30/08/2015	11.6	4.9	16.5
5/07/2015	20.9	4.7	25.6	25/05/2015	19.6	4.8	24.4
24/06/2015	20.7	4.0	24.7	2/06/2015	19.6	4.8	24.4
19/08/2015	20.5	1.7	22.2	31/05/2015	5.8	4.7	10.5
21/08/2015	20.5	2.3	22.8	7/06/2015	14.7	4.7	19.4
4/06/2015	20.2	3.6	23.8	5/07/2015	20.9	4.7	25.6

Table F-91: Scenario 5 – Receptor location 102

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.7	33.9				
21/07/2015	27.3	2.4	29.7				
22/07/2015	26.7	3.4	30.1				
30/06/2015	24.5	4.4	28.9	1/07/2015	16.4	9.0	25.4
28/06/2015	23.6	3.5	27.1	27/05/2015	ND	8.2	8.2
6/06/2015	23.2	3.5	26.7	20/06/2015	14.4	7.8	22.2
9/08/2015	22.9	2.2	25.1	19/06/2015	13.1	7.7	20.8
22/06/2015	22.0	4.8	26.8	28/05/2015	ND	7.6	7.6
10/03/2015	21.6	0.2	21.8	23/07/2015	21.3	7.2	28.5
29/07/2015	21.5	3.3	24.8	23/04/2015	4.5	6.7	11.2
23/07/2015	21.3	7.2	28.5	5/06/2015	20.2	6.3	26.5
8/07/2015	21.2	1.4	22.6	14/05/2015	16.0	6.1	22.1
8/08/2015	21.2	2.5	23.7	11/07/2015	12.2	5.9	18.1
19/07/2015	21.1	1.3	22.4	30/05/2015	7.0	5.9	12.9
5/07/2015	20.9	5.7	26.6	2/06/2015	19.6	5.8	25.4
24/06/2015	20.7	5.0	25.7	27/06/2015	14.3	5.7	20.0
19/08/2015	20.5	2.2	22.7	5/07/2015	20.9	5.7	26.6
21/08/2015	20.5	3.1	23.6	5/09/2015	9.1	5.6	14.7
4/06/2015	20.2	3.9	24.1	15/07/2015	18.2	5.6	23.8
5/06/2015	20.2	6.3	26.5	30/08/2015	11.6	5.5	17.1
3/07/2015	20.2	3.0	23.2	23/06/2015	18.4	5.4	23.8
29/06/2015	20.1	3.6	23.7	27/03/2015	2.3	5.4	7.7
25/05/2015	19.6	5.3	24.9	14/01/2015	4.7	5.3	10.0

Table F-92: Scenario 5 – Receptor location 108

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	3.1	34.3				
21/07/2015	27.3	2.6	29.9				
22/07/2015	26.7	3.7	30.4				
30/06/2015	24.5	4.8	29.3	1/07/2015	16.4	9.5	25.9
28/06/2015	23.6	3.8	27.4	27/05/2015	ND	8.9	8.9
6/06/2015	23.2	3.8	27.0	20/06/2015	14.4	8.3	22.7
9/08/2015	22.9	2.4	25.3	28/05/2015	ND	8.2	8.2
22/06/2015	22.0	5.3	27.3	19/06/2015	13.1	8.2	21.3
10/03/2015	21.6	0.3	21.9	23/07/2015	21.3	7.8	29.1
29/07/2015	21.5	3.5	25.0	23/04/2015	4.5	7.2	11.7
23/07/2015	21.3	7.8	29.1	5/06/2015	20.2	6.7	26.9

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
8/07/2015	21.2	1.5	22.7	14/05/2015	16.0	6.4	22.4
8/08/2015	21.2	2.6	23.8	11/07/2015	12.2	6.3	18.5
19/07/2015	21.1	1.4	22.5	30/05/2015	7.0	6.3	13.3
5/07/2015	20.9	6.0	26.9	2/06/2015	19.6	6.1	25.7
24/06/2015	20.7	5.4	26.1	5/09/2015	9.1	6.1	15.2
19/08/2015	20.5	2.5	23.0	5/07/2015	20.9	6.0	26.9
21/08/2015	20.5	3.6	24.1	27/06/2015	14.3	6.0	20.3
4/06/2015	20.2	4.2	24.4	15/07/2015	18.2	6.0	24.2
5/06/2015	20.2	6.7	26.9	25/05/2015	19.6	6.0	25.6
3/07/2015	20.2	3.2	23.4	30/08/2015	11.6	5.9	17.5
29/06/2015	20.1	4.1	24.2	23/06/2015	18.4	5.8	24.2
25/05/2015	19.6	6.0	25.6	27/03/2015	2.3	5.6	7.9
2/06/2015	19.6	6.1	25.7	14/01/2015	4.7	5.6	10.3
21/06/2015	19.6	3.2	22.8	7/08/2015	13.7	5.5	19.2
4/07/2015	19.5	4.7	24.2	31/05/2015	5.8	5.5	11.3
24/05/2015	18.8	3.9	22.7	7/06/2015	14.7	5.4	20.1

Table F-93: Scenario 5 – Receptor location 112

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	3.6	34.8				
21/07/2015	27.3	2.9	30.2				
22/07/2015	26.7	4.1	30.8				
30/06/2015	24.5	5.3	29.8	1/07/2015	16.4	10.2	26.6
28/06/2015	23.6	4.2	27.8	27/05/2015		9.8	9.8
6/06/2015	23.2	4.3	27.5	28/05/2015		9.0	9.0
9/08/2015	22.9	2.7	25.6	19/06/2015	13.1	8.9	22.0
22/06/2015	22	6.1	28.1	20/06/2015	14.4	8.8	23.2
10/03/2015	21.6	0.3	21.9	23/07/2015	21.3	8.6	29.9
29/07/2015	21.5	3.9	25.4	23/04/2015	4.5	7.8	12.3
23/07/2015	21.3	8.6	29.9	5/06/2015	20.2	7.2	27.4
8/07/2015	21.2	1.6	22.8	25/05/2015	19.6	7.0	26.6
8/08/2015	21.2	2.7	23.9	14/05/2015	16	6.8	22.8
19/07/2015	21.1	1.6	22.7	11/07/2015	12.2	6.8	19.0
5/07/2015	20.9	6.5	27.4	30/05/2015	7	6.8	13.8
24/06/2015	20.7	5.8	26.5	5/09/2015	9.1	6.6	15.7
19/08/2015	20.5	2.8	23.3	5/07/2015	20.9	6.5	27.4
21/08/2015	20.5	4.2	24.7	2/06/2015	19.6	6.5	26.1
4/06/2015	20.2	4.5	24.7	15/07/2015	18.2	6.4	24.6

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
5/06/2015	20.2	7.2	27.4	30/08/2015	11.6	6.4	18.0
3/07/2015	20.2	3.5	23.7	27/06/2015	14.3	6.4	20.7
29/06/2015	20.1	4.6	24.7	23/06/2015	18.4	6.3	24.7
25/05/2015	19.6	7.0	26.6	7/06/2015	14.7	6.1	20.8
2/06/2015	19.6	6.5	26.1	22/06/2015	22	6.1	28.1
21/06/2015	19.6	3.4	23.0	27/03/2015	2.3	5.9	8.2
4/07/2015	19.5	5.1	24.6	14/01/2015	4.7	5.9	10.6
24/05/2015	18.8	4.3	23.1	7/08/2015	13.7	5.9	19.6

Table F-94: Scenario 5 – Receptor location 118

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	3.4	34.6				
21/07/2015	27.3	2.8	30.1				
22/07/2015	26.7	3.9	30.6				
30/06/2015	24.5	5.2	29.7	1/07/2015	16.4	9.9	26.3
28/06/2015	23.6	4.2	27.8	27/05/2015		9.8	9.8
6/06/2015	23.2	4.2	27.4	20/06/2015	14.4	8.9	23.3
9/08/2015	22.9	2.5	25.4	28/05/2015		8.8	8.8
22/06/2015	22	6.0	28.0	19/06/2015	13.1	8.7	21.8
10/03/2015	21.6	0.3	21.9	23/07/2015	21.3	8.4	29.7
29/07/2015	21.5	3.8	25.3	23/04/2015	4.5	7.7	12.2
23/07/2015	21.3	8.4	29.7	5/06/2015	20.2	7.3	27.5
8/07/2015	21.2	1.6	22.8	11/07/2015	12.2	6.8	19.0
8/08/2015	21.2	2.8	24.0	30/05/2015	7	6.6	13.6
19/07/2015	21.1	1.6	22.7	2/06/2015	19.6	6.5	26.1
5/07/2015	20.9	6.3	27.2	25/05/2015	19.6	6.5	26.1
24/06/2015	20.7	5.7	26.4	14/05/2015	16	6.4	22.4
19/08/2015	20.5	2.7	23.2	5/09/2015	9.1	6.4	15.5
21/08/2015	20.5	3.9	24.4	15/07/2015	18.2	6.4	24.6
4/06/2015	20.2	4.3	24.5	27/06/2015	14.3	6.4	20.7
5/06/2015	20.2	7.3	27.5	5/07/2015	20.9	6.3	27.2
3/07/2015	20.2	3.5	23.7	30/08/2015	11.6	6.2	17.8
29/06/2015	20.1	4.5	24.6	23/06/2015	18.4	6.1	24.5
25/05/2015	19.6	6.5	26.1	22/06/2015	22	6.0	28.0
2/06/2015	19.6	6.5	26.1	31/05/2015	5.8	5.8	11.6
21/06/2015	19.6	3.3	22.9	7/06/2015	14.7	5.8	20.5
4/07/2015	19.5	4.9	24.4	7/08/2015	13.7	5.8	19.5
24/05/2015	18.8	4.2	23.0	24/06/2015	20.7	5.7	26.4

Table F-95: Scenario 5 – Receptor location 120

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	3.2	34.4				
21/07/2015	27.3	2.7	30.0				
22/07/2015	26.7	3.8	30.5				
30/06/2015	24.5	5.1	29.6	27/05/2015	ND	9.7	9.7
28/06/2015	23.6	4.1	27.7	1/07/2015	16.4	9.6	26.0
6/06/2015	23.2	4.1	27.3	20/06/2015	14.4	8.8	23.2
9/08/2015	22.9	2.4	25.3	19/06/2015	13.1	8.6	21.7
22/06/2015	22.0	5.8	27.8	28/05/2015	ND	8.6	8.6
10/03/2015	21.6	0.3	21.9	23/07/2015	21.3	8.2	29.5
29/07/2015	21.5	3.7	25.2	23/04/2015	4.5	7.5	12.0
23/07/2015	21.3	8.2	29.5	5/06/2015	20.2	7.2	27.4
8/07/2015	21.2	1.5	22.7	11/07/2015	12.2	6.8	19.0
8/08/2015	21.2	2.8	24.0	30/05/2015	7.0	6.6	13.6
19/07/2015	21.1	1.6	22.7	2/06/2015	19.6	6.4	26.0
5/07/2015	20.9	6.1	27.0	27/06/2015	14.3	6.4	20.7
24/06/2015	20.7	5.6	26.3	15/07/2015	18.2	6.3	24.5
19/08/2015	20.5	2.6	23.1	14/05/2015	16.0	6.2	22.2
21/08/2015	20.5	3.7	24.2	5/09/2015	9.1	6.2	15.3
4/06/2015	20.2	4.1	24.3	5/07/2015	20.9	6.1	27.0
5/06/2015	20.2	7.2	27.4	30/08/2015	11.6	6.0	17.6
3/07/2015	20.2	3.4	23.6	25/05/2015	19.6	6.0	25.6
29/06/2015	20.1	4.3	24.4	23/06/2015	18.4	5.9	24.3
25/05/2015	19.6	6.0	25.6	22/06/2015	22.0	5.8	27.8
2/06/2015	19.6	6.4	26.0	31/05/2015	5.8	5.7	11.5
21/06/2015	19.6	3.3	22.9	7/08/2015	13.7	5.7	19.4
4/07/2015	19.5	4.8	24.3	24/06/2015	20.7	5.6	26.3
24/05/2015	18.8	4.1	22.9	27/03/2015	2.3	5.5	7.8

Table F-96: Scenario 5 – Receptor location 120c

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	3.3	34.5				
21/07/2015	27.3	2.7	30.0				
22/07/2015	26.7	3.9	30.6				
30/06/2015	24.5	5.2	29.7	27/05/2015	ND	9.9	9.9
28/06/2015	23.6	4.2	27.8	1/07/2015	16.4	9.7	26.1

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/06/2015	23.2	4.2	27.4	20/06/2015	14.4	9.0	23.4
9/08/2015	22.9	2.5	25.4	28/05/2015	ND	8.7	8.7
22/06/2015	22.0	6.0	28.0	19/06/2015	13.1	8.7	21.8
10/03/2015	21.6	0.3	21.9	23/07/2015	21.3	8.4	29.7
29/07/2015	21.5	3.8	25.3	23/04/2015	4.5	7.7	12.2
23/07/2015	21.3	8.4	29.7	5/06/2015	20.2	7.3	27.5
8/07/2015	21.2	1.6	22.8	11/07/2015	12.2	6.9	19.1
8/08/2015	21.2	2.8	24.0	30/05/2015	7.0	6.7	13.7
19/07/2015	21.1	1.7	22.8	2/06/2015	19.6	6.5	26.1
5/07/2015	20.9	6.2	27.1	27/06/2015	14.3	6.5	20.8
24/06/2015	20.7	5.7	26.4	15/07/2015	18.2	6.4	24.6
19/08/2015	20.5	2.6	23.1	5/09/2015	9.1	6.3	15.4
21/08/2015	20.5	3.8	24.3	14/05/2015	16.0	6.2	22.2
4/06/2015	20.2	4.2	24.4	25/05/2015	19.6	6.2	25.8
5/06/2015	20.2	7.3	27.5	5/07/2015	20.9	6.2	27.1
3/07/2015	20.2	3.4	23.6	30/08/2015	11.6	6.1	17.7
29/06/2015	20.1	4.5	24.6	23/06/2015	18.4	6.0	24.4
25/05/2015	19.6	6.2	25.8	22/06/2015	22.0	6.0	28.0
2/06/2015	19.6	6.5	26.1	31/05/2015	5.8	5.8	11.6
21/06/2015	19.6	3.3	22.9	7/08/2015	13.7	5.8	19.5
4/07/2015	19.5	4.8	24.3	24/06/2015	20.7	5.7	26.4
24/05/2015	18.8	4.2	23.0	7/06/2015	14.7	5.6	20.3

Table F-97: Scenario 5 – Receptor location 121

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	3.5	34.7				
21/07/2015	27.3	2.8	30.1				
22/07/2015	26.7	4.1	30.8				
30/06/2015	24.5	5.4	29.9	27/05/2015	ND	10.3	10.3
28/06/2015	23.6	4.4	28.0	1/07/2015	16.4	9.9	26.3
6/06/2015	23.2	4.4	27.6	20/06/2015	14.4	9.2	23.6
9/08/2015	22.9	2.6	25.5	28/05/2015	ND	9.0	9.0
22/06/2015	22	6.3	28.3	19/06/2015	13.1	9.0	22.1
10/03/2015	21.6	0.3	21.9	23/07/2015	21.3	8.6	29.9
29/07/2015	21.5	3.9	25.4	23/04/2015	4.5	7.9	12.4
23/07/2015	21.3	8.6	29.9	5/06/2015	20.2	7.5	27.7
8/07/2015	21.2	1.6	22.8	11/07/2015	12.2	7.1	19.3
8/08/2015	21.2	2.8	24.0	30/05/2015	7	6.8	13.8

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
19/07/2015	21.1	1.7	22.8	2/06/2015	19.6	6.7	26.3
5/07/2015	20.9	6.3	27.2	27/06/2015	14.3	6.6	20.9
24/06/2015	20.7	5.9	26.6	15/07/2015	18.2	6.6	24.8
19/08/2015	20.5	2.7	23.2	25/05/2015	19.6	6.5	26.1
21/08/2015	20.5	4.0	24.5	5/09/2015	9.1	6.5	15.6
4/06/2015	20.2	4.3	24.5	5/07/2015	20.9	6.3	27.2
5/06/2015	20.2	7.5	27.7	30/08/2015	11.6	6.3	17.9
3/07/2015	20.2	3.5	23.7	14/05/2015	16	6.3	22.3
29/06/2015	20.1	4.7	24.8	22/06/2015	22	6.3	28.3
25/05/2015	19.6	6.5	26.1	23/06/2015	18.4	6.1	24.5
2/06/2015	19.6	6.7	26.3	31/05/2015	5.8	5.9	11.7
21/06/2015	19.6	3.4	23.0	24/06/2015	20.7	5.9	26.6
4/07/2015	19.5	4.9	24.4	7/08/2015	13.7	5.9	19.6
24/05/2015	18.8	4.4	23.2	7/06/2015	14.7	5.8	20.5

Table F-98: Scenario 5 – Receptor location 136

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.7	32.9				
21/07/2015	27.3	0.5	27.8				
22/07/2015	26.7	2.9	29.6				
30/06/2015	24.5	2.7	27.2	20/06/2015	14.4	8.7	23.1
28/06/2015	23.6	1.4	25.0	1/07/2015	16.4	8.2	24.6
6/06/2015	23.2	3.8	27.0	27/05/2015	NF	7.8	7.8
9/08/2015	22.9	0.7	23.6	4/09/2015	10.7	7.4	18.1
22/06/2015	22	3.6	25.6	19/06/2015	13.1	6.9	20.0
10/03/2015	21.6	0.3	21.9	16/07/2015	6.2	6.6	12.8
29/07/2015	21.5	1.1	22.6	23/07/2015	21.3	6.6	27.9
23/07/2015	21.3	6.6	27.9	15/07/2015	18.2	6.5	24.7
8/07/2015	21.2	1.3	22.5	5/06/2015	20.2	6.3	26.5
8/08/2015	21.2	2.6	23.8	23/04/2015	4.5	6.3	10.8
19/07/2015	21.1	2.6	23.7	31/01/2015	6.8	6.1	12.9
5/07/2015	20.9	2.4	23.3	11/07/2015	12.2	6.0	18.2
24/06/2015	20.7	4.8	25.5	18/08/2015	11.3	5.5	16.8
19/08/2015	20.5	0.7	21.2	31/05/2015	5.8	5.3	11.1
21/08/2015	20.5	1.2	21.7	5/04/2015	3.2	5.0	8.2
4/06/2015	20.2	1.1	21.3	2/06/2015	19.6	4.9	24.5
5/06/2015	20.2	6.3	26.5	24/06/2015	20.7	4.8	25.5

Table F-99: Scenario 5 – Receptor location 140a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.5	31.7				
21/07/2015	27.3	0.3	27.6				
22/07/2015	26.7	1.7	28.4				
30/06/2015	24.5	1.0	25.5	20/06/2015	14.4	4.7	19.1
28/06/2015	23.6	0.4	24.0	16/07/2015	6.2	4.5	10.7
6/06/2015	23.2	2.4	25.6	31/01/2015	6.8	4.3	11.1
9/08/2015	22.9	0.3	23.2	1/07/2015	16.4	4.3	20.7
22/06/2015	22	1.1	23.1	4/09/2015	10.7	4.0	14.7
10/03/2015	21.6	0.2	21.8	9/06/2015	11	4.0	15.0
29/07/2015	21.5	0.2	21.7	19/06/2015	13.1	4.0	17.1
23/07/2015	21.3	3.2	24.5	18/08/2015	11.3	3.7	15.0
8/07/2015	21.2	0.8	22.0	27/05/2015	ND	3.6	3.6
8/08/2015	21.2	1.3	22.5	23/07/2015	21.3	3.2	24.5

Table F-100: Scenario 5 – Receptor location 143a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.2	31.4				
21/07/2015	27.3	0.6	27.9				
22/07/2015	26.7	2.1	28.8				
30/06/2015	24.5	1.3	25.8	31/01/2015	6.8	5.5	12.3
28/06/2015	23.6	0.4	24.0	5/04/2015	3.2	5.4	8.6
6/06/2015	23.2	1.2	24.4	16/07/2015	6.2	5.2	11.4
9/08/2015	22.9	0.5	23.4	4/09/2015	10.7	4.9	15.6
22/06/2015	22	0.6	22.6	18/08/2015	11.3	4.8	16.1
10/03/2015	21.6	0.5	22.1	12/03/2015	14.2	4.8	19.0
29/07/2015	21.5	0.2	21.7	19/03/2015	8.5	4.7	13.2
23/07/2015	21.3	0.8	22.1	16/06/2015	14.9	4.4	19.3
8/07/2015	21.2	1.7	22.9	20/06/2015	14.4	4.3	18.7
8/08/2015	21.2	0.1	21.3	1/11/2015	9.5	4.2	13.7
19/07/2015	21.1	2.6	23.7	5/03/2015	11.4	4.0	15.4
5/07/2015	20.9	1.4	22.3	27/05/2015	ND	3.9	3.9

Table F-101: Scenario 5 – Receptor location 147

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.3	31.5				
21/07/2015	27.3	1.1	28.4				
22/07/2015	26.7	3.8	30.5				
30/06/2015	24.5	2.5	27.0	16/06/2015	14.9	10.7	25.6
28/06/2015	23.6	0.7	24.3	5/04/2015	3.2	9.6	12.8
6/06/2015	23.2	1.5	24.7	18/09/2015	6.3	9.4	15.7
9/08/2015	22.9	1.0	23.9	1/11/2015	9.5	9.3	18.8
22/06/2015	22	0.9	22.9	31/10/2015	7.3	8.6	15.9
10/03/2015	21.6	1.1	22.7	9/01/2015	6.4	7.9	14.3
29/07/2015	21.5	0.4	21.9	30/01/2015	4.9	7.3	12.2
23/07/2015	21.3	0.4	21.7	4/09/2015	10.7	6.5	17.2
8/07/2015	21.2	4.0	25.2	3/07/2015	20.2	6.4	26.6
8/08/2015	21.2	0.1	21.3	27/05/2015	ND	6.4	6.4
19/07/2015	21.1	5.0	26.1	16/07/2015	6.2	6.3	12.5
5/07/2015	20.9	3.1	24.0	15/07/2015	18.2	6.2	24.4
24/06/2015	20.7	3.3	24.0	19/06/2015	13.1	5.9	19.0
19/08/2015	20.5	1.1	21.6	19/03/2015	8.5	5.9	14.4
21/08/2015	20.5	0.0	20.5	10/10/2015	11.6	5.9	17.5
4/06/2015	20.2	0.0	20.2	12/12/2015	10	5.5	15.5
5/06/2015	20.2	1.3	21.5	12/03/2015	14.2	5.5	19.7
3/07/2015	20.2	6.4	26.6	16/09/2015	7.1	5.3	12.4
29/06/2015	20.1	0.6	20.7	16/12/2015	8.1	5.3	13.4
25/05/2015	19.6	0.3	19.9	25/09/2015	5	5.2	10.2

Table F-102: Scenario 5 – Receptor location 153a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	3.8	35.0				
21/07/2015	27.3	1.0	28.3				
22/07/2015	26.7	0.7	27.4				
30/06/2015	24.5	2.7	27.2	4/04/2015	2.7	8.1	10.8
28/06/2015	23.6	3.1	26.7	13/01/2015	3.9	6.7	10.6
6/06/2015	23.2	2.9	26.1	24/10/2015	5.1	6.4	11.5
9/08/2015	22.9	2.6	25.5	7/07/2015	14.9	6.1	21.0
22/06/2015	22	4.5	26.5	17/05/2015	4.9	6.1	11.0
10/03/2015	21.6	2.8	24.4	19/07/2015	21.1	5.9	27.0
29/07/2015	21.5	1.5	23.0	15/06/2015	12.9	5.8	18.7
23/07/2015	21.3	0.1	21.4	14/03/2015	5.5	5.7	11.2

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
8/07/2015	21.2	4.3	25.5	9/10/2015	5.7	5.6	11.3
8/08/2015	21.2	1.5	22.7	5/02/2015	5.5	5.5	11.0
19/07/2015	21.1	5.9	27.0	13/09/2015	9.1	5.4	14.5
5/07/2015	20.9	0.2	21.1	4/05/2015	6.1	5.2	11.3
24/06/2015	20.7	4.0	24.7	18/05/2015	10.3	5.0	15.3
19/08/2015	20.5	2.8	23.3	22/03/2015	4.1	4.9	9.0
21/08/2015	20.5	0.0	20.5	11/06/2015	11.5	4.8	16.3
4/06/2015	20.2	0.0	20.2	16/03/2015	5.9	4.8	10.7

Table F-103: Scenario 5 – Receptor location 257

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.5	32.7				
21/07/2015	27.3	1.1	28.4				
22/07/2015	26.7	1.0	27.7				
30/06/2015	24.5	0.8	25.3	9/01/2015	6.4	1.8	8.2
28/06/2015	23.6	0.3	23.9	16/06/2015	14.9	1.7	16.6
6/06/2015	23.2	0.5	23.7	27/05/2015		1.6	1.6
9/08/2015	22.9	0.6	23.5	14/06/2015	31.2	1.5	32.7
22/06/2015	22	0.9	22.9	25/05/2015	19.6	1.5	21.1
10/03/2015	21.6	0.1	21.7	13/09/2015	9.1	1.4	10.5
29/07/2015	21.5	0.4	21.9	13/06/2015	13.6	1.4	15.0
23/07/2015	21.3	1.0	22.3	15/04/2015	10.6	1.3	11.9
8/07/2015	21.2	0.2	21.4	29/06/2015	20.1	1.2	21.3
8/08/2015	21.2	0.2	21.4	21/07/2015	27.3	1.1	28.4

Table F-104: Scenario 5 – Receptor location 258a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.3	32.5				
21/07/2015	27.3	0.9	28.2				
22/07/2015	26.7	0.8	27.5				
30/06/2015	24.5	0.7	25.2	9/01/2015	6.4	2.3	8.7
28/06/2015	23.6	0.2	23.8	16/06/2015	14.9	1.5	16.4
6/06/2015	23.2	0.4	23.6	27/05/2015	ND	1.4	1.4
9/08/2015	22.9	0.6	23.5	14/06/2015	31.2	1.3	32.5
22/06/2015	22	0.8	22.8	25/05/2015	19.6	1.3	20.9
10/03/2015	21.6	0.1	21.7	13/06/2015	13.6	1.2	14.8
29/07/2015	21.5	0.3	21.8	13/09/2015	9.1	1.2	10.3
23/07/2015	21.3	0.9	22.2	15/04/2015	10.6	1.1	11.7
8/07/2015	21.2	0.2	21.4	29/06/2015	20.1	1.0	21.1
8/08/2015	21.2	0.1	21.3	15/06/2015	12.9	0.9	13.8

Table F-105: Scenario 5 – Receptor location 272

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.4	31.6				
21/07/2015	27.3	0.2	27.5				
22/07/2015	26.7	0.1	26.8				
30/06/2015	24.5	0.2	24.7	20/06/2015	14.4	0.9	15.3
28/06/2015	23.6	0.1	23.7	3/12/2015	4.8	0.7	5.5
6/06/2015	23.2	0.1	23.3	19/07/2015	21.1	0.6	21.7
9/08/2015	22.9	0.2	23.1	2/03/2015	5.8	0.6	6.4
22/06/2015	22	0.2	22.2	21/03/2015	5.4	0.6	6.0
10/03/2015	21.6	0.3	21.9	6/01/2015	5.4	0.6	6.0
29/07/2015	21.5	0.2	21.7	18/02/2015	4.6	0.5	5.1
23/07/2015	21.3	0.1	21.4	12/06/2015	16.3	0.5	16.8
8/07/2015	21.2	0.3	21.5	10/01/2015	7	0.5	7.5
8/08/2015	21.2	0.2	21.4	27/12/2015	6.1	0.5	6.6

Table F-106: Scenario 6 – Receptor location 21

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.2	33.4				
21/07/2015	27.3	1.2	28.5				
22/07/2015	26.7	2.0	28.7				
30/06/2015	24.5	2.8	27.3	12/05/2015	ND	5.8	5.8
28/06/2015	23.6	3.4	27.0	28/05/2015	ND	5.7	5.7
6/06/2015	23.2	1.8	25.0	27/06/2015	14.3	5.7	20.0
9/08/2015	22.9	2.0	24.9	30/05/2015	7.0	5.6	12.6
22/06/2015	22.0	3.4	25.4	4/06/2015	20.2	5.5	25.7
10/03/2015	21.6	0.1	21.7	31/07/2015	17.6	5.1	22.7
29/07/2015	21.5	3.0	24.5	30/07/2015	14.3	5.0	19.3
23/07/2015	21.3	4.0	25.3	5/07/2015	20.9	4.9	25.8
8/07/2015	21.2	0.5	21.7	23/06/2015	18.4	4.9	23.3
8/08/2015	21.2	2.5	23.7	8/06/2015	7.3	4.6	11.9
19/07/2015	21.1	0.2	21.3	27/08/2015	3.8	4.6	8.4
5/07/2015	20.9	4.9	25.8	3/06/2015	16.7	4.6	21.3
24/06/2015	20.7	2.7	23.4	27/05/2015	ND	4.5	4.5
19/08/2015	20.5	1.7	22.2	28/07/2015	10.9	4.5	15.4
21/08/2015	20.5	2.6	23.1	2/07/2015	12.4	4.5	16.9
4/06/2015	20.2	5.5	25.7	25/05/2015	19.6	4.4	24.0

Table F-107: Scenario 6 – Receptor location 35b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.7	32.9				
21/07/2015	27.3	2.0	29.3				
22/07/2015	26.7	1.7	28.4				
30/06/2015	24.5	2.2	26.7	24/04/2015	4.1	5.8	9.9
28/06/2015	23.6	2.5	26.1	28/05/2015	**ND**	4.7	4.7
6/06/2015	23.2	1.8	25.0	14/08/2015	13.2	4.6	17.8
9/08/2015	22.9	1.2	24.1	7/06/2015	14.7	4.4	19.1
22/06/2015	22.0	2.5	24.5	27/05/2015	ND	4.3	4.3
10/03/2015	21.6	0.1	21.7	6/04/2015	3.5	4.2	7.7
29/07/2015	21.5	2.0	23.5	5/05/2015	6.1	4.1	10.2
23/07/2015	21.3	4.0	25.3	18/06/2015	8.0	4.1	12.1
8/07/2015	21.2	0.7	21.9	30/05/2015	7.0	4.0	11.0
8/08/2015	21.2	2.1	23.3	23/07/2015	21.3	4.0	25.3
19/07/2015	21.1	0.3	21.4	1/07/2015	16.4	4.0	20.4
5/07/2015	20.9	3.8	24.7	23/06/2015	18.4	4.0	22.4

Table F-108: Scenario 6 – Receptor location 43

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.7	32.9				
21/07/2015	27.3	1.0	28.3				
22/07/2015	26.7	1.2	27.9				
30/06/2015	24.5	1.4	25.9	15/04/2015	10.6	2.3	12.9
28/06/2015	23.6	0.3	23.9	27/05/2015	ND	2.1	2.1
6/06/2015	23.2	0.6	23.8	20/06/2015	14.4	1.9	16.3
9/08/2015	22.9	0.8	23.7	25/05/2015	19.6	1.9	21.5
22/06/2015	22.0	1.3	23.3	16/06/2015	14.9	1.7	16.6
10/03/2015	21.6	0.1	21.7	14/06/2015	31.2	1.7	32.9
29/07/2015	21.5	0.4	21.9	13/09/2015	9.1	1.6	10.7
23/07/2015	21.3	1.4	22.7	29/06/2015	20.1	1.6	21.7
8/07/2015	21.2	0.5	21.7	13/06/2015	13.6	1.5	15.1
8/08/2015	21.2	0.2	21.4	30/06/2015	24.5	1.4	25.9

Table F-109: Scenario 6 – Receptor location 43b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.1	32.3				
21/07/2015	27.3	0.6	27.9				
22/07/2015	26.7	0.8	27.5				
30/06/2015	24.5	0.8	25.3	15/04/2015	10.6	1.4	12.0
28/06/2015	23.6	0.2	23.8	27/05/2015	ND	1.4	1.4
6/06/2015	23.2	0.3	23.5	25/05/2015	19.6	1.2	20.8
9/08/2015	22.9	0.5	23.4	16/06/2015	14.9	1.1	16.0
22/06/2015	22.0	0.7	22.7	14/06/2015	31.2	1.1	32.3
10/03/2015	21.6	0.1	21.7	20/06/2015	14.4	1.1	15.5
29/07/2015	21.5	0.3	21.8	29/06/2015	20.1	1.0	21.1
23/07/2015	21.3	0.8	22.1	13/09/2015	9.1	1.0	10.1
8/07/2015	21.2	0.2	21.4	13/06/2015	13.6	0.9	14.5
8/08/2015	21.2	0.1	21.3	23/07/2015	21.3	0.8	22.1

Table F-110: Scenario 6 – Receptor location 47

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.9	32.1				
21/07/2015	27.3	0.5	27.8				
22/07/2015	26.7	0.6	27.3				
30/06/2015	24.5	0.6	25.1	15/04/2015	10.6	1.1	11.7
28/06/2015	23.6	0.1	23.7	27/05/2015	ND	1.1	1.1
6/06/2015	23.2	0.2	23.4	20/06/2015	14.4	1.1	15.5
9/08/2015	22.9	0.3	23.2	16/06/2015	14.9	1.0	15.9
22/06/2015	22.0	0.5	22.5	25/05/2015	19.6	0.9	20.5
10/03/2015	21.6	0.1	21.7	14/06/2015	31.2	0.9	32.1
29/07/2015	21.5	0.2	21.7	13/06/2015	13.6	0.7	14.3
23/07/2015	21.3	0.6	21.9	13/09/2015	9.1	0.7	9.8
8/07/2015	21.2	0.2	21.4	29/06/2015	20.1	0.7	20.8
8/08/2015	21.2	0.1	21.3	15/06/2015	12.9	0.7	13.6

Table F-111: Scenario 6 – Receptor location 67

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.8	33.0				
21/07/2015	27.3	2.0	29.3				
22/07/2015	26.7	1.9	28.6				
30/06/2015	24.5	2.5	27.0	24/04/2015	4.1	5.6	9.7
28/06/2015	23.6	2.5	26.1	28/05/2015	ND	5.1	5.1
6/06/2015	23.2	2.1	25.3	27/05/2015	ND	4.9	4.9
9/08/2015	22.9	1.3	24.2	1/07/2015	16.4	4.8	21.2
22/06/2015	22.0	2.6	24.6	14/08/2015	13.2	4.8	18.0
10/03/2015	21.6	0.1	21.7	7/06/2015	14.7	4.6	19.3
29/07/2015	21.5	2.0	23.5	23/07/2015	21.3	4.6	25.9
23/07/2015	21.3	4.6	25.9	6/04/2015	3.5	4.5	8.0
8/07/2015	21.2	0.8	22.0	5/05/2015	6.1	4.5	10.6
8/08/2015	21.2	2.3	23.5	27/07/2015	12.7	4.4	17.1
19/07/2015	21.1	0.4	21.5	2/06/2015	19.6	4.3	23.9
5/07/2015	20.9	4.1	25.0	30/05/2015	7.0	4.3	11.3
24/06/2015	20.7	3.7	24.4	23/06/2015	18.4	4.3	22.7

Table F-112: Scenario 6 – Receptor location 102

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.9	33.1				
21/07/2015	27.3	1.4	28.7				
22/07/2015	26.7	2.4	29.1				
30/06/2015	24.5	2.9	27.4	1/07/2015	16.4	6.9	23.3
28/06/2015	23.6	2.4	26.0	27/05/2015	ND	6.2	6.2
6/06/2015	23.2	2.6	25.8	28/05/2015	ND	5.6	5.6
9/08/2015	22.9	1.4	24.3	23/07/2015	21.3	5.5	26.8
22/06/2015	22.0	3.2	25.2	20/06/2015	14.4	5.4	19.8
10/03/2015	21.6	0.1	21.7	23/04/2015	4.5	5.3	9.8
29/07/2015	21.5	2.2	23.7	19/06/2015	13.1	5.3	18.4
23/07/2015	21.3	5.5	26.8	6/04/2015	3.5	4.9	8.4
8/07/2015	21.2	0.9	22.1	16/07/2015	6.2	4.9	11.1
8/08/2015	21.2	2.3	23.5	11/07/2015	12.2	4.8	17.0
19/07/2015	21.1	0.7	21.8	30/05/2015	7.0	4.7	11.7
5/07/2015	20.9	4.2	25.1	2/06/2015	19.6	4.7	24.3
24/06/2015	20.7	4.2	24.9	14/05/2015	16.0	4.7	20.7
19/08/2015	20.5	1.3	21.8	15/07/2015	18.2	4.6	22.8
21/08/2015	20.5	2.2	22.7	31/05/2015	5.8	4.5	10.3
4/06/2015	20.2	2.7	22.9	16/04/2015	8.3	4.5	12.8

Table F-113: Scenario 6 – Receptor location 108

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.1	33.3				
21/07/2015	27.3	1.5	28.8				
22/07/2015	26.7	2.6	29.3				
30/06/2015	24.5	3.1	27.6	1/07/2015	16.4	7.3	23.7
28/06/2015	23.6	2.6	26.2	27/05/2015	ND	6.7	6.7
6/06/2015	23.2	2.8	26.0	28/05/2015	ND	6.1	6.1
9/08/2015	22.9	1.5	24.4	23/07/2015	21.3	5.9	27.2
22/06/2015	22.0	3.5	25.5	20/06/2015	14.4	5.8	20.2
10/03/2015	21.6	0.2	21.8	23/04/2015	4.5	5.6	10.1
29/07/2015	21.5	2.3	23.8	19/06/2015	13.1	5.6	18.7
23/07/2015	21.3	5.9	27.2	11/07/2015	12.2	5.1	17.3
8/07/2015	21.2	0.9	22.1	6/04/2015	3.5	5.1	8.6
8/08/2015	21.2	2.4	23.6	16/07/2015	6.2	5.1	11.3
19/07/2015	21.1	0.8	21.9	30/05/2015	7.0	5.0	12.0
5/07/2015	20.9	4.5	25.4	14/05/2015	16.0	5.0	21.0

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
24/06/2015	20.7	4.5	25.2	2/06/2015	19.6	5.0	24.6
19/08/2015	20.5	1.4	21.9	15/07/2015	18.2	4.9	23.1
21/08/2015	20.5	2.4	22.9	31/05/2015	5.8	4.8	10.6
4/06/2015	20.2	2.8	23.0	16/04/2015	8.3	4.7	13.0

Table F-114: Scenario 6 – Receptor location 112

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.4	33.6				
21/07/2015	27.3	1.7	29.0				
22/07/2015	26.7	2.8	29.5				
30/06/2015	24.5	3.4	27.9	1/07/2015	16.4	7.9	24.3
28/06/2015	23.6	2.9	26.5	27/05/2015	ND	7.4	7.4
6/06/2015	23.2	3.0	26.2	28/05/2015	ND	6.8	6.8
9/08/2015	22.9	1.6	24.5	23/07/2015	21.3	6.4	27.7
22/06/2015	22.0	3.9	25.9	20/06/2015	14.4	6.1	20.5
10/03/2015	21.6	0.2	21.8	23/04/2015	4.5	6.0	10.5
29/07/2015	21.5	2.5	24.0	19/06/2015	13.1	5.9	19.0
23/07/2015	21.3	6.4	27.7	11/07/2015	12.2	5.6	17.8
8/07/2015	21.2	1.0	22.2	6/04/2015	3.5	5.6	9.1
8/08/2015	21.2	2.6	23.8	16/07/2015	6.2	5.4	11.6
19/07/2015	21.1	0.9	22.0	15/07/2015	18.2	5.4	23.6
5/07/2015	20.9	5.0	25.9	30/05/2015	7.0	5.3	12.3
24/06/2015	20.7	4.9	25.6	14/05/2015	16.0	5.3	21.3
19/08/2015	20.5	1.6	22.1	2/06/2015	19.6	5.3	24.9
21/08/2015	20.5	2.8	23.3	31/05/2015	5.8	5.1	10.9
4/06/2015	20.2	3.1	23.3	5/07/2015	20.9	5.0	25.9
5/06/2015	20.2	4.4	24.6	14/01/2015	4.7	4.9	9.6
3/07/2015	20.2	2.0	22.2	23/06/2015	18.4	4.9	23.3
29/06/2015	20.1	2.9	23.0	16/04/2015	8.3	4.9	13.2

Table F-115: Scenario 6 – Receptor location 118

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.3	33.5				
21/07/2015	27.3	1.5	28.8				
22/07/2015	26.7	2.7	29.4				
30/06/2015	24.5	3.3	27.8	1/07/2015	16.4	7.8	24.2
28/06/2015	23.6	2.8	26.4	27/05/2015	ND	7.2	7.2
6/06/2015	23.2	3.0	26.2	28/05/2015	ND	6.4	6.4
9/08/2015	22.9	1.5	24.4	23/07/2015	21.3	6.3	27.6
22/06/2015	22.0	3.8	25.8	20/06/2015	14.4	6.1	20.5
10/03/2015	21.6	0.2	21.8	23/04/2015	4.5	6.0	10.5
29/07/2015	21.5	2.4	23.9	19/06/2015	13.1	6.0	19.1
23/07/2015	21.3	6.3	27.6	11/07/2015	12.2	5.5	17.7
8/07/2015	21.2	0.9	22.1	16/07/2015	6.2	5.2	11.4
8/08/2015	21.2	2.4	23.6	15/07/2015	18.2	5.1	23.3
19/07/2015	21.1	0.9	22.0	30/05/2015	7.0	5.1	12.1
5/07/2015	20.9	4.7	25.6	6/04/2015	3.5	5.1	8.6
24/06/2015	20.7	4.7	25.4	2/06/2015	19.6	5.0	24.6
19/08/2015	20.5	1.5	22.0	14/05/2015	16.0	5.0	21.0
21/08/2015	20.5	2.6	23.1	16/04/2015	8.3	4.8	13.1
4/06/2015	20.2	2.9	23.1	31/05/2015	5.8	4.8	10.6

Table F-116: Scenario 6 – Receptor location 120

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.2	33.4				
21/07/2015	27.3	1.4	28.7				
22/07/2015	26.7	2.6	29.3				
30/06/2015	24.5	3.2	27.7	1/07/2015	16.4	7.8	24.2
28/06/2015	23.6	2.7	26.3	27/05/2015	ND	7.0	7.0
6/06/2015	23.2	2.9	26.1	23/07/2015	21.3	6.1	27.4
9/08/2015	22.9	1.5	24.4	20/06/2015	14.4	6.1	20.5
22/06/2015	22.0	3.7	25.7	28/05/2015	ND	6.0	6.0
10/03/2015	21.6	0.2	21.8	23/04/2015	4.5	6.0	10.5
29/07/2015	21.5	2.4	23.9	19/06/2015	13.1	6.0	19.1
23/07/2015	21.3	6.1	27.4	11/07/2015	12.2	5.4	17.6
8/07/2015	21.2	0.9	22.1	16/07/2015	6.2	5.0	11.2
8/08/2015	21.2	2.3	23.5	30/05/2015	7.0	5.0	12.0
19/07/2015	21.1	0.9	22.0	15/07/2015	18.2	5.0	23.2
5/07/2015	20.9	4.5	25.4	2/06/2015	19.6	4.9	24.5

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
24/06/2015	20.7	4.5	25.2	14/05/2015	16.0	4.8	20.8
19/08/2015	20.5	1.5	22.0	6/04/2015	3.5	4.8	8.3
21/08/2015	20.5	2.4	22.9	16/04/2015	8.3	4.7	13.0
4/06/2015	20.2	2.7	22.9	25/08/2015	3.6	4.6	8.2

Table F-117: Scenario 6 – Receptor location 120c

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.2	33.4				
21/07/2015	27.3	1.5	28.8				
22/07/2015	26.7	2.7	29.4				
30/06/2015	24.5	3.3	27.8	1/07/2015	16.4	7.9	24.3
28/06/2015	23.6	2.7	26.3	27/05/2015	ND	7.2	7.2
6/06/2015	23.2	3.0	26.2	23/07/2015	21.3	6.2	27.5
9/08/2015	22.9	1.5	24.4	20/06/2015	14.4	6.2	20.6
22/06/2015	22.0	3.8	25.8	28/05/2015	ND	6.2	6.2
10/03/2015	21.6	0.2	21.8	23/04/2015	4.5	6.1	10.6
29/07/2015	21.5	2.4	23.9	19/06/2015	13.1	6.1	19.2
23/07/2015	21.3	6.2	27.5	11/07/2015	12.2	5.5	17.7
8/07/2015	21.2	0.9	22.1	16/07/2015	6.2	5.1	11.3
8/08/2015	21.2	2.3	23.5	15/07/2015	18.2	5.0	23.2
19/07/2015	21.1	0.9	22.0	30/05/2015	7.0	5.0	12.0
5/07/2015	20.9	4.5	25.4	2/06/2015	19.6	4.9	24.5
24/06/2015	20.7	4.6	25.3	14/05/2015	16.0	4.9	20.9
19/08/2015	20.5	1.5	22.0	6/04/2015	3.5	4.8	8.3
21/08/2015	20.5	2.5	23.0	16/04/2015	8.3	4.8	13.1
4/06/2015	20.2	2.7	22.9	25/08/2015	3.6	4.6	8.2

Table F-118: Scenario 6 – Receptor location 121

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	2.3	33.5				
21/07/2015	27.3	1.5	28.8				
22/07/2015	26.7	2.8	29.5				
30/06/2015	24.5	3.4	27.9	1/07/2015	16.4	8.1	24.5
28/06/2015	23.6	2.8	26.4	27/05/2015	ND	7.4	7.4
6/06/2015	23.2	3.1	26.3	23/07/2015	21.3	6.4	27.7
9/08/2015	22.9	1.5	24.4	20/06/2015	14.4	6.4	20.8
22/06/2015	22.0	3.9	25.9	28/05/2015	ND	6.3	6.3
10/03/2015	21.6	0.2	21.8	19/06/2015	13.1	6.2	19.3
29/07/2015	21.5	2.5	24.0	23/04/2015	4.5	6.2	10.7
23/07/2015	21.3	6.4	27.7	11/07/2015	12.2	5.7	17.9
8/07/2015	21.2	0.9	22.1	15/07/2015	18.2	5.2	23.4
8/08/2015	21.2	2.4	23.6	16/07/2015	6.2	5.1	11.3
19/07/2015	21.1	1.0	22.1	30/05/2015	7.0	5.1	12.1
5/07/2015	20.9	4.6	25.5	2/06/2015	19.6	5.0	24.6
24/06/2015	20.7	4.7	25.4	14/05/2015	16.0	5.0	21.0
19/08/2015	20.5	1.6	22.1	16/04/2015	8.3	4.9	13.2
21/08/2015	20.5	2.6	23.1	6/04/2015	3.5	4.9	8.4
4/06/2015	20.2	2.8	23.0	24/06/2015	20.7	4.7	25.4

Table F-119: Scenario 6 – Receptor location 136

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.0	32.2				
21/07/2015	27.3	0.4	27.7				
22/07/2015	26.7	2.0	28.7				
30/06/2015	24.5	1.7	26.2	1/07/2015	16.4	6.7	23.1
28/06/2015	23.6	0.9	24.5	20/06/2015	14.4	6.2	20.6
6/06/2015	23.2	3.0	26.2	31/01/2015	6.8	5.9	12.7
9/08/2015	22.9	0.5	23.4	19/06/2015	13.1	5.5	18.6
22/06/2015	22.0	2.3	24.3	27/05/2015		5.3	5.3
10/03/2015	21.6	0.2	21.8	4/09/2015	10.7	5.2	15.9
29/07/2015	21.5	0.8	22.3	16/07/2015	6.2	4.9	11.1
23/07/2015	21.3	4.8	26.1	23/07/2015	21.3	4.8	26.1
8/07/2015	21.2	0.7	21.9	23/04/2015	4.5	4.7	9.2
8/08/2015	21.2	1.7	22.9	18/08/2015	11.3	4.6	15.9
19/07/2015	21.1	1.6	22.7	15/07/2015	18.2	4.6	22.8
5/07/2015	20.9	1.9	22.8	11/07/2015	12.2	4.3	16.5

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
24/06/2015	20.7	3.3	24.0	5/06/2015	20.2	4.2	24.4

Table F-120: Scenario 6 – Receptor location 140a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.4	31.6				
21/07/2015	27.3	0.3	27.6				
22/07/2015	26.7	1.2	27.9				
30/06/2015	24.5	0.7	25.2	31/01/2015	6.8	4.0	10.8
28/06/2015	23.6	0.3	23.9	1/07/2015	16.4	3.7	20.1
6/06/2015	23.2	2.0	25.2	20/06/2015	14.4	3.6	18.0
9/08/2015	22.9	0.2	23.1	18/08/2015	11.3	3.4	14.7
22/06/2015	22.0	0.8	22.8	9/06/2015	11.0	3.4	14.4
10/03/2015	21.6	0.1	21.7	19/06/2015	13.1	3.3	16.4
29/07/2015	21.5	0.2	21.7	16/07/2015	6.2	3.1	9.3
23/07/2015	21.3	2.4	23.7	4/09/2015	10.7	3.1	13.8
8/07/2015	21.2	0.4	21.6	27/05/2015		2.8	2.8
8/08/2015	21.2	1.1	22.3	23/04/2015	4.5	2.6	7.1

Table F-121: Scenario 6 – Receptor location 143a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.2	31.4				
21/07/2015	27.3	0.4	27.7				
22/07/2015	26.7	1.6	28.3				
30/06/2015	24.5	0.8	25.3	31/01/2015	6.8	5.1	11.9
28/06/2015	23.6	0.2	23.8	18/08/2015	11.3	4.4	15.7
6/06/2015	23.2	1.1	24.3	4/09/2015	10.7	4.2	14.9
9/08/2015	22.9	0.4	23.3	16/07/2015	6.2	3.9	10.1
22/06/2015	22.0	0.5	22.5	19/03/2015	8.5	3.8	12.3
10/03/2015	21.6	0.3	21.9	20/06/2015	14.4	3.8	18.2
29/07/2015	21.5	0.2	21.7	12/03/2015	14.2	3.7	17.9
23/07/2015	21.3	0.8	22.1	5/04/2015	3.2	3.6	6.8

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
8/07/2015	21.2	1.2	22.4	27/05/2015		3.5	3.5
8/08/2015	21.2	0.1	21.3	5/03/2015	11.4	3.4	14.8

Table F-122: Scenario 6 – Receptor location 147

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.2	31.4				
21/07/2015	27.3	0.8	28.1				
22/07/2015	26.7	2.4	29.1				
30/06/2015	24.5	1.4	25.9	5/04/2015	3.2	6.1	9.3
28/06/2015	23.6	0.3	23.9	16/06/2015	14.9	5.5	20.4
6/06/2015	23.2	1.3	24.5	4/09/2015	10.7	5.3	16.0
9/08/2015	22.9	0.7	23.6	16/07/2015	6.2	5.3	11.5
22/06/2015	22.0	0.7	22.7	19/03/2015	8.5	5.2	13.7
10/03/2015	21.6	0.6	22.2	27/05/2015		5.1	5.1
29/07/2015	21.5	0.3	21.8	30/01/2015	4.9	5.1	10.0
23/07/2015	21.3	0.6	21.9	1/11/2015	9.5	5.1	14.6
8/07/2015	21.2	2.4	23.6	12/03/2015	14.2	4.9	19.1
8/08/2015	21.2	0.1	21.3	31/10/2015	7.3	4.9	12.2
19/07/2015	21.1	3.0	24.1	18/09/2015	6.3	4.7	11.0
5/07/2015	20.9	1.9	22.8	19/06/2015	13.1	4.5	17.6
24/06/2015	20.7	2.2	22.9	16/12/2015	8.1	4.4	12.5
19/08/2015	20.5	0.7	21.2	9/01/2015	6.4	4.4	10.8

Table F-123: Scenario 6 – Receptor location 153a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	4.8	36.0				
21/07/2015	27.3	1.3	28.6				
22/07/2015	26.7	0.7	27.4				
30/06/2015	24.5	2.7	27.2	4/04/2015	2.7	12.0	14.7
28/06/2015	23.6	3.5	27.1	9/10/2015	5.7	8.1	13.8
6/06/2015	23.2	3.4	26.6	19/07/2015	21.1	7.7	28.8

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
9/08/2015	22.9	3.2	26.1	14/03/2015	5.5	7.3	12.8
22/06/2015	22.0	5.8	27.8	13/01/2015	3.9	7.1	11.0
10/03/2015	21.6	3.1	24.7	5/02/2015	5.5	6.9	12.4
29/07/2015	21.5	1.9	23.4	17/05/2015	4.9	6.8	11.7
23/07/2015	21.3	0.2	21.5	1/05/2015	4.4	6.8	11.2
8/07/2015	21.2	4.3	25.5	13/09/2015	9.1	6.8	15.9
8/08/2015	21.2	1.4	22.6	15/06/2015	12.9	6.7	19.6
19/07/2015	21.1	7.7	28.8	25/02/2015	4.2	6.6	10.8
5/07/2015	20.9	0.3	21.2	7/07/2015	14.9	6.6	21.5
24/06/2015	20.7	4.9	25.6	22/03/2015	4.1	6.6	10.7
19/08/2015	20.5	3.6	24.1	24/10/2015	5.1	6.4	11.5
21/08/2015	20.5	0.0	20.5	4/05/2015	6.1	6.2	12.3
4/06/2015	20.2	0.0	20.2	23/12/2015	3.1	6.1	9.2
5/06/2015	20.2	0.5	20.7	11/06/2015	11.5	6.1	17.6
3/07/2015	20.2	3.9	24.1	23/10/2015	3.6	6.0	9.6
29/06/2015	20.1	2.1	22.2	26/09/2015	5.2	5.9	11.1
25/05/2015	19.6	0.3	19.9	22/06/2015	22.0	5.8	27.8
2/06/2015	19.6	2.2	21.8	16/03/2015	5.9	5.8	11.7
21/06/2015	19.6	4.0	23.6	1/04/2015	4.4	5.7	10.1
4/07/2015	19.5	0.0	19.5	26/02/2015	5.2	5.7	10.9
24/05/2015	18.8	3.3	22.1	2/04/2015	4.4	5.6	10.0

Table F-124: Scenario 6 – Receptor location 257

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.2	32.4				
21/07/2015	27.3	0.9	28.2				
22/07/2015	26.7	0.9	27.6				
30/06/2015	24.5	0.8	25.3	27/05/2015		1.4	1.4
28/06/2015	23.6	0.2	23.8	9/01/2015	6.4	1.4	7.8
6/06/2015	23.2	0.4	23.6	25/05/2015	19.6	1.3	20.9
9/08/2015	22.9	0.7	23.6	16/06/2015	14.9	1.3	16.2
22/06/2015	22.0	1.0	23.0	13/09/2015	9.1	1.3	10.4
10/03/2015	21.6	0.0	21.6	14/06/2015	31.2	1.2	32.4
29/07/2015	21.5	0.4	21.9	13/06/2015	13.6	1.2	14.8
23/07/2015	21.3	1.0	22.3	29/06/2015	20.1	1.1	21.2
8/07/2015	21.2	0.1	21.3	15/04/2015	10.6	1.0	11.6
8/08/2015	21.2	0.1	21.3	22/06/2015	22.0	1.0	23.0

Table F-125: Scenario 6 – Receptor location 258a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	1.1	32.3				
21/07/2015	27.3	0.8	28.1				
22/07/2015	26.7	0.8	27.5				
30/06/2015	24.5	0.7	25.2	9/01/2015	6.4	1.7	8.1
28/06/2015	23.6	0.2	23.8	27/05/2015		1.3	1.3
6/06/2015	23.2	0.3	23.5	16/06/2015	14.9	1.2	16.1
9/08/2015	22.9	0.6	23.5	25/05/2015	19.6	1.2	20.8
22/06/2015	22.0	0.8	22.8	13/09/2015	9.1	1.1	10.2
10/03/2015	21.6	0.0	21.6	14/06/2015	31.2	1.1	32.3
29/07/2015	21.5	0.3	21.8	13/06/2015	13.6	1.0	14.6
23/07/2015	21.3	0.8	22.1	29/06/2015	20.1	1.0	21.1
8/07/2015	21.2	0.1	21.3	15/04/2015	10.6	0.9	11.5
8/08/2015	21.2	0.1	21.3	22/06/2015	22.0	0.8	22.8

Table F-126: Scenario 6 – Receptor location 272

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/06/2015	31.2	0.4	31.6				
21/07/2015	27.3	0.2	27.5				
22/07/2015	26.7	0.2	26.9				
30/06/2015	24.5	0.1	24.6	20/06/2015	14.4	0.5	14.9
28/06/2015	23.6	0.1	23.7	27/09/2015	7.3	0.5	7.8
6/06/2015	23.2	0.1	23.3	6/01/2015	5.4	0.5	5.9
9/08/2015	22.9	0.2	23.1	21/01/2015	4.4	0.5	4.9
22/06/2015	22.0	0.2	22.2	13/09/2015	9.1	0.5	9.6
10/03/2015	21.6	0.2	21.8	11/01/2015		0.5	0.5
29/07/2015	21.5	0.2	21.7	7/11/2015	5.4	0.4	5.8
23/07/2015	21.3	0.1	21.4	19/07/2015	21.1	0.4	21.5
8/07/2015	21.2	0.2	21.4	27/05/2015		0.4	0.4
8/08/2015	21.2	0.1	21.3	6/12/2015	5.3	0.4	5.7

Appendix G

Further Detail Regarding 24-hour PM_{10} Analysis

Table G-1: Scenario 1 – Receptor location 21

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.6	16.5	89.1				
26/11/2015	56.3	10.7	67.0				
10/03/2015	46.8	0.3	47.1	30/05/2015	10.7	27.0	37.7
12/12/2015	46.2	0.0	46.2	4/06/2015	16.6	25.5	42.1
7/10/2015	40.7	5.6	46.3	12/05/2015	11.3	25.0	36.3
15/12/2015	39.9	1.9	41.8	24/04/2015	11	24.7	35.7
11/03/2015	37.8	0.6	38.4	28/07/2015	16.4	24.3	40.7
22/07/2015	37.5	8.3	45.8	29/05/2015	11.5	24.0	35.5
17/10/2015	37.4	2.1	39.5	20/05/2015	9.6	23.7	33.3
9/03/2015	37.2	3.5	40.7	2/07/2015	12.7	22.8	35.5
9/02/2015	37.1	1.2	38.3	31/07/2015	21.2	22.6	43.8
11/12/2015	36.2	11.9	48.1	28/05/2015	ND	22.5	22.5
17/03/2015	35.7	0.9	36.6	18/06/2015	9	22.3	31.3
4/03/2015	35.6	0.3	35.9	5/06/2015	17.3	22.3	39.6
19/03/2015	34.5	7.4	41.9	27/06/2015	19.6	22.0	41.6
21/11/2015	34.5	1.6	36.1	30/07/2015	15.4	21.3	36.7
20/03/2015	33.7	9.6	43.3	5/07/2015	18.5	21.0	39.5
7/03/2015	33.6	5.7	39.3	27/04/2015	12.6	21.0	33.6
10/10/2015	33.1	5.3	38.4	6/10/2015	28	20.7	48.7
5/03/2015	33	6.7	39.7	8/06/2015	9.2	20.2	29.4
24/11/2015	33	0.0	33.0	5/05/2015	10.7	20.0	30.7
17/04/2015	32.8	0.8	33.6	11/07/2015	10.7	19.6	30.3
15/04/2015	32.5	3.3	35.8	19/11/2015	20.9	19.6	40.5
14/12/2015	31.7	2.3	34.0	31/05/2015	8.4	19.5	27.9
29/03/2015	31.2	1.1	32.3	7/06/2015	14.6	19.2	33.8
12/03/2015	31	8.5	39.5	8/05/2015	17	18.9	35.9

ND – No data

Table G-2: Scenario 1 – Receptor location 35b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	11.4	84.3				
26/11/2015	50.9	5.6	56.5				
10/03/2015	49.1	0.4	49.5	1/07/2015	11.1	20.0	31.1
15/12/2015	42.3	0.7	43.0	24/04/2015	8.8	18.5	27.3
12/12/2015	41.5	1.5	43.0	27/03/2015	22.6	18.1	40.7
7/10/2015	38.3	2.0	40.3	31/05/2015	5.1	16.2	21.3

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
9/03/2015	37.4	2.4	39.8	3/08/2015	9	16.0	25.0
11/12/2015	36.3	11.0	47.3	30/05/2015	9.8	15.6	25.4
4/03/2015	35.6	0.4	36.0	28/05/2015	12.2	14.5	26.7
9/02/2015	35.1	0.7	35.8	6/04/2015	7.7	14.5	22.2
17/10/2015	35	0.9	35.9	27/07/2015	8.6	14.0	22.6
19/03/2015	34.2	6.0	40.2	16/04/2015	18.4	13.9	32.3

Table G-3: Scenario 1 – Receptor location 43

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.4	46.9	15/04/2015	24	7.2	31.2
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	5.0	17.9
7/10/2015	41.5	0.1	41.6	13/06/2015	13.9	4.4	18.3
15/12/2015	41.3	1.5	42.8	13/09/2015	18.5	4.3	22.8
12/12/2015	39.7	0.0	39.7	3/01/2015	12.2	4.1	16.3
9/02/2015	33.2	0.8	34.0	4/09/2015	9.9	4.0	13.9
11/03/2015	32.6	0.6	33.2	19/07/2015	14.9	3.9	18.8
9/03/2015	32.3	0.7	33.0	9/01/2015	17.7	3.9	21.6
21/11/2015	31.8	0.5	32.3	26/02/2015	17.7	3.9	21.6
4/03/2015	31	0.3	31.3	20/06/2015	8.8	3.7	12.5

Table G-4: Scenario 1 – Receptor location 43b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.2	46.7	15/04/2015	24	4.0	28.0
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	3.2	16.1
7/10/2015	41.5	0.1	41.6	13/06/2015	13.9	2.8	16.7
15/12/2015	41.3	0.8	42.1	15/06/2015	16.4	2.5	18.9
12/12/2015	39.7	0.0	39.7	13/09/2015	18.5	2.5	21.0
9/02/2015	33.2	0.5	33.7	4/09/2015	9.9	2.4	12.3
11/03/2015	32.6	0.3	32.9	27/05/2015	12.1	2.4	14.5
9/03/2015	32.3	0.4	32.7	26/02/2015	17.7	2.4	20.1
21/11/2015	31.8	0.3	32.1	9/01/2015	17.7	2.3	20.0
4/03/2015	31	0.2	31.2	19/07/2015	14.9	2.1	17.0

Table G-5: Scenario 1 – Receptor location 47

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.2	46.7	19/10/2015	17.3	2.5	19.8
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	2.4	15.3
7/10/2015	41.5	0.1	41.6	3/01/2015	12.2	2.4	14.6
15/12/2015	41.3	0.9	42.2	13/06/2015	13.9	2.3	16.2
12/12/2015	39.7	0.1	39.8	8/01/2015	18.3	2.3	20.6
9/02/2015	33.2	0.4	33.6	20/06/2015	8.8	2.2	11.0
11/03/2015	32.6	0.4	33.0	19/07/2015	14.9	2.1	17.0
9/03/2015	32.3	0.3	32.6	13/09/2015	18.5	2.0	20.5
21/11/2015	31.8	0.4	32.2	15/04/2015	24	2.0	26.0
4/03/2015	31	0.2	31.2	6/12/2015	21	1.9	22.9

Table G-6: Scenario 1 – Receptor location 67

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	10.9	83.8				
26/11/2015	50.9	8.4	59.3				
10/03/2015	49.1	0.5	49.6	1/07/2015	11.1	22.6	33.7
15/12/2015	42.3	0.8	43.1	27/03/2015	22.6	19.3	41.9
12/12/2015	41.5	1.8	43.3	24/04/2015	8.8	17.9	26.7
7/10/2015	38.3	2.2	40.5	14/01/2015	8.2	17.6	25.8
9/03/2015	37.4	2.1	39.5	16/04/2015	18.4	17.1	35.5
11/12/2015	36.3	13.9	50.2	28/05/2015	12.2	16.3	28.5
4/03/2015	35.6	0.4	36.0	31/05/2015	5.1	15.8	20.9
9/02/2015	35.1	0.8	35.9	6/04/2015	7.7	15.4	23.1
17/10/2015	35	0.9	35.9	3/08/2015	9	15.3	24.3
7/03/2015	34.2	5.7	39.9	25/08/2015	4.6	15.3	19.9

Table G-7: Scenario 1 – Receptor location 102

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	8.1	81.0				
26/11/2015	50.9	9.7	60.6				
10/03/2015	49.1	0.8	49.9	28/05/2015	12.2	23.2	35.4
15/12/2015	42.3	0.8	43.1	1/07/2015	11.1	21.5	32.6
12/12/2015	41.5	2.6	44.1	14/01/2015	8.2	20.5	28.7
7/10/2015	38.3	3.5	41.8	27/05/2015	13.7	18.9	32.6
9/03/2015	37.4	2.0	39.4	24/04/2015	8.8	18.3	27.1
11/12/2015	36.3	14.9	51.2	19/06/2015	9.1	18.2	27.3
4/03/2015	35.6	0.5	36.1	25/01/2015	12.2	18.1	30.3
9/02/2015	35.1	1.2	36.3	4/10/2015	20.9	18.0	38.9
17/10/2015	35.0	0.9	35.9	6/04/2015	7.7	17.9	25.6
7/03/2015	34.2	8.0	42.2	11/07/2015	6.4	17.5	23.9
19/03/2015	34.2	11.0	45.2	23/04/2015	7.5	17.4	24.9
11/03/2015	34.0	0.7	34.7	5/06/2015	10.0	17.3	27.3
17/04/2015	33.4	2.0	35.4	16/04/2015	18.4	17.2	35.6
8/03/2015	33.3	2.3	35.6	4/08/2015	7.9	16.8	24.7
17/03/2015	33.2	0.7	33.9	18/08/2015	12.5	16.3	28.8

Table G-8: Scenario 1 – Receptor location 108

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	8.4	81.3				
26/11/2015	50.9	10.4	61.3				
10/03/2015	49.1	0.9	50.0	28/05/2015	12.2	26.5	38.7
15/12/2015	42.3	0.9	43.2	1/07/2015	11.1	23.0	34.1
12/12/2015	41.5	2.8	44.3	14/01/2015	8.2	21.5	29.7
7/10/2015	38.3	4.1	42.4	27/05/2015	13.7	21.4	35.1
9/03/2015	37.4	2.2	39.6	19/06/2015	9.1	19.8	28.9
11/12/2015	36.3	15.9	52.2	11/07/2015	6.4	19.5	25.9
4/03/2015	35.6	0.6	36.2	24/04/2015	8.8	19.5	28.3
9/02/2015	35.1	1.4	36.5	25/01/2015	12.2	19.0	31.2
17/10/2015	35.0	0.9	35.9	23/04/2015	7.5	19.0	26.5
7/03/2015	34.2	8.9	43.1	4/10/2015	20.9	18.9	39.8
19/03/2015	34.2	12.1	46.3	6/04/2015	7.7	18.8	26.5
11/03/2015	34.0	0.8	34.8	5/06/2015	10.0	18.8	28.8
17/04/2015	33.4	2.1	35.5	16/04/2015	18.4	18.0	36.4
8/03/2015	33.3	2.7	36.0	23/07/2015	13.5	18.0	31.5
17/03/2015	33.2	0.8	34.0	4/08/2015	7.9	17.7	25.6
30/11/2015	32.5	7.7	40.2	18/08/2015	12.5	17.2	29.7

Table G-9: Scenario 1 – Receptor location 112

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	9.1	82.0				
26/11/2015	50.9	11.8	62.7				
10/03/2015	49.1	1.0	50.1	28/05/2015	12.2	30.6	42.8
15/12/2015	42.3	1.2	43.5	1/07/2015	11.1	25.7	36.8
12/12/2015	41.5	2.9	44.4	27/05/2015	13.7	24.7	38.4
7/10/2015	38.3	5.0	43.3	14/01/2015	8.2	23.3	31.5
9/03/2015	37.4	2.3	39.7	11/07/2015	6.4	22.5	28.9
11/12/2015	36.3	17.3	53.6	19/06/2015	9.1	22.2	31.3
4/03/2015	35.6	0.6	36.2	23/04/2015	7.5	21.4	28.9
9/02/2015	35.1	1.7	36.8	24/04/2015	8.8	21.1	29.9
17/10/2015	35	1.1	36.1	25/01/2015	12.2	20.8	33.0
7/03/2015	34.2	10.0	44.2	23/07/2015	13.5	20.7	34.2
19/03/2015	34.2	13.4	47.6	5/06/2015	10	20.7	30.7
11/03/2015	34	0.8	34.8	6/04/2015	7.7	20.6	28.3
17/04/2015	33.4	2.3	35.7	4/10/2015	20.9	20.3	41.2

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
8/03/2015	33.3	3.4	36.7	16/04/2015	18.4	19.8	38.2
17/03/2015	33.2	0.9	34.1	24/06/2015	19	19.2	38.2
30/11/2015	32.5	8.2	40.7	4/08/2015	7.9	19.2	27.1
14/12/2015	32.1	4.7	36.8	5/07/2015	12.8	19.2	32.0
12/03/2015	31.8	15.6	47.4	5/04/2015	8.3	19.0	27.3
20/03/2015	31.8	11.7	43.5	18/08/2015	12.5	19.0	31.5
21/11/2015	31.1	0.3	31.4	15/07/2015	8.4	18.6	27.0

Table G-10: Scenario 1 – Receptor location 118

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	8.5	81.4				
26/11/2015	50.9	10.5	61.4				
10/03/2015	49.1	1.0	50.1	28/05/2015	12.2	29.8	42.0
15/12/2015	42.3	1.0	43.3	27/05/2015	13.7	24.5	38.2
12/12/2015	41.5	3.2	44.7	1/07/2015	11.1	23.6	34.7
7/10/2015	38.3	4.8	43.1	11/07/2015	6.4	21.4	27.8
9/03/2015	37.4	2.4	39.8	14/01/2015	8.2	21.4	29.6
11/12/2015	36.3	16.6	52.9	19/06/2015	9.1	21.2	30.3
4/03/2015	35.6	0.6	36.2	5/06/2015	10	20.4	30.4
9/02/2015	35.1	1.6	36.7	23/04/2015	7.5	20.0	27.5
17/10/2015	35	1.0	36.0	23/07/2015	13.5	20.0	33.5
7/03/2015	34.2	9.9	44.1	24/04/2015	8.8	19.9	28.7
19/03/2015	34.2	13.4	47.6	6/04/2015	7.7	19.6	27.3
11/03/2015	34	0.8	34.8	4/10/2015	20.9	19.5	40.4
17/04/2015	33.4	2.3	35.7	25/01/2015	12.2	19.2	31.4
8/03/2015	33.3	3.1	36.4	24/06/2015	19	19.0	38.0
17/03/2015	33.2	0.9	34.1	5/07/2015	12.8	18.3	31.1
30/11/2015	32.5	7.6	40.1	5/04/2015	8.3	18.1	26.4
14/12/2015	32.1	4.4	36.5	15/07/2015	8.4	18.0	26.4
12/03/2015	31.8	15.5	47.3	2/06/2015	11	17.9	28.9

Table G-11: Scenario 1 – Receptor location 120

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	8.5	81.4				
26/11/2015	50.9	9.5	60.4				
10/03/2015	49.1	1.0	50.1	28/05/2015	12.2	28.4	40.6
15/12/2015	42.3	0.9	43.2	27/05/2015	13.7	24.0	37.7
12/12/2015	41.5	3.3	44.8	1/07/2015	11.1	22.8	33.9
7/10/2015	38.3	4.5	42.8	11/07/2015	6.4	20.6	27.0
9/03/2015	37.4	2.4	39.8	19/06/2015	9.1	20.5	29.6
11/12/2015	36.3	16.0	52.3	14/01/2015	8.2	20.1	28.3
4/03/2015	35.6	0.6	36.2	5/06/2015	10.0	20.0	30.0
9/02/2015	35.1	1.6	36.7	23/07/2015	13.5	19.4	32.9
17/10/2015	35.0	0.9	35.9	23/04/2015	7.5	19.1	26.6
7/03/2015	34.2	9.5	43.7	6/04/2015	7.7	19.1	26.8
19/03/2015	34.2	13.3	47.5	4/10/2015	20.9	18.8	39.7
11/03/2015	34.0	0.8	34.8	24/04/2015	8.8	18.8	27.6
17/04/2015	33.4	2.3	35.7	24/06/2015	19.0	18.7	37.7
8/03/2015	33.3	2.9	36.2	25/01/2015	12.2	18.3	30.5
17/03/2015	33.2	0.8	34.0	15/07/2015	8.4	17.5	25.9
30/11/2015	32.5	7.1	39.6	5/07/2015	12.8	17.3	30.1

Table G-12: Scenario 1 – Receptor location 120c

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	8.5	81.4				
26/11/2015	50.9	9.7	60.6				
10/03/2015	49.1	1.0	50.1	28/05/2015	12.2	29.3	41.5
15/12/2015	42.3	0.9	43.2	27/05/2015	13.7	24.8	38.5
12/12/2015	41.5	3.4	44.9	1/07/2015	11.1	23.2	34.3
7/10/2015	38.3	4.7	43.0	11/07/2015	6.4	21.2	27.6
9/03/2015	37.4	2.5	39.9	19/06/2015	9.1	21.0	30.1
11/12/2015	36.3	16.3	52.6	5/06/2015	10.0	20.4	30.4
4/03/2015	35.6	0.6	36.2	14/01/2015	8.2	20.3	28.5
9/02/2015	35.1	1.6	36.7	23/07/2015	13.5	19.9	33.4
17/10/2015	35.0	0.9	35.9	23/04/2015	7.5	19.5	27.0
7/03/2015	34.2	9.8	44.0	6/04/2015	7.7	19.5	27.2
19/03/2015	34.2	13.6	47.8	24/06/2015	19.0	19.2	38.2
11/03/2015	34.0	0.8	34.8	24/04/2015	8.8	19.1	27.9
17/04/2015	33.4	2.4	35.8	4/10/2015	20.9	19.0	39.9

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
8/03/2015	33.3	3.0	36.3	25/01/2015	12.2	18.5	30.7
17/03/2015	33.2	0.8	34.0	15/07/2015	8.4	17.9	26.3
30/11/2015	32.5	7.2	39.7	5/07/2015	12.8	17.8	30.6
14/12/2015	32.1	4.4	36.5	5/04/2015	8.3	17.7	26.0

Table G-13: Scenario 1 – Receptor location 121

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	8.7	81.6				
26/11/2015	50.9	9.8	60.7				
10/03/2015	49.1	1.0	50.1	28/05/2015	12.2	30.8	43.0
15/12/2015	42.3	1.0	43.3	27/05/2015	13.7	26.2	39.9
12/12/2015	41.5	3.6	45.1	1/07/2015	11.1	23.9	35.0
7/10/2015	38.3	5.0	43.3	11/07/2015	6.4	22.1	28.5
9/03/2015	37.4	2.5	39.9	19/06/2015	9.1	21.7	30.8
11/12/2015	36.3	16.7	53.0	5/06/2015	10	21.1	31.1
4/03/2015	35.6	0.6	36.2	23/07/2015	13.5	20.9	34.4
9/02/2015	35.1	1.7	36.8	14/01/2015	8.2	20.5	28.7
17/10/2015	35	1.0	36.0	23/04/2015	7.5	20.1	27.6
7/03/2015	34.2	10.3	44.5	24/06/2015	19	20.1	39.1
19/03/2015	34.2	14.2	48.4	6/04/2015	7.7	20.0	27.7
11/03/2015	34	0.9	34.9	24/04/2015	8.8	19.5	28.3
17/04/2015	33.4	2.5	35.9	4/10/2015	20.9	19.3	40.2
8/03/2015	33.3	3.2	36.5	25/01/2015	12.2	18.7	30.9
17/03/2015	33.2	0.9	34.1	2/06/2015	11	18.6	29.6
30/11/2015	32.5	7.2	39.7	15/07/2015	8.4	18.6	27.0
14/12/2015	32.1	4.5	36.6	5/07/2015	12.8	18.4	31.2
12/03/2015	31.8	15.7	47.5	20/06/2015	9.6	18.4	28.0
20/03/2015	31.8	11.2	43.0	5/04/2015	8.3	18.3	26.6
21/11/2015	31.1	0.1	31.2	23/06/2015	10.3	17.9	28.2

Table G-14: Scenario 1 – Receptor location 136

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	1.0	65.8				
10/03/2015	46.5	1.2	47.7	1/06/2015	6.2	17.9	24.1
26/11/2015	45.1	2.4	47.5	9/06/2015	10	16.5	26.5
7/10/2015	41.5	0.1	41.6	18/08/2015	10.6	16.1	26.7
15/12/2015	41.3	0.3	41.6	5/04/2015	6.5	13.4	19.9
12/12/2015	39.7	9.4	49.1	13/05/2015	9.4	13.0	22.4
9/02/2015	33.2	0.9	34.1	27/05/2015	12.1	12.5	24.6
11/03/2015	32.6	1.0	33.6	4/09/2015	9.9	12.5	22.4
9/03/2015	32.3	1.0	33.3	19/06/2015	7.3	11.9	19.2
21/11/2015	31.8	0.0	31.8	25/01/2015	ND	11.7	11.7
4/03/2015	31	0.7	31.7	5/03/2015	26.9	11.5	38.4

Table G-15: Scenario 1 – Receptor location 140a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.1	64.9				
10/03/2015	46.5	0.8	47.3	1/06/2015	6.2	11.8	18.0
26/11/2015	45.1	0.4	45.5	13/05/2015	9.4	8.7	18.1
7/10/2015	41.5	0.0	41.5	7/11/2015	12.2	7.8	20.0
15/12/2015	41.3	0.2	41.5	27/05/2015	12.1	7.6	19.7
12/12/2015	39.7	6.3	46.0	19/06/2015	7.3	7.2	14.5
9/02/2015	33.2	0.5	33.7	12/03/2015	29.9	7.0	36.9
11/03/2015	32.6	0.7	33.3	19/03/2015	23.5	6.9	30.4
9/03/2015	32.3	0.8	33.1	5/03/2015	26.9	6.8	33.7
21/11/2015	31.8	0.0	31.8	9/06/2015	10	6.8	16.8
4/03/2015	31	0.7	31.7	5/04/2015	6.5	6.7	13.2

Table G-16: Scenario 1 – Receptor location 143a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	2.8	49.3	21/04/2015	2.5	14.0	16.5
26/11/2015	45.1	0.1	45.2	16/06/2015	12.9	13.2	26.1
7/10/2015	41.5	0.1	41.6	25/06/2015	8.8	12.3	21.1
15/12/2015	41.3	0.2	41.5	3/07/2015	17.2	12.1	29.3
12/12/2015	39.7	6.1	45.8	27/02/2015	19.8	10.6	30.4
9/02/2015	33.2	1.5	34.7	18/09/2015	15	10.6	25.6
11/03/2015	32.6	2.3	34.9	31/10/2015	19.7	10.0	29.7
9/03/2015	32.3	1.9	34.2	9/01/2015	17.7	9.9	27.6
21/11/2015	31.8	0.0	31.8	22/07/2015	29.2	9.6	38.8
4/03/2015	31	0.9	31.9	23/05/2015	12.6	9.4	22.0

Table G-17: Scenario 1 – Receptor location 147

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	7.3	53.8	23/05/2015	12.6	28.7	41.3
26/11/2015	45.1	0.3	45.4	16/06/2015	12.9	26.5	39.4
7/10/2015	41.5	0.2	41.7	22/07/2015	29.2	26.4	55.6
15/12/2015	41.3	0.3	41.6	19/09/2015	13.5	22.8	36.3
12/12/2015	39.7	1.4	41.1	27/02/2015	19.8	21.9	41.7
9/02/2015	33.2	5.6	38.8	31/10/2015	19.7	19.8	39.5
11/03/2015	32.6	8.1	40.7	10/01/2015	19.2	18.6	37.8
9/03/2015	32.3	4.7	37.0	26/05/2015	11.1	17.7	28.8
21/11/2015	31.8	0.0	31.8	8/07/2015	13.3	17.6	30.9
4/03/2015	31	1.3	32.3	3/07/2015	17.2	16.7	33.9

Table G-18: Scenario 1 – Receptor location 153a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	5.6	52.1	4/04/2015	4.6	14.0	18.6
26/11/2015	45.1	0.8	45.9	1/05/2015	8.4	11.2	19.6
7/10/2015	41.5	1.6	43.1	13/01/2015	14	11.0	25.0
15/12/2015	41.3	2.9	44.2	11/06/2015	15.6	9.5	25.1
12/12/2015	39.7	2.6	42.3	17/05/2015	9.2	9.5	18.7
9/02/2015	33.2	2.8	36.0	4/05/2015	12.1	9.5	21.6
11/03/2015	32.6	8.9	41.5	1/04/2015	14.5	9.4	23.9
9/03/2015	32.3	2.2	34.5	23/10/2015	16.6	9.4	26.0
21/11/2015	31.8	3.4	35.2	5/02/2015	18.4	9.4	27.8
4/03/2015	31	7.4	38.4	22/03/2015	12.2	9.2	21.4

Table G-19: Scenario 1 – Receptor location 257

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.1	46.6	9/01/2015	17.7	6.0	23.7
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	4.1	17.0
7/10/2015	41.5	0.1	41.6	15/04/2015	24	3.4	27.4
15/12/2015	41.3	1.0	42.3	13/06/2015	13.9	3.3	17.2
12/12/2015	39.7	0.0	39.7	14/06/2015	14.5	3.3	17.8
9/02/2015	33.2	0.7	33.9	15/06/2015	16.4	3.2	19.6
11/03/2015	32.6	0.2	32.8	13/09/2015	18.5	3.1	21.6
9/03/2015	32.3	0.2	32.5	27/05/2015	12.1	2.9	15.0
21/11/2015	31.8	0.0	31.8	4/09/2015	9.9	2.8	12.7
4/03/2015	31	0.1	31.1	29/06/2015	14	2.5	16.5

Table G-20: Scenario 1 – Receptor location 258a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.1	46.6	9/01/2015	17.7	6.9	24.6
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	3.7	16.6
7/10/2015	41.5	0.1	41.6	15/04/2015	24	3.0	27.0
15/12/2015	41.3	0.9	42.2	13/06/2015	13.9	2.9	16.8
12/12/2015	39.7	0.0	39.7	15/06/2015	16.4	2.8	19.2
9/02/2015	33.2	0.6	33.8	13/09/2015	18.5	2.6	21.1
11/03/2015	32.6	0.2	32.8	14/06/2015	14.5	2.6	17.1
9/03/2015	32.3	0.2	32.5	27/05/2015	12.1	2.5	14.6
21/11/2015	31.8	0.0	31.8	4/09/2015	9.9	2.5	12.4
4/03/2015	31	0.1	31.1	3/01/2015	12.2	2.3	14.5

Table G-21: Scenario 1 – Receptor location 272

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	1.0	47.5	3/12/2015	21.3	3.2	24.5
26/11/2015	45.1	0.1	45.2	18/10/2015	22.6	2.8	25.4
7/10/2015	41.5	0.7	42.2	23/12/2015	10.3	2.7	13.0
15/12/2015	41.3	1.8	43.1	5/02/2015	18.4	2.4	20.8
12/12/2015	39.7	0.7	40.4	20/06/2015	8.8	2.4	11.2
9/02/2015	33.2	1.1	34.3	16/03/2015	25	2.3	27.3
11/03/2015	32.6	1.3	33.9	24/12/2015	13.7	2.2	15.9
9/03/2015	32.3	0.6	32.9	10/02/2015	15.5	2.2	17.7
21/11/2015	31.8	0.7	32.5	2/03/2015	22.2	2.2	24.4
4/03/2015	31	0.9	31.9	22/12/2015	3.7	2.2	5.9

Table G-22: Scenario 2 – Receptor location 21

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.6	16.0	88.6				
26/11/2015	56.3	10.3	66.6				
10/03/2015	46.8	0.3	47.1	30/05/2015	10.7	27.5	38.2
12/12/2015	46.2	0.0	46.2	4/06/2015	16.6	25.0	41.6
7/10/2015	40.7	6.7	47.4	27/06/2015	19.6	23.8	43.4
15/12/2015	39.9	2.2	42.1	24/04/2015	11	23.4	34.4
11/03/2015	37.8	0.6	38.4	28/07/2015	16.4	22.8	39.2
22/07/2015	37.5	8.1	45.6	28/05/2015	ND	22.5	22.5
17/10/2015	37.4	2.4	39.8	29/05/2015	11.5	22.1	33.6
9/03/2015	37.2	3.6	40.8	12/05/2015	11.3	21.8	33.1
9/02/2015	37.1	1.1	38.2	20/05/2015	9.6	21.7	31.3
11/12/2015	36.2	11.2	47.4	31/07/2015	21.2	20.9	42.1
17/03/2015	35.7	1.0	36.7	18/06/2015	9	20.8	29.8
4/03/2015	35.6	0.3	35.9	5/07/2015	18.5	20.6	39.1
19/03/2015	34.5	7.7	42.2	2/07/2015	12.7	20.5	33.2
21/11/2015	34.5	2.0	36.5	5/06/2015	17.3	20.4	37.7
20/03/2015	33.7	10.2	43.9	30/07/2015	15.4	20.2	35.6
7/03/2015	33.6	6.2	39.8	7/06/2015	14.6	20.1	34.7
10/10/2015	33.1	5.6	38.7	11/07/2015	10.7	19.8	30.5
5/03/2015	33	7.0	40.0	8/06/2015	9.2	19.3	28.5
24/11/2015	33	0.0	33.0	3/06/2015	19.4	19.2	38.6
17/04/2015	32.8	0.8	33.6	2/08/2015	18.4	18.9	37.3
15/04/2015	32.5	3.9	36.4	6/10/2015	28	18.8	46.8
14/12/2015	31.7	2.6	34.3	19/11/2015	20.9	18.7	39.6
29/03/2015	31.2	1.3	32.5	8/05/2015	17	18.7	35.7

Table G-23: Scenario 2 – Receptor location 35b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	13.4	86.3				
26/11/2015	50.9	6.3	57.2				
10/03/2015	49.1	0.4	49.5	1/07/2015	11.1	22.2	33.3
15/12/2015	42.3	1.0	43.3	24/04/2015	8.8	19.0	27.8
12/12/2015	41.5	1.2	42.7	27/03/2015	22.6	18.8	41.4
7/10/2015	38.3	3.0	41.3	30/05/2015	9.8	16.3	26.1
9/03/2015	37.4	2.5	39.9	3/08/2015	9	15.8	24.8
11/12/2015	36.3	11.6	47.9	25/08/2015	4.6	15.8	20.4

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
4/03/2015	35.6	0.4	36.0	28/05/2015	12.2	15.7	27.9
9/02/2015	35.1	0.8	35.9	31/05/2015	5.1	15.4	20.5
17/10/2015	35	1.2	36.2	6/04/2015	7.7	15.3	23.0
7/03/2015	34.2	5.7	39.9	18/06/2015	5	15.2	20.2

Table G-24: Scenario 2 – Receptor location 43

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.6	47.1	15/04/2015	24	8.9	32.9
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	6.2	19.1
7/10/2015	41.5	0.2	41.7	13/06/2015	13.9	5.2	19.1
15/12/2015	41.3	1.8	43.1	9/01/2015	17.7	5.0	22.7
12/12/2015	39.7	0.0	39.7	26/02/2015	17.7	5.0	22.7
9/02/2015	33.2	0.8	34.0	20/06/2015	8.8	4.8	13.6
11/03/2015	32.6	0.7	33.3	15/06/2015	16.4	4.7	21.1
9/03/2015	32.3	0.9	33.2	3/01/2015	12.2	4.7	16.9
21/11/2015	31.8	0.8	32.6	13/09/2015	18.5	4.7	23.2
4/03/2015	31	0.4	31.4	19/07/2015	14.9	4.7	19.6

Table G-25: Scenario 2 – Receptor location 43b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.3	46.8	15/04/2015	24	4.6	28.6
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	3.9	16.8
7/10/2015	41.5	0.1	41.6	13/06/2015	13.9	3.3	17.2
15/12/2015	41.3	1.0	42.3	15/06/2015	16.4	3.2	19.6
12/12/2015	39.7	0.0	39.7	27/05/2015	12.1	2.9	15.0
9/02/2015	33.2	0.5	33.7	26/02/2015	17.7	2.7	20.4
11/03/2015	32.6	0.3	32.9	9/01/2015	17.7	2.6	20.3
9/03/2015	32.3	0.4	32.7	13/09/2015	18.5	2.6	21.1
21/11/2015	31.8	0.6	32.4	4/09/2015	9.9	2.6	12.5
4/03/2015	31	0.2	31.2	20/06/2015	8.8	2.5	11.3

Table G-26: Scenario 2 – Receptor location 47

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.3	46.8	16/06/2015	12.9	3.0	15.9
26/11/2015	45.1	0.0	45.1	19/10/2015	17.3	3.0	20.3
7/10/2015	41.5	0.1	41.6	13/06/2015	13.9	2.7	16.6
15/12/2015	41.3	1.1	42.4	20/06/2015	8.8	2.6	11.4
12/12/2015	39.7	0.1	39.8	8/01/2015	18.3	2.6	20.9
9/02/2015	33.2	0.4	33.6	3/01/2015	12.2	2.6	14.8
11/03/2015	32.6	0.5	33.1	15/04/2015	24	2.5	26.5
9/03/2015	32.3	0.4	32.7	15/06/2015	16.4	2.5	18.9
21/11/2015	31.8	0.5	32.3	27/09/2015	12.3	2.4	14.7
4/03/2015	31	0.3	31.3	19/07/2015	14.9	2.4	17.3

Table G-27: Scenario 2 – Receptor location 67

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	12.5	85.4				
26/11/2015	50.9	10.0	60.9	1/07/2015	11.1	23.5	34.6
10/03/2015	49.1	0.6	49.7	24/04/2015	8.8	19.0	27.8
15/12/2015	42.3	1.2	43.5	28/05/2015	12.2	18.0	30.2
12/12/2015	41.5	1.5	43.0	27/03/2015	22.6	17.9	40.5
7/10/2015	38.3	3.3	41.6	14/01/2015	8.2	17.6	25.8
9/03/2015	37.4	2.7	40.1	19/06/2015	9.1	17.6	26.7
11/12/2015	36.3	13.6	49.9	25/08/2015	4.6	17.2	21.8
4/03/2015	35.6	0.5	36.1	31/05/2015	5.1	16.8	21.9
9/02/2015	35.1	1.0	36.1	16/04/2015	18.4	16.6	35.0
17/10/2015	35	1.2	36.2	27/05/2015	13.7	16.6	30.3
7/03/2015	34.2	6.6	40.8	6/04/2015	7.7	16.1	23.8
19/03/2015	34.2	9.1	43.3	11/07/2015	6.4	15.8	22.2
11/03/2015	34	0.6	34.6	5/07/2015	12.8	15.8	28.6

Table G-28: Scenario 2 – Receptor location 102

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	11.4	84.3				
26/11/2015	50.9	10.9	61.8				
10/03/2015	49.1	1.0	50.1	1/07/2015	11.1	27.3	38.4
15/12/2015	42.3	1.8	44.1	27/05/2015	13.7	27.1	40.8
12/12/2015	41.5	2.4	43.9	28/05/2015	12.2	26.9	39.1
7/10/2015	38.3	4.1	42.4	19/06/2015	9.1	23.8	32.9
9/03/2015	37.4	2.8	40.2	11/07/2015	6.4	22.2	28.6
11/12/2015	36.3	16.8	53.1	5/06/2015	10.0	22.1	32.1
4/03/2015	35.6	0.6	36.2	23/07/2015	13.5	22.0	35.5
9/02/2015	35.1	1.8	36.9	15/07/2015	8.4	21.1	29.5
17/10/2015	35.0	1.3	36.3	23/04/2015	7.5	20.9	28.4
7/03/2015	34.2	9.6	43.8	25/05/2015	12.2	20.4	32.6
19/03/2015	34.2	13.8	48.0	14/01/2015	8.2	20.4	28.6
11/03/2015	34.0	0.8	34.8	5/07/2015	12.8	20.2	33.0
17/04/2015	33.4	2.3	35.7	30/05/2015	9.8	20.2	30.0
8/03/2015	33.3	4.6	37.9	20/06/2015	9.6	19.1	28.7
17/03/2015	33.2	1.1	34.3	30/08/2015	10.3	19.0	29.3
30/11/2015	32.5	7.6	40.1	6/04/2015	7.7	18.8	26.5
14/12/2015	32.1	5.4	37.5	25/01/2015	12.2	18.3	30.5

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
12/03/2015	31.8	13.8	45.6	27/03/2015	22.6	18.3	40.9
20/03/2015	31.8	10.2	42.0	7/06/2015	11.0	18.2	29.2
21/11/2015	31.1	0.9	32.0	16/04/2015	18.4	18.0	36.4

Table G-29: Scenario 2 – Receptor location 108

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	12.2	85.1				
26/11/2015	50.9	11.2	62.1				
10/03/2015	49.1	1.1	50.2	27/05/2015	13.7	29.8	43.5
15/12/2015	42.3	2.2	44.5	1/07/2015	11.1	29.1	40.2
12/12/2015	41.5	2.5	44.0	28/05/2015	12.2	29.0	41.2
7/10/2015	38.3	4.6	42.9	19/06/2015	9.1	25.7	34.8
9/03/2015	37.4	3.0	40.4	11/07/2015	6.4	24.2	30.6
11/12/2015	36.3	17.5	53.8	23/07/2015	13.5	24.1	37.6
4/03/2015	35.6	0.6	36.2	5/06/2015	10.0	23.5	33.5
9/02/2015	35.1	2.1	37.2	25/05/2015	12.2	23.3	35.5
17/10/2015	35.0	1.4	36.4	15/07/2015	8.4	22.8	31.2
7/03/2015	34.2	10.1	44.3	23/04/2015	7.5	22.4	29.9
19/03/2015	34.2	15.0	49.2	5/07/2015	12.8	21.7	34.5
11/03/2015	34.0	0.9	34.9	14/01/2015	8.2	21.3	29.5
17/04/2015	33.4	2.4	35.8	30/05/2015	9.8	21.3	31.1
8/03/2015	33.3	5.2	38.5	20/06/2015	9.6	20.6	30.2
17/03/2015	33.2	1.3	34.5	30/08/2015	10.3	20.5	30.8
30/11/2015	32.5	8.2	40.7	6/04/2015	7.7	20.1	27.8
14/12/2015	32.1	5.8	37.9	7/06/2015	11.0	20.0	31.0
12/03/2015	31.8	14.3	46.1	27/03/2015	22.6	19.3	41.9
20/03/2015	31.8	11.3	43.1	25/01/2015	12.2	19.2	31.4
21/11/2015	31.1	0.9	32.0	16/04/2015	18.4	18.7	37.1

Table G-30: Scenario 2 – Receptor location 112

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	13.6	86.5				
26/11/2015	50.9	11.7	62.6	27/05/2015	13.7	32.6	46.3
10/03/2015	49.1	1.2	50.3	28/05/2015	12.2	31.5	43.7
15/12/2015	42.3	2.6	44.9	1/07/2015	11.1	31.3	42.4
12/12/2015	41.5	2.6	44.1	19/06/2015	9.1	28.1	37.2
7/10/2015	38.3	5.3	43.6	23/07/2015	13.5	26.7	40.2
9/03/2015	37.4	3.3	40.7	25/05/2015	12.2	26.7	38.9
11/12/2015	36.3	18.7	55.0	11/07/2015	6.4	26.5	32.9
4/03/2015	35.6	0.6	36.2	5/06/2015	10	25.1	35.1
9/02/2015	35.1	2.4	37.5	15/07/2015	8.4	24.9	33.3
17/10/2015	35	1.6	36.6	23/04/2015	7.5	24.1	31.6
7/03/2015	34.2	10.8	45.0	5/07/2015	12.8	23.5	36.3
19/03/2015	34.2	16.4	50.6	14/01/2015	8.2	22.6	30.8
11/03/2015	34	0.9	34.9	20/06/2015	9.6	22.6	32.2
17/04/2015	33.4	2.6	36.0	6/04/2015	7.7	22.5	30.2
8/03/2015	33.3	6.1	39.4	30/08/2015	10.3	22.4	32.7
17/03/2015	33.2	1.6	34.8	7/06/2015	11	22.3	33.3
30/11/2015	32.5	8.9	41.4	30/05/2015	9.8	22.2	32.0
14/12/2015	32.1	6.2	38.3	27/03/2015	22.6	20.9	43.5
12/03/2015	31.8	14.8	46.6	24/06/2015	19	20.5	39.5
20/03/2015	31.8	12.9	44.7	24/04/2015	8.8	20.5	29.3
21/11/2015	31.1	1.0	32.1	25/01/2015	12.2	20.5	32.7
8/12/2015	31.1	1.5	32.6	23/06/2015	10.3	20.3	30.6
29/03/2015	31	2.1	33.1	5/05/2015	10.4	19.9	30.3
22/07/2015	29.5	13.6	43.1	16/04/2015	18.4	19.8	38.2

Table G-31: Scenario 2 – Receptor location 118

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	12.3	85.2				
26/11/2015	50.9	11.0	61.9	27/05/2015	13.7	33.6	47.3
10/03/2015	49.1	1.2	50.3	28/05/2015	12.2	31.8	44.0
15/12/2015	42.3	2.5	44.8	1/07/2015	11.1	31.5	42.6
12/12/2015	41.5	2.8	44.3	19/06/2015	9.1	27.9	37.0
7/10/2015	38.3	4.8	43.1	23/07/2015	13.5	26.6	40.1
9/03/2015	37.4	3.2	40.6	25/05/2015	12.2	26.6	38.8
11/12/2015	36.3	18.4	54.7	11/07/2015	6.4	26.3	32.7

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
4/03/2015	35.6	0.6	36.2	5/06/2015	10	25.1	35.1
9/02/2015	35.1	2.4	37.5	23/04/2015	7.5	24.7	32.2
17/10/2015	35	1.5	36.5	15/07/2015	8.4	24.7	33.1
7/03/2015	34.2	11.0	45.2	5/07/2015	12.8	23.1	35.9
19/03/2015	34.2	16.4	50.6	30/05/2015	9.8	22.7	32.5
11/03/2015	34	0.9	34.9	14/01/2015	8.2	22.7	30.9
17/04/2015	33.4	2.6	36.0	20/06/2015	9.6	22.6	32.2
8/03/2015	33.3	6.0	39.3	30/08/2015	10.3	21.7	32.0
17/03/2015	33.2	1.5	34.7	7/06/2015	11	21.7	32.7
30/11/2015	32.5	8.9	41.4	6/04/2015	7.7	20.8	28.5
14/12/2015	32.1	6.0	38.1	27/03/2015	22.6	20.5	43.1
12/03/2015	31.8	14.8	46.6	24/06/2015	19	20.3	39.3
20/03/2015	31.8	12.0	43.8	23/06/2015	10.3	19.6	29.9
21/11/2015	31.1	1.0	32.1	25/01/2015	12.2	19.6	31.8
8/12/2015	31.1	1.5	32.6	16/04/2015	18.4	19.3	37.7
29/03/2015	31	2.0	33.0	22/06/2015	11.6	19.2	30.8
22/07/2015	29.5	13.7	43.2	5/09/2015	12.7	19.1	31.8

Table G-32: Scenario 2 – Receptor location 120

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	11.5	84.4				
26/11/2015	50.9	10.6	61.5				
10/03/2015	49.1	1.2	50.3	27/05/2015	13.7	33.9	47.6
15/12/2015	42.3	2.4	44.7	28/05/2015	12.2	31.9	44.1
12/12/2015	41.5	2.9	44.4	1/07/2015	11.1	31.5	42.6
7/10/2015	38.3	4.5	42.8	19/06/2015	9.1	27.5	36.6
9/03/2015	37.4	3.1	40.5	23/07/2015	13.5	26.4	39.9
11/12/2015	36.3	18.4	54.7	11/07/2015	6.4	25.9	32.3
4/03/2015	35.6	0.6	36.2	25/05/2015	12.2	25.9	38.1
9/02/2015	35.1	2.4	37.5	23/04/2015	7.5	25.0	32.5
17/10/2015	35.0	1.4	36.4	5/06/2015	10.0	24.9	34.9
7/03/2015	34.2	11.2	45.4	15/07/2015	8.4	24.3	32.7
19/03/2015	34.2	16.2	50.4	30/05/2015	9.8	22.7	32.5
11/03/2015	34.0	0.9	34.9	20/06/2015	9.6	22.6	32.2
17/04/2015	33.4	2.6	36.0	5/07/2015	12.8	22.5	35.3
8/03/2015	33.3	5.8	39.1	14/01/2015	8.2	22.5	30.7
17/03/2015	33.2	1.5	34.7	7/06/2015	11.0	21.2	32.2
30/11/2015	32.5	8.7	41.2	30/08/2015	10.3	21.1	31.4

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
14/12/2015	32.1	5.8	37.9	27/03/2015	22.6	20.3	42.9
12/03/2015	31.8	14.8	46.6	24/06/2015	19.0	20.0	39.0
20/03/2015	31.8	11.5	43.3	6/04/2015	7.7	19.5	27.2
21/11/2015	31.1	0.9	32.0	2/06/2015	11.0	19.4	30.4
8/12/2015	31.1	1.5	32.6	5/09/2015	12.7	19.2	31.9
29/03/2015	31.0	1.9	32.9	16/04/2015	18.4	19.1	37.5
22/07/2015	29.5	13.5	43.0	22/06/2015	11.6	19.1	30.7

Table G-33: Scenario 2 – Receptor location 120c

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	11.6	84.5				
26/11/2015	50.9	10.7	61.6				
10/03/2015	49.1	1.3	50.4	27/05/2015	13.7	34.8	48.5
15/12/2015	42.3	2.5	44.8	28/05/2015	12.2	32.4	44.6
12/12/2015	41.5	3.0	44.5	1/07/2015	11.1	32.0	43.1
7/10/2015	38.3	4.6	42.9	19/06/2015	9.1	28.1	37.2
9/03/2015	37.4	3.1	40.5	23/07/2015	13.5	27.1	40.6
11/12/2015	36.3	18.6	54.9	25/05/2015	12.2	26.7	38.9
4/03/2015	35.6	0.6	36.2	11/07/2015	6.4	26.4	32.8
9/02/2015	35.1	2.5	37.6	23/04/2015	7.5	25.5	33.0
17/10/2015	35.0	1.5	36.5	5/06/2015	10.0	25.2	35.2
7/03/2015	34.2	11.3	45.5	15/07/2015	8.4	24.8	33.2
19/03/2015	34.2	16.6	50.8	20/06/2015	9.6	23.0	32.6
11/03/2015	34.0	0.9	34.9	30/05/2015	9.8	23.0	32.8
17/04/2015	33.4	2.7	36.1	5/07/2015	12.8	22.9	35.7
8/03/2015	33.3	6.1	39.4	14/01/2015	8.2	22.8	31.0
17/03/2015	33.2	1.5	34.7	7/06/2015	11.0	21.7	32.7
30/11/2015	32.5	8.9	41.4	30/08/2015	10.3	21.4	31.7
14/12/2015	32.1	5.9	38.0	27/03/2015	22.6	20.6	43.2
12/03/2015	31.8	14.9	46.7	24/06/2015	19.0	20.4	39.4
20/03/2015	31.8	11.8	43.6	6/04/2015	7.7	19.8	27.5
21/11/2015	31.1	0.9	32.0	2/06/2015	11.0	19.7	30.7
8/12/2015	31.1	1.5	32.6	22/06/2015	11.6	19.7	31.3
29/03/2015	31.0	2.0	33.0	23/06/2015	10.3	19.5	29.8
22/07/2015	29.5	13.9	43.4	5/09/2015	12.7	19.4	32.1

Table G-34: Scenario 2 – Receptor location 121

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	11.8	84.7				
26/11/2015	50.9	10.9	61.8	27/05/2015	13.7	36.2	49.9
10/03/2015	49.1	1.3	50.4	28/05/2015	12.2	33.3	45.5
15/12/2015	42.3	2.6	44.9	1/07/2015	11.1	33.0	44.1
12/12/2015	41.5	3.1	44.6	19/06/2015	9.1	29.1	38.2
7/10/2015	38.3	4.8	43.1	25/05/2015	12.2	28.2	40.4
9/03/2015	37.4	3.2	40.6	23/07/2015	13.5	28.2	41.7
11/12/2015	36.3	19.0	55.3	11/07/2015	6.4	27.3	33.7
4/03/2015	35.6	0.6	36.2	23/04/2015	7.5	26.4	33.9
9/02/2015	35.1	2.7	37.8	5/06/2015	10	25.8	35.8
17/10/2015	35	1.5	36.5	15/07/2015	8.4	25.7	34.1
7/03/2015	34.2	11.6	45.8	20/06/2015	9.6	23.9	33.5
19/03/2015	34.2	17.3	51.5	5/07/2015	12.8	23.5	36.3
11/03/2015	34	1.0	35.0	30/05/2015	9.8	23.5	33.3
17/04/2015	33.4	2.8	36.2	14/01/2015	8.2	23.3	31.5
8/03/2015	33.3	6.4	39.7	7/06/2015	11	22.5	33.5
17/03/2015	33.2	1.6	34.8	30/08/2015	10.3	22.1	32.4
30/11/2015	32.5	9.1	41.6	24/06/2015	19	21.2	40.2
14/12/2015	32.1	6.0	38.1	27/03/2015	22.6	21.0	43.6
12/03/2015	31.8	15.2	47.0	22/06/2015	11.6	20.6	32.2
20/03/2015	31.8	12.2	44.0	2/06/2015	11	20.4	31.4
21/11/2015	31.1	1.0	32.1	6/04/2015	7.7	20.2	27.9
8/12/2015	31.1	1.5	32.6	23/06/2015	10.3	20.2	30.5
29/03/2015	31	2.1	33.1	5/09/2015	12.7	19.9	32.6
22/07/2015	29.5	14.5	44.0	16/04/2015	18.4	19.8	38.2

Table G-35: Scenario 2 – Receptor location 136

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	4.2	69.0				
10/03/2015	46.5	1.5	48.0	4/09/2015	9.9	24.1	34.0
26/11/2015	45.1	3.7	48.8	20/06/2015	8.8	23.8	32.6
7/10/2015	41.5	1.7	43.2	27/05/2015	12.1	23.7	35.8
15/12/2015	41.3	0.6	41.9	18/08/2015	10.6	22.7	33.3
12/12/2015	39.7	11.0	50.7	1/06/2015	6.2	21.2	27.4
9/02/2015	33.2	1.7	34.9	16/07/2015	5	21.1	26.1
11/03/2015	32.6	1.1	33.7	19/06/2015	7.3	19.5	26.8
9/03/2015	32.3	1.6	33.9	5/04/2015	6.5	19.3	25.8
21/11/2015	31.8	0.0	31.8	9/06/2015	10	19.0	29.0
4/03/2015	31	0.8	31.8	1/07/2015	8.8	18.7	27.5

Table G-36: Scenario 2 – Receptor location 140a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	1.0	65.8				
10/03/2015	46.5	1.0	47.5	1/06/2015	6.2	14.0	20.2
26/11/2015	45.1	1.5	46.6	31/01/2015	18.6	11.4	30.0
7/10/2015	41.5	0.2	41.7	4/09/2015	9.9	11.1	21.0
15/12/2015	41.3	0.2	41.5	18/08/2015	10.6	10.8	21.4
12/12/2015	39.7	7.8	47.5	9/06/2015	10	10.4	20.4
9/02/2015	33.2	0.7	33.9	16/07/2015	5	10.2	15.2
11/03/2015	32.6	0.8	33.4	27/05/2015	12.1	10.1	22.2
9/03/2015	32.3	1.0	33.3	19/03/2015	23.5	9.9	33.4
21/11/2015	31.8	0.0	31.8	12/03/2015	29.9	9.8	39.7
4/03/2015	31	0.8	31.8	19/06/2015	7.3	9.8	17.1

Table G-37: Scenario 2 – Receptor location 143a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	3.0	49.5	16/06/2015	12.9	17.6	30.5
26/11/2015	45.1	0.5	45.6	21/04/2015	2.5	17.4	19.9
7/10/2015	41.5	0.2	41.7	31/10/2015	19.7	14.3	34.0
15/12/2015	41.3	0.3	41.6	9/01/2015	17.7	14.2	31.9
12/12/2015	39.7	10.3	50.0	25/06/2015	8.8	14.2	23.0
9/02/2015	33.2	2.2	35.4	18/09/2015	15	13.8	28.8
11/03/2015	32.6	2.5	35.1	1/11/2015	16.4	13.7	30.1
9/03/2015	32.3	2.4	34.7	3/07/2015	17.2	13.6	30.8
21/11/2015	31.8	0.0	31.8	27/05/2015	12.1	12.3	24.4
4/03/2015	31	1.1	32.1	19/10/2015	17.3	12.1	29.4

Table G-38: Scenario 2 – Receptor location 147

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	8.7	55.2	23/05/2015	12.6	41.5	54.1
26/11/2015	45.1	0.7	45.8	16/06/2015	12.9	37.9	50.8
7/10/2015	41.5	0.5	42.0	22/07/2015	29.2	35.1	64.3
15/12/2015	41.3	0.5	41.8	31/10/2015	19.7	32.2	51.9
12/12/2015	39.7	2.5	42.2	19/09/2015	13.5	32.0	45.5
9/02/2015	33.2	9.2	42.4	27/02/2015	19.8	31.3	51.1
11/03/2015	32.6	11.2	43.8	10/01/2015	19.2	28.9	48.1
9/03/2015	32.3	7.1	39.4	8/07/2015	13.3	28.4	41.7
21/11/2015	31.8	0.1	31.9	4/01/2015	16.2	26.1	42.3
4/03/2015	31	1.8	32.8	16/09/2015	17.3	22.9	40.2
12/03/2015	29.9	2.4	32.3	3/07/2015	17.2	22.7	39.9
17/03/2015	29.8	5.0	34.8	26/05/2015	11.1	22.4	33.5
24/11/2015	29.6	0.7	30.3	9/01/2015	17.7	22.3	40.0
22/07/2015	29.2	35.1	64.3	6/09/2015	14	21.9	35.9
14/12/2015	29.1	11.0	40.1	2/04/2015	17	21.4	38.4
7/03/2015	28.9	2.3	31.2	30/03/2015	22.9	21.4	44.3
8/12/2015	28.9	7.6	36.5	18/09/2015	15	20.9	35.9

Table G-39: Scenario 2 – Receptor location 153a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	6.5	53.0	4/04/2015	4.6	17.6	22.2
26/11/2015	45.1	1.2	46.3	1/05/2015	8.4	13.3	21.7
7/10/2015	41.5	2.2	43.7	13/01/2015	14	12.2	26.2
15/12/2015	41.3	3.9	45.2	11/06/2015	15.6	11.5	27.1
12/12/2015	39.7	3.3	43.0	14/03/2015	20.9	11.4	32.3
9/02/2015	33.2	3.3	36.5	22/03/2015	12.2	11.4	23.6
11/03/2015	32.6	9.9	42.5	23/10/2015	16.6	11.3	27.9
9/03/2015	32.3	3.1	35.4	4/05/2015	12.1	11.3	23.4
21/11/2015	31.8	3.6	35.4	5/02/2015	18.4	11.2	29.6
4/03/2015	31	9.1	40.1	17/05/2015	9.2	11.1	20.3

Table G-40: Scenario 2 – Receptor location 257

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.2	46.7	9/01/2015	17.7	6.9	24.6
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	5.1	18.0
7/10/2015	41.5	0.1	41.6	13/06/2015	13.9	3.8	17.7
15/12/2015	41.3	1.3	42.6	15/04/2015	24	3.7	27.7
12/12/2015	39.7	0.0	39.7	14/06/2015	14.5	3.7	18.2
9/02/2015	33.2	0.7	33.9	15/06/2015	16.4	3.7	20.1
11/03/2015	32.6	0.3	32.9	27/05/2015	12.1	3.5	15.6
9/03/2015	32.3	0.2	32.5	13/09/2015	18.5	3.4	21.9
21/11/2015	31.8	0.0	31.8	4/09/2015	9.9	3.1	13.0
4/03/2015	31	0.1	31.1	25/05/2015	12.4	2.9	15.3

Table G-41: Scenario 2 – Receptor location 258a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				0.0
10/03/2015	46.5	0.2	46.7	9/01/2015	17.7	8.0	25.7
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	4.5	17.4
7/10/2015	41.5	0.1	41.6	13/06/2015	13.9	3.4	17.3
15/12/2015	41.3	1.1	42.4	15/06/2015	16.4	3.3	19.7
12/12/2015	39.7	0.0	39.7	15/04/2015	24	3.2	27.2
9/02/2015	33.2	0.6	33.8	27/05/2015	12.1	3.1	15.2
11/03/2015	32.6	0.3	32.9	14/06/2015	14.5	3.0	17.5
9/03/2015	32.3	0.2	32.5	13/09/2015	18.5	2.9	21.4
21/11/2015	31.8	0.0	31.8	4/09/2015	9.9	2.7	12.6
4/03/2015	31	0.1	31.1	3/01/2015	12.2	2.6	14.8

Table G-42: Scenario 2 – Receptor location 272

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	1.3	47.8	3/12/2015	21.3	3.5	24.8
26/11/2015	45.1	0.1	45.2	23/12/2015	10.3	3.1	13.4
7/10/2015	41.5	1.1	42.6	2/03/2015	22.2	2.8	25.0
15/12/2015	41.3	1.9	43.2	6/01/2015	15.8	2.5	18.3
12/12/2015	39.7	0.9	40.6	10/02/2015	15.5	2.5	18.0
9/02/2015	33.2	1.4	34.6	21/03/2015	16.4	2.4	18.8
11/03/2015	32.6	1.3	33.9	24/12/2015	13.7	2.4	16.1
9/03/2015	32.3	0.6	32.9	5/02/2015	18.4	2.3	20.7
21/11/2015	31.8	1.0	32.8	11/11/2015	14.5	2.3	16.8
4/03/2015	31	1.1	32.1	20/06/2015	8.8	2.3	11.1

Table G-43: Scenario 3 – Receptor location 21

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.6	18.9	91.5				
26/11/2015	56.3	9.7	66.0				
10/03/2015	46.8	0.4	47.2	30/05/2015	10.7	28.8	39.5
12/12/2015	46.2	0.1	46.3	24/04/2015	11	28.1	39.1
7/10/2015	40.7	6.8	47.5	4/06/2015	16.6	25.9	42.5
15/12/2015	39.9	2.2	42.1	27/06/2015	19.6	24.5	44.1
11/03/2015	37.8	0.7	38.5	18/06/2015	9	24.2	33.2
22/07/2015	37.5	9.0	46.5	28/07/2015	16.4	24.1	40.5
17/10/2015	37.4	2.2	39.6	28/05/2015	ND	24.0	24.0
9/03/2015	37.2	4.3	41.5	20/05/2015	9.6	23.2	32.8
9/02/2015	37.1	1.2	38.3	7/06/2015	14.6	22.6	37.2
11/12/2015	36.2	12.0	48.2	29/05/2015	11.5	22.5	34.0
17/03/2015	35.7	1.1	36.8	5/06/2015	17.3	22.4	39.7
4/03/2015	35.6	0.3	35.9	5/07/2015	18.5	21.9	40.4
19/03/2015	34.5	7.9	42.4	31/07/2015	21.2	21.3	42.5
21/11/2015	34.5	1.6	36.1	30/07/2015	15.4	21.1	36.5
20/03/2015	33.7	11.6	45.3	3/06/2015	19.4	21.0	40.4
7/03/2015	33.6	6.7	40.3	14/08/2015	14.6	20.5	35.1
10/10/2015	33.1	5.9	39.0	2/07/2015	12.7	20.4	33.1
5/03/2015	33	7.5	40.5	25/05/2015	19.4	20.4	39.8
24/11/2015	33	0.0	33.0	27/04/2015	12.6	20.4	33.0
17/04/2015	32.8	1.0	33.8	12/05/2015	11.3	20.0	31.3
15/04/2015	32.5	4.3	36.8	11/07/2015	10.7	19.9	30.6
14/12/2015	31.7	3.1	34.8	2/08/2015	18.4	19.8	38.2
29/03/2015	31.2	1.3	32.5	23/06/2015	18.5	19.7	38.2
12/03/2015	31	9.5	40.5	23/07/2015	18.4	19.7	38.1
21/08/2015	31	13.3	44.3	6/10/2015	28	19.6	47.6
8/12/2015	30.8	0.6	31.4	5/05/2015	10.7	19.3	30.0
2/10/2015	30.7	6.6	37.3	31/05/2015	8.4	19.3	27.7
13/10/2015	30.4	1.3	31.7	30/08/2015	14.9	19.2	34.1

Table G-44: Scenario 3 – Receptor location 35b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	13.2	86.1				
26/11/2015	50.9	6.3	57.2				
10/03/2015	49.1	0.6	49.7	19/01/2015	20.1	0.0	20.1
15/12/2015	42.3	1.0	43.3	26/01/2015	19.3	0.0	19.3
12/12/2015	41.5	1.5	43.0	27/01/2015	9.2	0.0	9.2
7/10/2015	38.3	2.9	41.2	2/02/2015	14	0.0	14.0
9/03/2015	37.4	2.9	40.3	10/02/2015	14.7	0.0	14.7
11/12/2015	36.3	11.2	47.5	13/02/2015	16.4	0.0	16.4
4/03/2015	35.6	0.4	36.0	19/02/2015	22.8	0.0	22.8
9/02/2015	35.1	0.9	36.0	21/02/2015	9.1	0.0	9.1
17/10/2015	35	1.1	36.1	22/02/2015	11.5	0.0	11.5
7/03/2015	34.2	6.0	40.2	2/03/2015	23.4	0.0	23.4

Table G-45: Scenario 3 – Receptor location 43

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.7	47.2	15/04/2015	24	9.7	33.7
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	6.9	19.8
7/10/2015	41.5	0.2	41.7	20/06/2015	8.8	6.1	14.9
15/12/2015	41.3	2.1	43.4	13/06/2015	13.9	5.7	19.6
12/12/2015	39.7	0.0	39.7	9/01/2015	17.7	5.5	23.2
9/02/2015	33.2	0.9	34.1	13/09/2015	18.5	5.5	24.0
11/03/2015	32.6	0.8	33.4	27/05/2015	12.1	5.3	17.4
9/03/2015	32.3	1.3	33.6	26/02/2015	17.7	5.3	23.0
21/11/2015	31.8	1.3	33.1	19/07/2015	14.9	5.2	20.1
4/03/2015	31	0.4	31.4	4/09/2015	9.9	4.9	14.8

Table G-46: Scenario 3 – Receptor location 43b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.4	46.9	15/04/2015	24	5.0	29.0
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	4.2	17.1
7/10/2015	41.5	0.1	41.6	13/06/2015	13.9	3.5	17.4
15/12/2015	41.3	1.0	42.3	27/05/2015	12.1	3.5	15.6
12/12/2015	39.7	0.0	39.7	15/06/2015	16.4	3.3	19.7
9/02/2015	33.2	0.5	33.7	20/06/2015	8.8	3.1	11.9
11/03/2015	32.6	0.4	33.0	26/02/2015	17.7	3.0	20.7
9/03/2015	32.3	0.6	32.9	9/01/2015	17.7	2.9	20.6
21/11/2015	31.8	0.8	32.6	13/09/2015	18.5	2.9	21.4
4/03/2015	31	0.3	31.3	4/09/2015	9.9	2.9	12.8

Table G-47: Scenario 3 – Receptor location 47

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.4	46.9	19/10/2015	17.3	3.3	20.6
26/11/2015	45.1	0.0	45.1	20/06/2015	8.8	3.3	12.1
7/10/2015	41.5	0.1	41.6	27/09/2015	12.3	3.2	15.5
15/12/2015	41.3	1.2	42.5	16/06/2015	12.9	3.2	16.1
12/12/2015	39.7	0.1	39.8	8/01/2015	18.3	3.0	21.3
9/02/2015	33.2	0.4	33.6	13/06/2015	13.9	2.9	16.8
11/03/2015	32.6	0.6	33.2	3/01/2015	12.2	2.8	15.0
9/03/2015	32.3	0.6	32.9	15/04/2015	24	2.8	26.8
21/11/2015	31.8	0.6	32.4	27/05/2015	12.1	2.8	14.9
4/03/2015	31	0.3	31.3	6/12/2015	21	2.7	23.7

Table G-48: Scenario 3 – Receptor location 67

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	11.5	84.4				
26/11/2015	50.9	9.2	60.1				
10/03/2015	49.1	0.7	49.8	1/07/2015	11.1	26.0	37.1
15/12/2015	42.3	1.2	43.5	19/06/2015	9.1	19.3	28.4
12/12/2015	41.5	1.8	43.3	27/03/2015	22.6	19.0	41.6
7/10/2015	38.3	3.1	41.4	14/01/2015	8.2	18.8	27.0
9/03/2015	37.4	3.0	40.4	27/05/2015	13.7	18.1	31.8
11/12/2015	36.3	13.7	50.0	30/05/2015	9.8	18.1	27.9
4/03/2015	35.6	0.5	36.1	28/05/2015	12.2	17.8	30.0
9/02/2015	35.1	1.2	36.3	23/07/2015	13.5	17.8	31.3
17/10/2015	35	1.2	36.2	31/05/2015	5.1	17.6	22.7
7/03/2015	34.2	7.0	41.2	24/04/2015	8.8	17.6	26.4
19/03/2015	34.2	9.1	43.3	11/07/2015	6.4	16.9	23.3
11/03/2015	34	0.7	34.7	16/04/2015	18.4	16.8	35.2
17/04/2015	33.4	1.6	35.0	25/08/2015	4.6	16.8	21.4
8/03/2015	33.3	3.3	36.6	14/05/2015	15.7	16.7	32.4
17/03/2015	33.2	0.9	34.1	30/08/2015	10.3	16.5	26.8

Table G-49: Scenario 3 – Receptor location 102

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	9.9	82.8				
26/11/2015	50.9	11.5	62.4				
10/03/2015	49.1	1.3	50.4	27/05/2015	13.7	28.9	42.6
15/12/2015	42.3	1.8	44.1	1/07/2015	11.1	28.5	39.6
12/12/2015	41.5	2.8	44.3	28/05/2015	12.2	26.5	38.7
7/10/2015	38.3	4.7	43.0	19/06/2015	9.1	26.0	35.1
9/03/2015	37.4	2.7	40.1	23/07/2015	13.5	25.0	38.5
11/12/2015	36.3	16.3	52.6	23/04/2015	7.5	23.7	31.2
4/03/2015	35.6	0.6	36.2	5/06/2015	10.0	22.9	32.9
9/02/2015	35.1	2.2	37.3	20/06/2015	9.6	22.5	32.1
17/10/2015	35.0	1.3	36.3	11/07/2015	6.4	22.3	28.7
7/03/2015	34.2	10.3	44.5	25/05/2015	12.2	22.3	34.5
19/03/2015	34.2	12.9	47.1	30/05/2015	9.8	21.8	31.6
11/03/2015	34.0	0.9	34.9	15/07/2015	8.4	21.0	29.4
17/04/2015	33.4	2.3	35.7	5/07/2015	12.8	20.5	33.3
8/03/2015	33.3	5.0	38.3	14/01/2015	8.2	20.4	28.6

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
17/03/2015	33.2	1.3	34.5	27/06/2015	12.6	19.4	32.0
30/11/2015	32.5	8.3	40.8	5/09/2015	12.7	19.4	32.1
14/12/2015	32.1	4.9	37.0	30/08/2015	10.3	19.3	29.6
12/03/2015	31.8	14.3	46.1	4/08/2015	7.9	19.0	26.9
20/03/2015	31.8	9.7	41.5	27/03/2015	22.6	18.8	41.4
21/11/2015	31.1	0.8	31.9	16/04/2015	18.4	18.7	37.1

Table G-50: Scenario 3 – Receptor location 108

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	10.3	83.2				
26/11/2015	50.9	12.0	62.9				
10/03/2015	49.1	1.4	50.5	27/05/2015	13.7	31.8	45.5
15/12/2015	42.3	2.1	44.4	1/07/2015	11.1	30.3	41.4
12/12/2015	41.5	3.0	44.5	28/05/2015	12.2	28.5	40.7
7/10/2015	38.3	5.0	43.3	19/06/2015	9.1	28.1	37.2
9/03/2015	37.4	2.9	40.3	23/07/2015	13.5	27.5	41.0
11/12/2015	36.3	16.9	53.2	25/05/2015	12.2	25.7	37.9
4/03/2015	35.6	0.6	36.2	23/04/2015	7.5	25.7	33.2
9/02/2015	35.1	2.5	37.6	11/07/2015	6.4	24.4	30.8
17/10/2015	35.0	1.4	36.4	5/06/2015	10.0	24.2	34.2
7/03/2015	34.2	10.8	45.0	20/06/2015	9.6	24.2	33.8
19/03/2015	34.2	14.2	48.4	30/05/2015	9.8	23.3	33.1
11/03/2015	34.0	0.9	34.9	15/07/2015	8.4	22.7	31.1
17/04/2015	33.4	2.5	35.9	5/07/2015	12.8	21.8	34.6
8/03/2015	33.3	5.7	39.0	14/01/2015	8.2	21.3	29.5
17/03/2015	33.2	1.5	34.7	30/08/2015	10.3	20.7	31.0
30/11/2015	32.5	8.8	41.3	5/09/2015	12.7	20.6	33.3
14/12/2015	32.1	5.1	37.2	27/06/2015	12.6	20.4	33.0
12/03/2015	31.8	15.0	46.8	7/06/2015	11.0	20.1	31.1
20/03/2015	31.8	10.7	42.5	4/08/2015	7.9	19.8	27.7
21/11/2015	31.1	1.0	32.1	16/04/2015	18.4	19.7	38.1
8/12/2015	31.1	1.4	32.5	27/03/2015	22.6	19.6	42.2
29/03/2015	31.0	1.9	32.9	22/04/2015	4.6	19.2	23.8
22/07/2015	29.5	13.6	43.1	18/08/2015	12.5	19.0	31.5

Table G-51: Scenario 3 – Receptor location 112

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	10.9	83.8				
26/11/2015	50.9	12.8	63.7				
10/03/2015	49.1	1.6	50.7	27/05/2015	13.7	34.9	48.6
15/12/2015	42.3	2.6	44.9	1/07/2015	11.1	32.6	43.7
12/12/2015	41.5	3.2	44.7	19/06/2015	9.1	31.0	40.1
7/10/2015	38.3	5.3	43.6	28/05/2015	12.2	30.7	42.9
9/03/2015	37.4	3.1	40.5	23/07/2015	13.5	30.4	43.9
11/12/2015	36.3	17.7	54.0	25/05/2015	12.2	29.7	41.9
4/03/2015	35.6	0.7	36.3	23/04/2015	7.5	28.1	35.6
9/02/2015	35.1	2.9	38.0	11/07/2015	6.4	26.9	33.3
17/10/2015	35	1.5	36.5	20/06/2015	9.6	26.0	35.6
7/03/2015	34.2	11.2	45.4	5/06/2015	10	25.6	35.6
19/03/2015	34.2	15.8	50.0	30/05/2015	9.8	25.1	34.9
11/03/2015	34	1.0	35.0	15/07/2015	8.4	24.8	33.2
17/04/2015	33.4	2.7	36.1	5/07/2015	12.8	23.4	36.2
8/03/2015	33.3	6.7	40.0	14/01/2015	8.2	22.9	31.1
17/03/2015	33.2	1.8	35.0	30/08/2015	10.3	22.6	32.9
30/11/2015	32.5	9.7	42.2	7/06/2015	11	22.6	33.6
14/12/2015	32.1	5.6	37.7	5/09/2015	12.7	21.5	34.2
12/03/2015	31.8	15.9	47.7	16/04/2015	18.4	21.3	39.7
20/03/2015	31.8	11.9	43.7	27/06/2015	12.6	21.2	33.8
21/11/2015	31.1	1.1	32.2	4/08/2015	7.9	21.1	29.0
8/12/2015	31.1	1.5	32.6	22/04/2015	4.6	21.0	25.6
29/03/2015	31	2.3	33.3	27/03/2015	22.6	21.0	43.6
22/07/2015	29.5	15.1	44.6	22/06/2015	11.6	21.0	32.6
5/03/2015	29.4	9.7	39.1	25/01/2015	12.2	20.5	32.7

Table G-52: Scenario 3 – Receptor location 118

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	10.7	83.6				
26/11/2015	50.9	11.6	62.5				
10/03/2015	49.1	1.6	50.7	27/05/2015	13.7	35.9	49.6
15/12/2015	42.3	2.4	44.7	1/07/2015	11.1	32.3	43.4
12/12/2015	41.5	3.3	44.8	28/05/2015	12.2	31.6	43.8
7/10/2015	38.3	5.4	43.7	19/06/2015	9.1	30.6	39.7
9/03/2015	37.4	3.2	40.6	23/07/2015	13.5	30.4	43.9

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
11/12/2015	36.3	17.5	53.8	25/05/2015	12.2	29.7	41.9
4/03/2015	35.6	0.7	36.3	23/04/2015	7.5	27.9	35.4
9/02/2015	35.1	2.9	38.0	20/06/2015	9.6	26.6	36.2
17/10/2015	35	1.4	36.4	5/06/2015	10	26.4	36.4
7/03/2015	34.2	11.7	45.9	11/07/2015	6.4	26.3	32.7
19/03/2015	34.2	15.4	49.6	30/05/2015	9.8	24.8	34.6
11/03/2015	34	1.0	35.0	15/07/2015	8.4	24.6	33.0
17/04/2015	33.4	2.7	36.1	5/07/2015	12.8	23.0	35.8
8/03/2015	33.3	6.5	39.8	27/06/2015	12.6	22.4	35.0
17/03/2015	33.2	1.7	34.9	7/06/2015	11	22.2	33.2
30/11/2015	32.5	9.3	41.8	5/09/2015	12.7	22.2	34.9
14/12/2015	32.1	5.3	37.4	30/08/2015	10.3	22.2	32.5
12/03/2015	31.8	15.7	47.5	14/01/2015	8.2	21.7	29.9
20/03/2015	31.8	11.6	43.4	22/06/2015	11.6	21.7	33.3
21/11/2015	31.1	1.0	32.1	29/05/2015	8.1	20.7	28.8
8/12/2015	31.1	1.4	32.5	2/06/2015	11	20.4	31.4
29/03/2015	31	2.2	33.2	27/03/2015	22.6	20.4	43.0
22/07/2015	29.5	15.1	44.6	30/06/2015	13.8	20.3	34.1

Table G-53: Scenario 3 – Receptor location 120

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	10.7	83.6				
26/11/2015	50.9	10.8	61.7				
10/03/2015	49.1	1.6	50.7	27/05/2015	13.7	36.2	49.9
15/12/2015	42.3	2.2	44.5	1/07/2015	11.1	32.0	43.1
12/12/2015	41.5	3.4	44.9	28/05/2015	12.2	31.9	44.1
7/10/2015	38.3	5.3	43.6	19/06/2015	9.1	30.1	39.2
9/03/2015	37.4	3.2	40.6	23/07/2015	13.5	30.0	43.5
11/12/2015	36.3	17.4	53.7	25/05/2015	12.2	28.8	41.0
4/03/2015	35.6	0.7	36.3	23/04/2015	7.5	27.6	35.1
9/02/2015	35.1	2.9	38.0	20/06/2015	9.6	26.8	36.4
17/10/2015	35.0	1.4	36.4	5/06/2015	10.0	26.8	36.8
7/03/2015	34.2	12.0	46.2	11/07/2015	6.4	25.7	32.1
19/03/2015	34.2	15.1	49.3	30/05/2015	9.8	24.4	34.2
11/03/2015	34.0	1.0	35.0	15/07/2015	8.4	24.3	32.7
17/04/2015	33.4	2.7	36.1	27/06/2015	12.6	22.9	35.5
8/03/2015	33.3	6.2	39.5	5/07/2015	12.8	22.5	35.3
17/03/2015	33.2	1.6	34.8	5/09/2015	12.7	22.4	35.1

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
30/11/2015	32.5	9.0	41.5	30/08/2015	10.3	21.8	32.1
14/12/2015	32.1	5.1	37.2	22/06/2015	11.6	21.8	33.4
12/03/2015	31.8	15.5	47.3	7/06/2015	11.0	21.7	32.7
20/03/2015	31.8	11.4	43.2	2/06/2015	11.0	21.2	32.2
21/11/2015	31.1	0.9	32.0	14/01/2015	8.2	21.1	29.3
8/12/2015	31.1	1.4	32.5	7/08/2015	11.0	20.7	31.7
29/03/2015	31.0	2.1	33.1	29/05/2015	8.1	20.7	28.8
22/07/2015	29.5	14.8	44.3	30/06/2015	13.8	20.4	34.2

Table G-54: Scenario 3 – Receptor location 120c

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	10.8	83.7				
26/11/2015	50.9	10.9	61.8				
10/03/2015	49.1	1.7	50.8	27/05/2015	13.7	37.1	50.8
15/12/2015	42.3	2.3	44.6	1/07/2015	11.1	32.5	43.6
12/12/2015	41.5	3.5	45.0	28/05/2015	12.2	32.5	44.7
7/10/2015	38.3	5.4	43.7	19/06/2015	9.1	30.8	39.9
9/03/2015	37.4	3.3	40.7	23/07/2015	13.5	30.8	44.3
11/12/2015	36.3	17.6	53.9	25/05/2015	12.2	29.9	42.1
4/03/2015	35.6	0.7	36.3	23/04/2015	7.5	28.2	35.7
9/02/2015	35.1	3.0	38.1	20/06/2015	9.6	27.4	37.0
17/10/2015	35.0	1.4	36.4	5/06/2015	10.0	27.2	37.2
7/03/2015	34.2	12.1	46.3	11/07/2015	6.4	26.3	32.7
19/03/2015	34.2	15.4	49.6	15/07/2015	8.4	24.8	33.2
11/03/2015	34.0	1.0	35.0	30/05/2015	9.8	24.8	34.6
17/04/2015	33.4	2.7	36.1	27/06/2015	12.6	23.3	35.9
8/03/2015	33.3	6.5	39.8	5/07/2015	12.8	22.9	35.7
17/03/2015	33.2	1.7	34.9	5/09/2015	12.7	22.7	35.4
30/11/2015	32.5	9.2	41.7	22/06/2015	11.6	22.4	34.0
14/12/2015	32.1	5.2	37.3	7/06/2015	11.0	22.3	33.3
12/03/2015	31.8	15.7	47.5	30/08/2015	10.3	22.2	32.5
20/03/2015	31.8	11.7	43.5	2/06/2015	11.0	21.5	32.5
21/11/2015	31.1	0.9	32.0	14/01/2015	8.2	21.4	29.6
8/12/2015	31.1	1.4	32.5	29/05/2015	8.1	21.1	29.2
29/03/2015	31.0	2.2	33.2	30/06/2015	13.8	21.0	34.8
22/07/2015	29.5	15.2	44.7	7/08/2015	11.0	20.9	31.9

Table G-55: Scenario 3 – Receptor location 121

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	11.0	83.9				
26/11/2015	50.9	11.0	61.9				
10/03/2015	49.1	1.8	50.9	27/05/2015	13.7	38.7	52.4
15/12/2015	42.3	2.5	44.8	28/05/2015	12.2	33.5	45.7
12/12/2015	41.5	3.6	45.1	1/07/2015	11.1	33.3	44.4
7/10/2015	38.3	5.5	43.8	23/07/2015	13.5	32.1	45.6
9/03/2015	37.4	3.4	40.8	19/06/2015	9.1	31.9	41.0
11/12/2015	36.3	18.0	54.3	25/05/2015	12.2	31.7	43.9
4/03/2015	35.6	0.7	36.3	23/04/2015	7.5	29.2	36.7
9/02/2015	35.1	3.2	38.3	20/06/2015	9.6	28.4	38.0
17/10/2015	35	1.4	36.4	5/06/2015	10	27.8	37.8
7/03/2015	34.2	12.4	46.6	11/07/2015	6.4	27.2	33.6
19/03/2015	34.2	16.0	50.2	15/07/2015	8.4	25.6	34.0
11/03/2015	34	1.0	35.0	30/05/2015	9.8	25.4	35.2
17/04/2015	33.4	2.8	36.2	27/06/2015	12.6	23.9	36.5
8/03/2015	33.3	6.9	40.2	22/06/2015	11.6	23.6	35.2
17/03/2015	33.2	1.8	35.0	5/07/2015	12.8	23.5	36.3
30/11/2015	32.5	9.4	41.9	7/06/2015	11	23.3	34.3
14/12/2015	32.1	5.3	37.4	5/09/2015	12.7	23.3	36.0
12/03/2015	31.8	16.0	47.8	30/08/2015	10.3	22.8	33.1
20/03/2015	31.8	12.1	43.9	2/06/2015	11	22.2	33.2
21/11/2015	31.1	1.0	32.1	30/06/2015	13.8	22.1	35.9
8/12/2015	31.1	1.5	32.6	29/05/2015	8.1	21.8	29.9
29/03/2015	31	2.3	33.3	14/01/2015	8.2	21.7	29.9
22/07/2015	29.5	15.9	45.4	7/08/2015	11	21.4	32.4
5/03/2015	29.4	10.7	40.1	23/06/2015	10.3	21.1	31.4
24/11/2015	29.2	0.0	29.2	26/05/2015	13	21.1	34.1
18/03/2015	28.9	8.8	37.7	24/06/2015	19	21.0	40.0

Table G-56: Scenario 3 – Receptor location 136

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	5.3	70.1				
10/03/2015	46.5	1.7	48.2	20/06/2015	8.8	28.9	37.7
26/11/2015	45.1	4.5	49.6	27/05/2015	12.1	28.1	40.2
7/10/2015	41.5	2.2	43.7	4/09/2015	9.9	26.9	36.8
15/12/2015	41.3	0.5	41.8	16/07/2015	5	24.7	29.7
12/12/2015	39.7	9.7	49.4	23/07/2015	10.3	23.5	33.8
9/02/2015	33.2	1.6	34.8	1/07/2015	8.8	22.6	31.4
11/03/2015	32.6	1.1	33.7	18/08/2015	10.6	22.0	32.6
9/03/2015	32.3	1.5	33.8	19/06/2015	7.3	21.5	28.8
21/11/2015	31.8	0.0	31.8	5/04/2015	6.5	20.8	27.3
4/03/2015	31	0.8	31.8	23/04/2015	5.9	19.9	25.8

Table G-57: Scenario 3 – Receptor location 140a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	1.4	66.2				
10/03/2015	46.5	1.2	47.7	16/07/2015	5	14.4	19.4
26/11/2015	45.1	2.1	47.2	18/08/2015	10.6	14.2	24.8
7/10/2015	41.5	0.3	41.8	31/01/2015	18.6	13.7	32.3
15/12/2015	41.3	0.2	41.5	4/09/2015	9.9	13.7	23.6
12/12/2015	39.7	8.0	47.7	1/06/2015	6.2	13.0	19.2
9/02/2015	33.2	0.7	33.9	20/06/2015	8.8	12.6	21.4
11/03/2015	32.6	0.8	33.4	9/06/2015	10	12.3	22.3
9/03/2015	32.3	1.0	33.3	27/05/2015	12.1	12.1	24.2
21/11/2015	31.8	0.0	31.8	5/04/2015	6.5	12.1	18.6
4/03/2015	31	0.8	31.8	19/06/2015	7.3	11.1	18.4

Table G-58: Scenario 3 – Receptor location 143a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	3.2	49.7	16/06/2015	12.9	24.1	37.0
26/11/2015	45.1	0.6	45.7	18/09/2015	15	23.1	38.1
7/10/2015	41.5	0.2	41.7	1/11/2015	16.4	20.8	37.2
15/12/2015	41.3	0.3	41.6	31/10/2015	19.7	19.4	39.1
12/12/2015	39.7	13.7	53.4	5/04/2015	6.5	19.3	25.8
9/02/2015	33.2	2.2	35.4	9/01/2015	17.7	18.3	36.0
11/03/2015	32.6	2.5	35.1	27/05/2015	12.1	17.2	29.3
9/03/2015	32.3	2.5	34.8	25/06/2015	8.8	15.8	24.6
21/11/2015	31.8	0.0	31.8	3/07/2015	17.2	15.4	32.6
4/03/2015	31	1.3	32.3	30/01/2015	13.9	14.9	28.8

Table G-59: Scenario 3 – Receptor location 147

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	7.6	54.1	16/06/2015	12.9	67.4	80.3
26/11/2015	45.1	0.8	45.9	23/05/2015	12.6	56.4	69.0
7/10/2015	41.5	0.6	42.1	19/09/2015	13.5	44.5	58.0
15/12/2015	41.3	0.5	41.8	31/10/2015	19.7	42.2	61.9
12/12/2015	39.7	4.9	44.6	27/02/2015	19.8	40.5	60.3
9/02/2015	33.2	7.8	41.0	9/01/2015	17.7	38.7	56.4
11/03/2015	32.6	8.5	41.1	1/11/2015	16.4	38.7	55.1
9/03/2015	32.3	6.4	38.7	8/07/2015	13.3	37.2	50.5
21/11/2015	31.8	0.0	31.8	22/07/2015	29.2	35.6	64.8
4/03/2015	31	1.8	32.8	18/09/2015	15	35.0	50.0
12/03/2015	29.9	4.0	33.9	4/01/2015	16.2	34.6	50.8
17/03/2015	29.8	3.9	33.7	26/05/2015	11.1	33.8	44.9
24/11/2015	29.6	0.3	29.9	19/07/2015	14.9	30.1	45.0
22/07/2015	29.2	35.6	64.8	10/01/2015	19.2	29.5	48.7
14/12/2015	29.1	9.4	38.5	3/07/2015	17.2	28.5	45.7
7/03/2015	28.9	2.2	31.1	17/11/2015	10.3	27.2	37.5
8/12/2015	28.9	7.8	36.7	19/10/2015	17.3	26.6	43.9
17/04/2015	28.4	1.7	30.1	2/04/2015	17	25.7	42.7
2/10/2015	28	1.4	29.4	5/04/2015	6.5	23.3	29.8
29/03/2015	27.5	1.8	29.3	4/05/2015	12.1	23.1	35.2
17/10/2015	27.5	2.2	29.7	7/04/2015	8.8	23.0	31.8
13/10/2015	27.2	15.1	42.3	16/09/2015	17.3	22.7	40.0

Table G-60: Scenario 3 – Receptor location 153a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	7.2	53.7	4/04/2015	4.6	18.0	22.6
26/11/2015	45.1	1.2	46.3	13/01/2015	14	13.8	27.8
7/10/2015	41.5	2.9	44.4	1/05/2015	8.4	13.0	21.4
15/12/2015	41.3	4.7	46.0	17/05/2015	9.2	12.8	22.0
12/12/2015	39.7	3.4	43.1	5/02/2015	18.4	12.3	30.7
9/02/2015	33.2	4.1	37.3	4/05/2015	12.1	12.1	24.2
11/03/2015	32.6	10.2	42.8	1/04/2015	14.5	11.8	26.3
9/03/2015	32.3	3.6	35.9	11/06/2015	15.6	11.8	27.4
21/11/2015	31.8	3.9	35.7	19/07/2015	14.9	11.8	26.7
4/03/2015	31	9.0	40.0	14/03/2015	20.9	11.7	32.6

Table G-61: Scenario 3 – Receptor location 257

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.2	46.7	9/01/2015	17.7	7.7	25.4
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	5.4	18.3
7/10/2015	41.5	0.1	41.6	14/06/2015	14.5	4.4	18.9
15/12/2015	41.3	1.4	42.7	15/04/2015	24	4.4	28.4
12/12/2015	39.7	0.0	39.7	13/06/2015	13.9	4.4	18.3
9/02/2015	33.2	0.8	34.0	13/09/2015	18.5	4.2	22.7
11/03/2015	32.6	0.3	32.9	27/05/2015	12.1	4.2	16.3
9/03/2015	32.3	0.2	32.5	15/06/2015	16.4	3.9	20.3
21/11/2015	31.8	0.0	31.8	25/05/2015	12.4	3.7	16.1
4/03/2015	31	0.1	31.1	29/06/2015	14	3.5	17.5

Table G-62: Scenario 3 – Receptor location 258a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.2	46.7	9/01/2015	17.7	8.9	26.6
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	4.9	17.8
7/10/2015	41.5	0.1	41.6	15/04/2015	24	3.8	27.8
15/12/2015	41.3	1.2	42.5	13/06/2015	13.9	3.8	17.7
12/12/2015	39.7	0.0	39.7	14/06/2015	14.5	3.7	18.2
9/02/2015	33.2	0.6	33.8	27/05/2015	12.1	3.6	15.7
11/03/2015	32.6	0.3	32.9	13/09/2015	18.5	3.4	21.9
9/03/2015	32.3	0.2	32.5	15/06/2015	16.4	3.4	19.8
21/11/2015	31.8	0.0	31.8	25/05/2015	12.4	3.1	15.5
4/03/2015	31	0.1	31.1	4/09/2015	9.9	3.0	12.9

Table G-63: Scenario 3 – Receptor location 272

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	1.4	47.9	23/12/2015	10.3	3.7	14.0
26/11/2015	45.1	0.1	45.2	18/10/2015	22.6	3.7	26.3
7/10/2015	41.5	1.5	43.0	2/03/2015	22.2	3.6	25.8
15/12/2015	41.3	2.0	43.3	3/12/2015	21.3	3.3	24.6
12/12/2015	39.7	1.0	40.7	24/12/2015	13.7	3.3	17.0
9/02/2015	33.2	1.9	35.1	16/03/2015	25	3.3	28.3
11/03/2015	32.6	1.8	34.4	10/02/2015	15.5	3.0	18.5
9/03/2015	32.3	0.7	33.0	21/03/2015	16.4	2.9	19.3
21/11/2015	31.8	1.2	33.0	12/06/2015	10.4	2.9	13.3
4/03/2015	31	1.5	32.5	20/06/2015	8.8	2.9	11.7

Table G-64: Scenario 4 – Receptor location 21

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.6	19.6	92.2				
26/11/2015	56.3	11.2	67.5				
10/03/2015	46.8	0.5	47.3	30/05/2015	10.7	32.7	43.4
12/12/2015	46.2	0.1	46.3	24/04/2015	11	29.4	40.4
7/10/2015	40.7	8.3	49.0	4/06/2015	16.6	29.1	45.7
15/12/2015	39.9	2.4	42.3	27/06/2015	19.6	28.6	48.2
11/03/2015	37.8	0.9	38.7	28/05/2015		28.3	28.3
22/07/2015	37.5	10.3	47.8	28/07/2015	16.4	27.4	43.8
17/10/2015	37.4	2.2	39.6	29/05/2015	11.5	25.8	37.3
9/03/2015	37.2	4.3	41.5	18/06/2015	9	25.8	34.8
9/02/2015	37.1	1.2	38.3	20/05/2015	9.6	25.3	34.9
11/12/2015	36.2	13.1	49.3	5/07/2015	18.5	25.1	43.6
17/03/2015	35.7	1.3	37.0	30/07/2015	15.4	24.8	40.2
4/03/2015	35.6	0.4	36.0	7/06/2015	14.6	24.8	39.4
19/03/2015	34.5	8.9	43.4	31/07/2015	21.2	24.7	45.9
21/11/2015	34.5	2.0	36.5	25/05/2015	19.4	24.2	43.6
20/03/2015	33.7	13.4	47.1	5/06/2015	17.3	24.0	41.3
7/03/2015	33.6	7.8	41.4	12/05/2015	11.3	24.0	35.3
10/10/2015	33.1	6.7	39.8	3/06/2015	19.4	23.7	43.1
5/03/2015	33	8.4	41.4	23/06/2015	18.5	23.2	41.7
24/11/2015	33	0.0	33.0	6/10/2015	28	23.0	51.0
17/04/2015	32.8	1.1	33.9	2/07/2015	12.7	22.9	35.6
15/04/2015	32.5	5.5	38.0	11/07/2015	10.7	22.8	33.5
14/12/2015	31.7	2.9	34.6	23/07/2015	18.4	22.7	41.1
29/03/2015	31.2	1.4	32.6	14/08/2015	14.6	21.9	36.5
12/03/2015	31	10.2	41.2	8/05/2015	17	21.8	38.8
21/08/2015	31	15.6	46.6	2/08/2015	18.4	21.6	40.0
8/12/2015	30.8	0.8	31.6	30/08/2015	14.9	21.6	36.5
2/10/2015	30.7	7.5	38.2	29/08/2015	9.6	21.6	31.2
13/10/2015	30.4	1.6	32.0	8/06/2015	9.2	21.6	30.8
30/11/2015	30.3	5.1	35.4	27/04/2015	12.6	21.5	34.1
6/03/2015	30	2.8	32.8	27/05/2015		21.5	21.5
24/06/2015	30	13.7	43.7	5/05/2015	10.7	21.4	32.1
8/03/2015	29.7	6.4	36.1	7/08/2015	15.6	21.3	36.9
2/12/2015	29.5	10.4	39.9	4/10/2015	24.4	21.1	45.5
23/11/2015	29.4	5.7	35.1	19/11/2015	20.9	21.1	42.0
4/12/2015	29.3	0.0	29.3	31/05/2015	8.4	21.0	29.4
1/10/2015	29.1	11.6	40.7	27/08/2015	7.1	20.9	28.0
20/10/2015	29.1	7.4	36.5	20/11/2015	26.2	20.5	46.7

Table G-65: Scenario 4 – Receptor location 35b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	14.9	87.8				
26/11/2015	50.9	6.7	57.6				
10/03/2015	49.1	0.6	49.7	1/07/2015	11.1	25.6	36.7
15/12/2015	42.3	1.3	43.6	30/05/2015	9.8	21.6	31.4
12/12/2015	41.5	1.3	42.8	24/04/2015	8.8	21.5	30.3
7/10/2015	38.3	3.7	42.0	27/03/2015	22.6	20.6	43.2
9/03/2015	37.4	3.8	41.2	31/05/2015	5.1	19.8	24.9
11/12/2015	36.3	13.2	49.5	28/05/2015	12.2	19.5	31.7
4/03/2015	35.6	0.5	36.1	23/07/2015	13.5	19.3	32.8
9/02/2015	35.1	1.1	36.2	14/05/2015	15.7	19.0	34.7
17/10/2015	35	1.2	36.2	7/06/2015	11	18.8	29.8
7/03/2015	34.2	7.1	41.3	27/05/2015	13.7	18.7	32.4
19/03/2015	34.2	8.6	42.8	19/06/2015	9.1	18.4	27.5
11/03/2015	34	0.8	34.8	5/09/2015	12.7	18.3	31.0
17/04/2015	33.4	1.6	35.0	30/08/2015	10.3	18.1	28.4
8/03/2015	33.3	3.8	37.1	5/07/2015	12.8	17.9	30.7
17/03/2015	33.2	0.9	34.1	27/07/2015	8.6	17.8	26.4
30/11/2015	32.5	5.1	37.6	25/08/2015	4.6	17.6	22.2
14/12/2015	32.1	4.4	36.5	3/08/2015	9	17.4	26.4

Table G-66: Scenario 4 – Receptor location 43

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.8	47.3	15/04/2015	24	12.6	36.6
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	8.5	21.4
7/10/2015	41.5	0.2	41.7	20/06/2015	8.8	7.3	16.1
15/12/2015	41.3	2.4	43.7	13/06/2015	13.9	7.2	21.1
12/12/2015	39.7	0.0	39.7	9/01/2015	17.7	6.5	24.2
9/02/2015	33.2	0.9	34.1	26/02/2015	17.7	6.3	24.0
11/03/2015	32.6	1.0	33.6	13/09/2015	18.5	6.3	24.8
9/03/2015	32.3	1.8	34.1	27/05/2015	12.1	6.3	18.4
21/11/2015	31.8	1.7	33.5	18/05/2015	17.1	6.2	23.3
4/03/2015	31	0.6	31.6	15/06/2015	16.4	6.1	22.5

Table G-67: Scenario 4 – Receptor location 43b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.5	47.0	15/04/2015	24	6.6	30.6
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	5.2	18.1
7/10/2015	41.5	0.2	41.7	13/06/2015	13.9	4.4	18.3
15/12/2015	41.3	1.2	42.5	27/05/2015	12.1	4.1	16.2
12/12/2015	39.7	0.0	39.7	15/06/2015	16.4	4.0	20.4
9/02/2015	33.2	0.5	33.7	20/06/2015	8.8	3.7	12.5
11/03/2015	32.6	0.5	33.1	18/05/2015	17.1	3.6	20.7
9/03/2015	32.3	0.7	33.0	14/06/2015	14.5	3.5	18.0
21/11/2015	31.8	0.9	32.7	26/02/2015	17.7	3.5	21.2
4/03/2015	31	0.3	31.3	9/01/2015	17.7	3.4	21.1

Table G-68: Scenario 4 – Receptor location 47

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.5	47.0	16/06/2015	12.9	4.0	16.9
26/11/2015	45.1	0.0	45.1	20/06/2015	8.8	3.9	12.7
7/10/2015	41.5	0.2	41.7	15/04/2015	24	3.9	27.9
15/12/2015	41.3	1.4	42.7	19/10/2015	17.3	3.9	21.2
12/12/2015	39.7	0.1	39.8	13/06/2015	13.9	3.5	17.4
9/02/2015	33.2	0.4	33.6	8/01/2015	18.3	3.3	21.6
11/03/2015	32.6	0.7	33.3	27/05/2015	12.1	3.3	15.4
9/03/2015	32.3	0.8	33.1	27/09/2015	12.3	3.3	15.6
21/11/2015	31.8	0.7	32.5	3/01/2015	12.2	3.1	15.3
4/03/2015	31	0.4	31.4	15/06/2015	16.4	3.0	19.4

Table G-69: Scenario 4 – Receptor location 67

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	13.6	86.5				
26/11/2015	50.9	8.7	59.6				
10/03/2015	49.1	0.8	49.9	1/07/2015	11.1	31.0	42.1
15/12/2015	42.3	1.5	43.8	27/03/2015	22.6	22.9	45.5
12/12/2015	41.5	1.7	43.2	30/05/2015	9.8	22.6	32.4
7/10/2015	38.3	3.9	42.2	19/06/2015	9.1	22.3	31.4
9/03/2015	37.4	3.7	41.1	23/07/2015	13.5	22.2	35.7
11/12/2015	36.3	15.7	52.0	27/05/2015	13.7	22.0	35.7
4/03/2015	35.6	0.6	36.2	28/05/2015	12.2	21.9	34.1
9/02/2015	35.1	1.5	36.6	24/04/2015	8.8	21.2	30.0
17/10/2015	35	1.3	36.3	31/05/2015	5.1	21.1	26.2
7/03/2015	34.2	8.0	42.2	14/05/2015	15.7	20.4	36.1
19/03/2015	34.2	10.3	44.5	30/08/2015	10.3	20.2	30.5
11/03/2015	34	0.8	34.8	5/09/2015	12.7	19.9	32.6
17/04/2015	33.4	1.9	35.3	5/07/2015	12.8	19.7	32.5
8/03/2015	33.3	4.2	37.5	11/07/2015	6.4	19.7	26.1
17/03/2015	33.2	1.0	34.2	14/01/2015	8.2	19.7	27.9
30/11/2015	32.5	7.9	40.4	16/04/2015	18.4	19.6	38.0
14/12/2015	32.1	5.3	37.4	15/07/2015	8.4	19.5	27.9
12/03/2015	31.8	10.7	42.5	7/06/2015	11	19.2	30.2
20/03/2015	31.8	10.0	41.8	25/05/2015	12.2	18.9	31.1
21/11/2015	31.1	1.0	32.1	20/06/2015	9.6	18.7	28.3

Table G-70: Scenario 4 – Receptor location 102

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	11.5	84.4				
26/11/2015	50.9	12.7	63.6				
10/03/2015	49.1	1.3	50.4	1/07/2015	11.1	34.9	46.0
15/12/2015	42.3	2.0	44.3	27/05/2015	13.7	33.5	47.2
12/12/2015	41.5	2.9	44.4	28/05/2015	12.2	31.2	43.4
7/10/2015	38.3	5.4	43.7	23/07/2015	13.5	30.4	43.9
9/03/2015	37.4	3.3	40.7	19/06/2015	9.1	30.3	39.4
11/12/2015	36.3	19.1	55.4	23/04/2015	7.5	28.6	36.1
4/03/2015	35.6	0.7	36.3	25/05/2015	12.2	28.2	40.4
9/02/2015	35.1	2.7	37.8	20/06/2015	9.6	26.6	36.2
17/10/2015	35.0	1.3	36.3	5/06/2015	10.0	26.0	36.0

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
7/03/2015	34.2	11.4	45.6	30/05/2015	9.8	25.5	35.3
19/03/2015	34.2	14.2	48.4	11/07/2015	6.4	25.4	31.8
11/03/2015	34.0	1.0	35.0	5/09/2015	12.7	24.1	36.8
17/04/2015	33.4	2.7	36.1	5/07/2015	12.8	23.8	36.6
8/03/2015	33.3	5.9	39.2	30/08/2015	10.3	23.8	34.1
17/03/2015	33.2	1.5	34.7	15/07/2015	8.4	23.8	32.2
30/11/2015	32.5	9.9	42.4	14/01/2015	8.2	23.3	31.5
14/12/2015	32.1	5.9	38.0	27/03/2015	22.6	23.1	45.7
12/03/2015	31.8	15.0	46.8	16/04/2015	18.4	23.0	41.4
20/03/2015	31.8	11.4	43.2	7/06/2015	11.0	22.0	33.0
21/11/2015	31.1	1.1	32.2	27/06/2015	12.6	21.8	34.4
8/12/2015	31.1	1.5	32.6	4/08/2015	7.9	21.6	29.5
29/03/2015	31.0	1.9	32.9	25/08/2015	4.6	21.4	26.0
22/07/2015	29.5	14.6	44.1	4/07/2015	11.8	21.3	33.1
5/03/2015	29.4	9.6	39.0	18/08/2015	12.5	21.2	33.7
24/11/2015	29.2	0.0	29.2	7/08/2015	11.0	20.7	31.7

Table G-71: Scenario 4 – Receptor location 108

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	11.9	84.8				
26/11/2015	50.9	13.1	64.0				
10/03/2015	49.1	1.5	50.6	1/07/2015	11.1	36.8	47.9
15/12/2015	42.3	2.4	44.7	27/05/2015	13.7	36.3	50.0
12/12/2015	41.5	3.0	44.5	28/05/2015	12.2	33.4	45.6
7/10/2015	38.3	5.7	44.0	23/07/2015	13.5	32.9	46.4
9/03/2015	37.4	3.5	40.9	19/06/2015	9.1	32.6	41.7
11/12/2015	36.3	19.9	56.2	25/05/2015	12.2	31.6	43.8
4/03/2015	35.6	0.7	36.3	23/04/2015	7.5	30.8	38.3
9/02/2015	35.1	3.0	38.1	20/06/2015	9.6	28.3	37.9
17/10/2015	35.0	1.4	36.4	11/07/2015	6.4	27.3	33.7
7/03/2015	34.2	11.9	46.1	5/06/2015	10.0	27.1	37.1
19/03/2015	34.2	15.5	49.7	30/05/2015	9.8	26.8	36.6
11/03/2015	34.0	1.1	35.1	30/08/2015	10.3	25.4	35.7
17/04/2015	33.4	2.9	36.3	5/09/2015	12.7	25.4	38.1
8/03/2015	33.3	6.7	40.0	15/07/2015	8.4	25.4	33.8
17/03/2015	33.2	1.7	34.9	5/07/2015	12.8	25.1	37.9
30/11/2015	32.5	10.5	43.0	14/01/2015	8.2	24.3	32.5
14/12/2015	32.1	6.2	38.3	16/04/2015	18.4	24.1	42.5

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
12/03/2015	31.8	15.8	47.6	7/06/2015	11.0	24.1	35.1
20/03/2015	31.8	12.3	44.1	27/03/2015	22.6	23.9	46.5
21/11/2015	31.1	1.2	32.3	4/08/2015	7.9	22.7	30.6
8/12/2015	31.1	1.6	32.7	27/06/2015	12.6	22.6	35.2
29/03/2015	31.0	2.2	33.2	22/06/2015	11.6	22.5	34.1
22/07/2015	29.5	16.0	45.5	4/07/2015	11.8	22.3	34.1
5/03/2015	29.4	10.0	39.4	18/08/2015	12.5	22.1	34.6
24/11/2015	29.2	0.0	29.2	25/08/2015	4.6	21.9	26.5
18/03/2015	28.9	9.2	38.1	23/08/2015	14.3	21.8	36.1
15/04/2015	28.9	8.5	37.4	29/05/2015	8.1	21.7	29.8
13/10/2015	28.6	2.0	30.6	23/06/2015	10.3	21.4	31.7
13/12/2015	28.1	0.1	28.2	14/05/2015	15.7	21.2	36.9

Table G-72: Scenario 4 – Receptor location 112

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	12.6	85.5				
26/11/2015	50.9	13.9	64.8				
10/03/2015	49.1	1.6	50.7	1/07/2015	11.1	39.4	50.5
15/12/2015	42.3	2.8	45.1	27/05/2015	13.7	39.1	52.8
12/12/2015	41.5	3.2	44.7	23/07/2015	13.5	36.0	49.5
7/10/2015	38.3	6.0	44.3	28/05/2015	12.2	35.7	47.9
9/03/2015	37.4	3.7	41.1	19/06/2015	9.1	35.5	44.6
11/12/2015	36.3	21.1	57.4	25/05/2015	12.2	35.4	47.6
4/03/2015	35.6	0.8	36.4	23/04/2015	7.5	33.6	41.1
9/02/2015	35.1	3.3	38.4	20/06/2015	9.6	30.3	39.9
17/10/2015	35	1.5	36.5	11/07/2015	6.4	29.6	36.0
7/03/2015	34.2	12.3	46.5	30/05/2015	9.8	28.5	38.3
19/03/2015	34.2	17.1	51.3	5/06/2015	10	28.1	38.1
11/03/2015	34	1.1	35.1	30/08/2015	10.3	27.6	37.9
17/04/2015	33.4	3.1	36.5	15/07/2015	8.4	27.4	35.8
8/03/2015	33.3	7.6	40.9	5/07/2015	12.8	26.8	39.6
17/03/2015	33.2	2.0	35.2	5/09/2015	12.7	26.5	39.2
30/11/2015	32.5	11.5	44.0	7/06/2015	11	26.4	37.4
14/12/2015	32.1	6.7	38.8	14/01/2015	8.2	25.9	34.1
12/03/2015	31.8	16.4	48.2	16/04/2015	18.4	25.8	44.2
20/03/2015	31.8	13.4	45.2	27/03/2015	22.6	25.6	48.2
21/11/2015	31.1	1.3	32.4	22/06/2015	11.6	24.5	36.1
8/12/2015	31.1	1.7	32.8	4/08/2015	7.9	24.1	32.0

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
29/03/2015	31	2.5	33.5	23/08/2015	14.3	23.6	37.9
22/07/2015	29.5	17.5	47.0	4/07/2015	11.8	23.5	35.3
5/03/2015	29.4	10.5	39.9	29/05/2015	8.1	23.4	31.5
24/11/2015	29.2	0.0	29.2	18/08/2015	12.5	23.3	35.8
18/03/2015	28.9	10.5	39.4	27/06/2015	12.6	23.3	35.9
15/04/2015	28.9	10.0	38.9	14/05/2015	15.7	23.1	38.8
13/10/2015	28.6	2.2	30.8	24/06/2015	19	23.0	42.0
13/12/2015	28.1	0.1	28.2	5/05/2015	10.4	22.9	33.3
10/10/2015	27	17.1	44.1	23/06/2015	10.3	22.8	33.1

Table G-73: Scenario 4 – Receptor location 118

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	12.0	84.9				
26/11/2015	50.9	12.8	63.7				
10/03/2015	49.1	1.7	50.8	27/05/2015	13.7	40.3	54.0
15/12/2015	42.3	2.7	45.0	1/07/2015	11.1	39.0	50.1
12/12/2015	41.5	3.3	44.8	28/05/2015	12.2	36.5	48.7
7/10/2015	38.3	6.0	44.3	23/07/2015	13.5	35.9	49.4
9/03/2015	37.4	3.7	41.1	25/05/2015	12.2	35.9	48.1
11/12/2015	36.3	20.1	56.4	19/06/2015	9.1	35.2	44.3
4/03/2015	35.6	0.8	36.4	23/04/2015	7.5	33.3	40.8
9/02/2015	35.1	3.4	38.5	20/06/2015	9.6	30.8	40.4
17/10/2015	35	1.4	36.4	5/06/2015	10	29.2	39.2
7/03/2015	34.2	12.7	46.9	11/07/2015	6.4	29.2	35.6
19/03/2015	34.2	16.8	51.0	30/05/2015	9.8	27.8	37.6
11/03/2015	34	1.1	35.1	15/07/2015	8.4	27.2	35.6
17/04/2015	33.4	3.1	36.5	5/09/2015	12.7	27.1	39.8
8/03/2015	33.3	7.5	40.8	30/08/2015	10.3	26.8	37.1
17/03/2015	33.2	1.9	35.1	5/07/2015	12.8	26.3	39.1
30/11/2015	32.5	10.9	43.4	7/06/2015	11	26.2	37.2
14/12/2015	32.1	6.3	38.4	22/06/2015	11.6	25.6	37.2
12/03/2015	31.8	16.6	48.4	14/01/2015	8.2	24.6	32.8
20/03/2015	31.8	13.1	44.9	27/06/2015	12.6	24.5	37.1
21/11/2015	31.1	1.3	32.4	16/04/2015	18.4	24.3	42.7
8/12/2015	31.1	1.6	32.7	27/03/2015	22.6	24.0	46.6
29/03/2015	31	2.4	33.4	23/08/2015	14.3	23.5	37.8
22/07/2015	29.5	17.5	47.0	4/07/2015	11.8	23.4	35.2
5/03/2015	29.4	10.8	40.2	29/05/2015	8.1	23.3	31.4

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
24/11/2015	29.2	0.0	29.2	4/08/2015	7.9	23.2	31.1
18/03/2015	28.9	9.9	38.8	30/06/2015	13.8	23.2	37.0
15/04/2015	28.9	9.7	38.6	18/08/2015	12.5	22.9	35.4
13/10/2015	28.6	2.1	30.7	24/06/2015	19	22.8	41.8
13/12/2015	28.1	0.1	28.2	23/06/2015	10.3	22.8	33.1
10/10/2015	27	17.2	44.2	25/08/2015	4.6	22.4	27.0

Table G-74: Scenario 4 – Receptor location 120

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	11.8	84.7				
26/11/2015	50.9	12.1	63.0				
10/03/2015	49.1	1.7	50.8	27/05/2015	13.7	40.7	54.4
15/12/2015	42.3	2.5	44.8	1/07/2015	11.1	38.7	49.8
12/12/2015	41.5	3.3	44.8	28/05/2015	12.2	36.7	48.9
7/10/2015	38.3	6.0	44.3	23/07/2015	13.5	35.5	49.0
9/03/2015	37.4	3.7	41.1	25/05/2015	12.2	35.3	47.5
11/12/2015	36.3	19.5	55.8	19/06/2015	9.1	34.8	43.9
4/03/2015	35.6	0.8	36.4	23/04/2015	7.5	32.7	40.2
9/02/2015	35.1	3.4	38.5	20/06/2015	9.6	31.0	40.6
17/10/2015	35.0	1.4	36.4	5/06/2015	10.0	30.0	40.0
7/03/2015	34.2	13.0	47.2	11/07/2015	6.4	28.7	35.1
19/03/2015	34.2	16.5	50.7	5/09/2015	12.7	27.4	40.1
11/03/2015	34.0	1.1	35.1	30/05/2015	9.8	27.4	37.2
17/04/2015	33.4	3.1	36.5	15/07/2015	8.4	27.0	35.4
8/03/2015	33.3	7.3	40.6	30/08/2015	10.3	26.2	36.5
17/03/2015	33.2	1.8	35.0	5/07/2015	12.8	25.9	38.7
30/11/2015	32.5	10.4	42.9	22/06/2015	11.6	25.9	37.5
14/12/2015	32.1	6.1	38.2	7/06/2015	11.0	25.9	36.9
12/03/2015	31.8	16.5	48.3	27/06/2015	12.6	25.1	37.7
20/03/2015	31.8	12.9	44.7	14/01/2015	8.2	24.0	32.2
21/11/2015	31.1	1.2	32.3	30/06/2015	13.8	23.6	37.4
8/12/2015	31.1	1.6	32.7	16/04/2015	18.4	23.5	41.9
29/03/2015	31.0	2.3	33.3	27/03/2015	22.6	23.3	45.9
22/07/2015	29.5	17.3	46.8	29/05/2015	8.1	23.2	31.3
5/03/2015	29.4	10.9	40.3	2/06/2015	11.0	23.2	34.2
24/11/2015	29.2	0.0	29.2	4/07/2015	11.8	23.2	35.0
18/03/2015	28.9	9.4	38.3	23/08/2015	14.3	23.0	37.3
15/04/2015	28.9	9.3	38.2	7/08/2015	11.0	23.0	34.0

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
13/10/2015	28.6	1.9	30.5	18/08/2015	12.5	22.7	35.2
13/12/2015	28.1	0.1	28.2	24/06/2015	19.0	22.7	41.7
10/10/2015	27.0	16.9	43.9	23/06/2015	10.3	22.6	32.9

Table G-75: Scenario 4 – Receptor location 120c

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	11.9	84.8				
26/11/2015	50.9	12.2	63.1				
10/03/2015	49.1	1.7	50.8	27/05/2015	13.7	41.6	55.3
15/12/2015	42.3	2.6	44.9	1/07/2015	11.1	39.3	50.4
12/12/2015	41.5	3.3	44.8	28/05/2015	12.2	37.3	49.5
7/10/2015	38.3	6.0	44.3	25/05/2015	12.2	36.4	48.6
9/03/2015	37.4	3.8	41.2	23/07/2015	13.5	36.3	49.8
11/12/2015	36.3	19.7	56.0	19/06/2015	9.1	35.5	44.6
4/03/2015	35.6	0.8	36.4	23/04/2015	7.5	33.4	40.9
9/02/2015	35.1	3.5	38.6	20/06/2015	9.6	31.6	41.2
17/10/2015	35.0	1.4	36.4	5/06/2015	10.0	30.3	40.3
7/03/2015	34.2	13.2	47.4	11/07/2015	6.4	29.2	35.6
19/03/2015	34.2	16.8	51.0	5/09/2015	12.7	27.8	40.5
11/03/2015	34.0	1.1	35.1	30/05/2015	9.8	27.7	37.5
17/04/2015	33.4	3.1	36.5	15/07/2015	8.4	27.5	35.9
8/03/2015	33.3	7.5	40.8	30/08/2015	10.3	26.6	36.9
17/03/2015	33.2	1.9	35.1	22/06/2015	11.6	26.5	38.1
30/11/2015	32.5	10.6	43.1	7/06/2015	11.0	26.5	37.5
14/12/2015	32.1	6.1	38.2	5/07/2015	12.8	26.3	39.1
12/03/2015	31.8	16.7	48.5	27/06/2015	12.6	25.4	38.0
20/03/2015	31.8	13.1	44.9	14/01/2015	8.2	24.2	32.4
21/11/2015	31.1	1.3	32.4	30/06/2015	13.8	24.1	37.9
8/12/2015	31.1	1.6	32.7	16/04/2015	18.4	23.7	42.1
29/03/2015	31.0	2.4	33.4	29/05/2015	8.1	23.6	31.7
22/07/2015	29.5	17.7	47.2	23/08/2015	14.3	23.6	37.9
5/03/2015	29.4	11.1	40.5	2/06/2015	11.0	23.5	34.5
24/11/2015	29.2	0.0	29.2	27/03/2015	22.6	23.5	46.1
18/03/2015	28.9	9.7	38.6	4/07/2015	11.8	23.4	35.2
15/04/2015	28.9	9.7	38.6	7/08/2015	11.0	23.2	34.2
13/10/2015	28.6	2.0	30.6	24/06/2015	19.0	23.1	42.1
13/12/2015	28.1	0.1	28.2	23/06/2015	10.3	23.0	33.3
10/10/2015	27.0	17.5	44.5	18/08/2015	12.5	22.9	35.4

Table G-76: Scenario 4 – Receptor location 121

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	12.0	84.9				
26/11/2015	50.9	12.3	63.2				
10/03/2015	49.1	1.8	50.9	27/05/2015	13.7	43.2	56.9
15/12/2015	42.3	2.8	45.1	1/07/2015	11.1	40.2	51.3
12/12/2015	41.5	3.4	44.9	28/05/2015	12.2	38.4	50.6
7/10/2015	38.3	6.1	44.4	25/05/2015	12.2	38.3	50.5
9/03/2015	37.4	3.9	41.3	23/07/2015	13.5	37.7	51.2
11/12/2015	36.3	20.1	56.4	19/06/2015	9.1	36.7	45.8
4/03/2015	35.6	0.8	36.4	23/04/2015	7.5	34.4	41.9
9/02/2015	35.1	3.7	38.8	20/06/2015	9.6	32.6	42.2
17/10/2015	35	1.4	36.4	5/06/2015	10	31.0	41.0
7/03/2015	34.2	13.4	47.6	11/07/2015	6.4	30.1	36.5
19/03/2015	34.2	17.4	51.6	5/09/2015	12.7	28.4	41.1
11/03/2015	34	1.1	35.1	15/07/2015	8.4	28.3	36.7
17/04/2015	33.4	3.2	36.6	30/05/2015	9.8	28.1	37.9
8/03/2015	33.3	7.9	41.2	22/06/2015	11.6	27.7	39.3
17/03/2015	33.2	2.0	35.2	7/06/2015	11	27.4	38.4
30/11/2015	32.5	10.8	43.3	30/08/2015	10.3	27.3	37.6
14/12/2015	32.1	6.2	38.3	5/07/2015	12.8	26.8	39.6
12/03/2015	31.8	17.1	48.9	27/06/2015	12.6	26.0	38.6
20/03/2015	31.8	13.5	45.3	30/06/2015	13.8	25.2	39.0
21/11/2015	31.1	1.3	32.4	14/01/2015	8.2	24.5	32.7
8/12/2015	31.1	1.7	32.8	23/08/2015	14.3	24.3	38.6
29/03/2015	31	2.5	33.5	29/05/2015	8.1	24.3	32.4
22/07/2015	29.5	18.4	47.9	2/06/2015	11	24.1	35.1
5/03/2015	29.4	11.3	40.7	16/04/2015	18.4	24.1	42.5
24/11/2015	29.2	0.0	29.2	24/06/2015	19	23.9	42.9
18/03/2015	28.9	10.1	39.0	27/03/2015	22.6	23.8	46.4
15/04/2015	28.9	10.2	39.1	4/07/2015	11.8	23.8	35.6
13/10/2015	28.6	2.0	30.6	23/06/2015	10.3	23.6	33.9
13/12/2015	28.1	0.2	28.3	7/08/2015	11	23.5	34.5
10/10/2015	27	18.5	45.5	18/08/2015	12.5	23.4	35.9
2/10/2015	26.9	17.1	44.0	4/08/2015	7.9	23.1	31.0

Table G-77: Scenario 4 – Receptor location 136

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	7.5	72.3				
10/03/2015	46.5	1.7	48.2	27/05/2015	12.1	40.1	52.2
26/11/2015	45.1	4.8	49.9	20/06/2015	8.8	39.0	47.8
7/10/2015	41.5	3.9	45.4	4/09/2015	9.9	33.7	43.6
15/12/2015	41.3	0.8	42.1	1/07/2015	8.8	32.6	41.4
12/12/2015	39.7	9.4	49.1	23/07/2015	10.3	31.6	41.9
9/02/2015	33.2	2.0	35.2	19/06/2015	7.3	28.8	36.1
11/03/2015	32.6	1.2	33.8	16/07/2015	5	28.0	33.0
9/03/2015	32.3	1.6	33.9	5/06/2015	10.1	27.6	37.7
21/11/2015	31.8	0.0	31.8	18/08/2015	10.6	26.9	37.5
4/03/2015	31	0.9	31.9	23/04/2015	5.9	26.8	32.7
12/03/2015	29.9	14.8	44.7	15/07/2015	7.8	26.7	34.5
17/03/2015	29.8	1.1	30.9	5/04/2015	6.5	24.8	31.3
24/11/2015	29.6	0.0	29.6	31/01/2015	18.6	24.8	43.4
22/07/2015	29.2	15.9	45.1	11/07/2015	5.8	23.6	29.4
14/12/2015	29.1	4.1	33.2	31/05/2015	5.9	23.5	29.4
7/03/2015	28.9	14.9	43.8	27/06/2015	11	23.0	34.0
8/12/2015	28.9	1.4	30.3	24/06/2015	13.4	22.8	36.2
17/04/2015	28.4	5.1	33.5	2/06/2015	10.1	22.8	32.9
2/10/2015	28	13.2	41.2	9/06/2015	10	21.6	31.6

Table G-78: Scenario 4 – Receptor location 140a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	2.6	67.4				
10/03/2015	46.5	1.2	47.7	16/07/2015	5	19.0	24.0
26/11/2015	45.1	2.9	48.0	20/06/2015	8.8	18.3	27.1
7/10/2015	41.5	0.7	42.2	4/09/2015	9.9	18.2	28.1
15/12/2015	41.3	0.3	41.6	27/05/2015	12.1	17.8	29.9
12/12/2015	39.7	8.1	47.8	31/01/2015	18.6	17.5	36.1
9/02/2015	33.2	0.9	34.1	1/07/2015	8.8	16.9	25.7
11/03/2015	32.6	0.9	33.5	18/08/2015	10.6	16.8	27.4
9/03/2015	32.3	0.9	33.2	9/06/2015	10	15.6	25.6
21/11/2015	31.8	0.0	31.8	19/06/2015	7.3	15.4	22.7
4/03/2015	31	0.9	31.9	1/06/2015	6.2	15.4	21.6

Table G-79: Scenario 4 – Receptor location 143a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.1	64.9				
10/03/2015	46.5	3.3	49.8	16/06/2015	12.9	25.6	38.5
26/11/2015	45.1	1.6	46.7	5/04/2015	6.5	24.4	30.9
7/10/2015	41.5	0.2	41.7	18/09/2015	15	23.3	38.3
15/12/2015	41.3	0.4	41.7	1/11/2015	16.4	22.9	39.3
12/12/2015	39.7	18.0	57.7	27/05/2015	12.1	21.2	33.3
9/02/2015	33.2	2.4	35.6	31/10/2015	19.7	20.6	40.3
11/03/2015	32.6	2.8	35.4	16/07/2015	5	18.9	23.9
9/03/2015	32.3	2.6	34.9	9/01/2015	17.7	18.7	36.4
21/11/2015	31.8	0.0	31.8	4/09/2015	9.9	18.3	28.2
4/03/2015	31	1.6	32.6	19/06/2015	7.3	18.2	25.5

Table G-80: Scenario 4 – Receptor location 147

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	7.7	54.2	16/06/2015	12.9	73.5	86.4
26/11/2015	45.1	1.3	46.4	1/11/2015	16.4	50.1	66.5
7/10/2015	41.5	0.6	42.1	18/09/2015	15	48.7	63.7
15/12/2015	41.3	0.6	41.9	31/10/2015	19.7	47.4	67.1
12/12/2015	39.7	13.7	53.4	9/01/2015	17.7	46.4	64.1
9/02/2015	33.2	7.7	40.9	23/05/2015	12.6	42.3	54.9
11/03/2015	32.6	8.0	40.6	19/10/2015	17.3	39.8	57.1
9/03/2015	32.3	6.3	38.6	5/04/2015	6.5	38.9	45.4
21/11/2015	31.8	0.0	31.8	27/02/2015	19.8	36.7	56.5
4/03/2015	31	2.2	33.2	19/09/2015	13.5	35.1	48.6
12/03/2015	29.9	13.9	43.8	3/07/2015	17.2	34.8	52.0
17/03/2015	29.8	4.0	33.8	19/07/2015	14.9	33.0	47.9
24/11/2015	29.6	0.1	29.7	8/07/2015	13.3	32.5	45.8
22/07/2015	29.2	32.3	61.5	22/07/2015	29.2	32.3	61.5
14/12/2015	29.1	7.9	37.0	4/01/2015	16.2	31.1	47.3
7/03/2015	28.9	3.1	32.0	21/04/2015	2.5	30.4	32.9
8/12/2015	28.9	9.9	38.8	27/05/2015	12.1	30.4	42.5
17/04/2015	28.4	1.9	30.3	26/05/2015	11.1	30.0	41.1
2/10/2015	28	1.8	29.8	10/01/2015	19.2	29.6	48.8
29/03/2015	27.5	1.9	29.4	25/06/2015	8.8	29.6	38.4
17/10/2015	27.5	2.9	30.4	10/10/2015	24.8	29.3	54.1

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
13/10/2015	27.2	14.2	41.4	2/04/2015	17	29.0	46.0
5/03/2015	26.9	14.3	41.2	30/01/2015	13.9	27.7	41.6
20/03/2015	26.8	4.0	30.8	15/07/2015	7.8	27.1	34.9
8/03/2015	26.6	14.8	41.4	16/09/2015	17.3	27.0	44.3
30/11/2015	26.5	23.4	49.9	17/11/2015	10.3	26.4	36.7
13/12/2015	26.2	2.0	28.2	16/12/2015	15.4	24.9	40.3
2/12/2015	26	0.2	26.2	1/04/2015	14.5	24.9	39.4
28/11/2015	25.2	0.5	25.7	30/03/2015	22.9	24.5	47.4

Table G-81: Scenario 4 – Receptor location 153a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	8.9	55.4	4/04/2015	4.6	24.3	28.9
26/11/2015	45.1	1.6	46.7	13/01/2015	14	17.8	31.8
7/10/2015	41.5	3.9	45.4	14/03/2015	20.9	17.0	37.9
15/12/2015	41.3	6.6	47.9	1/05/2015	8.4	17.0	25.4
12/12/2015	39.7	4.6	44.3	5/02/2015	18.4	16.9	35.3
9/02/2015	33.2	5.3	38.5	4/05/2015	12.1	16.8	28.9
11/03/2015	32.6	13.0	45.6	17/05/2015	9.2	16.7	25.9
9/03/2015	32.3	5.1	37.4	19/07/2015	14.9	16.6	31.5
21/11/2015	31.8	4.9	36.7	1/04/2015	14.5	15.3	29.8
4/03/2015	31	11.9	42.9	11/06/2015	15.6	15.3	30.9

Table G-82: Scenario 4 – Receptor location 257

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.3	46.8	9/01/2015	17.7	8.8	26.5
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	6.7	19.6
7/10/2015	41.5	0.1	41.6	13/06/2015	13.9	5.5	19.4
15/12/2015	41.3	1.7	43.0	14/06/2015	14.5	5.5	20.0
12/12/2015	39.7	0.0	39.7	15/04/2015	24	5.2	29.2

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
9/02/2015	33.2	0.9	34.1	27/05/2015	12.1	5.0	17.1
11/03/2015	32.6	0.4	33.0	13/09/2015	18.5	4.9	23.4
9/03/2015	32.3	0.2	32.5	15/06/2015	16.4	4.7	21.1
21/11/2015	31.8	0.0	31.8	25/05/2015	12.4	4.6	17.0
4/03/2015	31	0.1	31.1	29/06/2015	14	4.1	18.1

Table G-83: Scenario 4 – Receptor location 258a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.3	46.8	9/01/2015	17.7	10.6	28.3
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	6.0	18.9
7/10/2015	41.5	0.1	41.6	13/06/2015	13.9	4.8	18.7
15/12/2015	41.3	1.4	42.7	14/06/2015	14.5	4.6	19.1
12/12/2015	39.7	0.0	39.7	15/04/2015	24	4.5	28.5
9/02/2015	33.2	0.7	33.9	27/05/2015	12.1	4.4	16.5
11/03/2015	32.6	0.4	33.0	15/06/2015	16.4	4.2	20.6
9/03/2015	32.3	0.2	32.5	13/09/2015	18.5	4.1	22.6
21/11/2015	31.8	0.0	31.8	25/05/2015	12.4	3.9	16.3
4/03/2015	31	0.1	31.1	29/06/2015	14	3.5	17.5

Table G-84: Scenario 4 – Receptor location 272

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	1.7	48.2	2/03/2015	22.2	3.9	26.1
26/11/2015	45.1	0.2	45.3	23/12/2015	10.3	3.9	14.2
7/10/2015	41.5	1.6	43.1	3/12/2015	21.3	3.6	24.9
15/12/2015	41.3	2.2	43.5	24/12/2015	13.7	3.3	17.0
12/12/2015	39.7	1.2	40.9	20/06/2015	8.8	3.2	12.0
9/02/2015	33.2	2.0	35.2	21/03/2015	16.4	3.2	19.6
11/03/2015	32.6	1.7	34.3	10/02/2015	15.5	3.1	18.6
9/03/2015	32.3	0.7	33.0	19/07/2015	14.9	3.0	17.9

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
21/11/2015	31.8	1.3	33.1	16/03/2015	25	2.9	27.9
4/03/2015	31	1.5	32.5	6/01/2015	15.8	2.9	18.7

Table G-85: Scenario 5 – Receptor location 21

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.6	19.7	92.3				
26/11/2015	56.3	11.2	67.5				
10/03/2015	46.8	0.6	47.4	30/05/2015	10.7	31.2	41.9
12/12/2015	46.2	0.1	46.3	4/06/2015	16.6	30.1	46.7
7/10/2015	40.7	9.3	50.0	28/05/2015		29.6	29.6
15/12/2015	39.9	2.3	42.2	24/04/2015	11	29.4	40.4
11/03/2015	37.8	1.0	38.8	27/06/2015	19.6	29.3	48.9
22/07/2015	37.5	10.3	47.8	5/07/2015	18.5	25.8	44.3
17/10/2015	37.4	1.9	39.3	28/07/2015	16.4	25.6	42.0
9/03/2015	37.2	4.4	41.6	23/06/2015	18.5	25.5	44.0
9/02/2015	37.1	0.9	38.0	7/06/2015	14.6	25.3	39.9
11/12/2015	36.2	12.9	49.1	31/07/2015	21.2	25.3	46.5
17/03/2015	35.7	1.1	36.8	30/07/2015	15.4	25.1	40.5
4/03/2015	35.6	0.4	36.0	25/05/2015	19.4	25.1	44.5
19/03/2015	34.5	8.5	43.0	3/06/2015	19.4	24.9	44.3
21/11/2015	34.5	2.2	36.7	18/06/2015	9	24.4	33.4
20/03/2015	33.7	16.1	49.8	12/05/2015	11.3	24.3	35.6
7/03/2015	33.6	7.9	41.5	29/05/2015	11.5	23.5	35.0
10/10/2015	33.1	6.7	39.8	20/05/2015	9.6	23.5	33.1
5/03/2015	33	7.9	40.9	2/07/2015	12.7	22.8	35.5
24/11/2015	33	0.0	33.0	11/07/2015	10.7	22.8	33.5
17/04/2015	32.8	1.1	33.9	27/05/2015		22.7	22.7
15/04/2015	32.5	5.7	38.2	6/10/2015	28	22.7	50.7
14/12/2015	31.7	2.5	34.2	27/08/2015	7.1	22.6	29.7
29/03/2015	31.2	1.2	32.4	14/08/2015	14.6	21.9	36.5
12/03/2015	31	10.2	41.2	5/06/2015	17.3	21.8	39.1
21/08/2015	31	16.0	47.0	23/07/2015	18.4	21.8	40.2
8/12/2015	30.8	0.9	31.7	8/05/2015	17	21.7	38.7
2/10/2015	30.7	7.7	38.4	8/06/2015	9.2	21.6	30.8
13/10/2015	30.4	1.6	32.0	20/11/2015	26.2	21.5	47.7
30/11/2015	30.3	5.4	35.7	4/07/2015	21.8	21.4	43.2
6/03/2015	30	2.6	32.6	19/11/2015	20.9	21.4	42.3
24/06/2015	30	14.7	44.7	7/08/2015	15.6	21.4	37.0

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
8/03/2015	29.7	6.3	36.0	5/05/2015	10.7	21.3	32.0
2/12/2015	29.5	10.2	39.7	29/08/2015	9.6	21.0	30.6
23/11/2015	29.4	4.7	34.1	2/08/2015	18.4	20.9	39.3
4/12/2015	29.3	0.0	29.3	4/10/2015	24.4	20.9	45.3
1/10/2015	29.1	11.1	40.2	9/05/2015	13.9	20.6	34.5

Table G-86: Scenario 5 – Receptor location 35b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	15.3	88.2				
26/11/2015	50.9	6.7	57.6				
10/03/2015	49.1	0.7	49.8	30/05/2015	9.8	26.0	35.8
15/12/2015	42.3	1.3	43.6	1/07/2015	11.1	25.0	36.1
12/12/2015	41.5	0.9	42.4	24/04/2015	8.8	23.5	32.3
7/10/2015	38.3	5.0	43.3	28/05/2015	12.2	21.9	34.1
9/03/2015	37.4	4.3	41.7	14/05/2015	15.7	21.5	37.2
11/12/2015	36.3	14.2	50.5	27/03/2015	22.6	21.2	43.8
4/03/2015	35.6	0.5	36.1	27/05/2015	13.7	21.0	34.7
9/02/2015	35.1	1.0	36.1	14/08/2015	10.2	20.8	31.0
17/10/2015	35	1.1	36.1	7/06/2015	11	20.5	31.5
7/03/2015	34.2	8.1	42.3	2/06/2015	11	20.3	31.3
19/03/2015	34.2	8.0	42.2	31/05/2015	5.1	20.2	25.3
11/03/2015	34	0.9	34.9	23/07/2015	13.5	19.9	33.4
17/04/2015	33.4	1.7	35.1	27/06/2015	12.6	19.7	32.3
8/03/2015	33.3	3.9	37.2	18/06/2015	5	19.6	24.6
17/03/2015	33.2	0.7	33.9	6/04/2015	7.7	19.4	27.1
30/11/2015	32.5	4.9	37.4	27/07/2015	8.6	19.3	27.9
14/12/2015	32.1	4.3	36.4	5/05/2015	10.4	19.1	29.5
12/03/2015	31.8	8.2	40.0	5/07/2015	12.8	19.1	31.9
20/03/2015	31.8	11.2	43.0	19/06/2015	9.1	18.9	28.0
21/11/2015	31.1	0.7	31.8	30/08/2015	10.3	18.8	29.1

Table G-87: Scenario 5 – Receptor location 43

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.8	47.3	15/04/2015	24	14.5	38.5
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	9.9	22.8
7/10/2015	41.5	0.2	41.7	27/05/2015	12.1	8.8	20.9
15/12/2015	41.3	2.7	44.0	20/06/2015	8.8	8.3	17.1
12/12/2015	39.7	0.0	39.7	13/06/2015	13.9	8.1	22.0
9/02/2015	33.2	0.9	34.1	9/01/2015	17.7	7.8	25.5
11/03/2015	32.6	1.2	33.8	14/06/2015	14.5	7.2	21.7
9/03/2015	32.3	1.4	33.7	13/09/2015	18.5	7.1	25.6
21/11/2015	31.8	1.4	33.2	26/02/2015	17.7	6.9	24.6
4/03/2015	31	0.6	31.6	15/06/2015	16.4	6.8	23.2

Table G-88: Scenario 5 – Receptor location 43b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.5	47.0	15/04/2015	24	7.7	31.7
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	6.2	19.1
7/10/2015	41.5	0.2	41.7	27/05/2015	12.1	5.7	17.8
15/12/2015	41.3	1.5	42.8	13/06/2015	13.9	5.0	18.9
12/12/2015	39.7	0.0	39.7	14/06/2015	14.5	4.9	19.4
9/02/2015	33.2	0.6	33.8	15/06/2015	16.4	4.4	20.8
11/03/2015	32.6	0.6	33.2	25/05/2015	12.4	4.3	16.7
9/03/2015	32.3	0.5	32.8	20/06/2015	8.8	4.3	13.1
21/11/2015	31.8	0.8	32.6	9/01/2015	17.7	4.1	21.8
4/03/2015	31	0.3	31.3	13/09/2015	18.5	3.9	22.4

Table G-89: Scenario 5 – Receptor location 47

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.5	47.0	15/04/2015	24	5.2	29.2
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	5.0	17.9
7/10/2015	41.5	0.2	41.7	20/06/2015	8.8	4.6	13.4
15/12/2015	41.3	1.6	42.9	27/05/2015	12.1	4.6	16.7
12/12/2015	39.7	0.1	39.8	19/10/2015	17.3	4.0	21.3
9/02/2015	33.2	0.4	33.6	13/06/2015	13.9	3.9	17.8
11/03/2015	32.6	0.8	33.4	14/06/2015	14.5	3.5	18.0
9/03/2015	32.3	0.7	33.0	15/06/2015	16.4	3.4	19.8
21/11/2015	31.8	0.9	32.7	8/01/2015	18.3	3.3	21.6
4/03/2015	31	0.4	31.4	25/05/2015	12.4	3.2	15.6

Table G-89: Scenario 5 – Receptor location 67

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	14.3	87.2				
26/11/2015	50.9	8.0	58.9				
10/03/2015	49.1	0.8	49.9	1/07/2015	11.1	31.6	42.7
15/12/2015	42.3	1.4	43.7	30/05/2015	9.8	26.1	35.9
12/12/2015	41.5	1.3	42.8	14/05/2015	15.7	25.1	40.8
7/10/2015	38.3	5.7	44.0	28/05/2015	12.2	25.0	37.2
9/03/2015	37.4	4.1	41.5	27/03/2015	22.6	24.4	47.0
11/12/2015	36.3	16.7	53.0	27/05/2015	13.7	24.4	38.1
4/03/2015	35.6	0.6	36.2	19/06/2015	9.1	23.8	32.9
9/02/2015	35.1	1.3	36.4	24/04/2015	8.8	23.6	32.4
17/10/2015	35	1.1	36.1	23/07/2015	13.5	22.8	36.3
7/03/2015	34.2	9.6	43.8	20/06/2015	9.6	22.3	31.9
19/03/2015	34.2	9.4	43.6	31/05/2015	5.1	21.9	27.0
11/03/2015	34	1.0	35.0	2/06/2015	11	21.7	32.7
17/04/2015	33.4	2.0	35.4	6/04/2015	7.7	21.4	29.1
8/03/2015	33.3	4.3	37.6	30/08/2015	10.3	21.3	31.6
17/03/2015	33.2	0.8	34.0	7/06/2015	11	21.3	32.3
30/11/2015	32.5	6.2	38.7	5/07/2015	12.8	21.2	34.0
14/12/2015	32.1	5.1	37.2	5/05/2015	10.4	20.8	31.2
12/03/2015	31.8	9.0	40.8	14/08/2015	10.2	20.8	31.0
20/03/2015	31.8	12.1	43.9	15/07/2015	8.4	20.8	29.2
21/11/2015	31.1	0.7	31.8	7/08/2015	11	20.7	31.7

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
8/12/2015	31.1	1.2	32.3	27/06/2015	12.6	20.6	33.2
29/03/2015	31	1.2	32.2	25/05/2015	12.2	20.6	32.8
22/07/2015	29.5	10.0	39.5	27/07/2015	8.6	20.4	29.0

Table G-90: Scenario 5 – Receptor location 102

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	14.0	86.9				
26/11/2015	50.9	10.6	61.5				
10/03/2015	49.1	1.1	50.2	1/07/2015	11.1	40.7	51.8
15/12/2015	42.3	1.4	43.7	27/05/2015	13.7	34.6	48.3
12/12/2015	41.5	2.5	44.0	28/05/2015	12.2	33.8	46.0
7/10/2015	38.3	6.5	44.8	19/06/2015	9.1	33.3	42.4
9/03/2015	37.4	4.0	41.4	20/06/2015	9.6	31.9	41.5
11/12/2015	36.3	19.4	55.7	23/07/2015	13.5	29.3	42.8
4/03/2015	35.6	0.8	36.4	23/04/2015	7.5	29.0	36.5
9/02/2015	35.1	2.1	37.2	14/05/2015	15.7	28.7	44.4
17/10/2015	35.0	1.2	36.2	5/06/2015	10.0	27.3	37.3
7/03/2015	34.2	14.1	48.3	30/05/2015	9.8	27.2	37.0
19/03/2015	34.2	13.0	47.2	2/06/2015	11.0	25.9	36.9
11/03/2015	34.0	1.1	35.1	27/03/2015	22.6	25.9	48.5
17/04/2015	33.4	2.6	36.0	11/07/2015	6.4	25.9	32.3
8/03/2015	33.3	4.8	38.1	27/06/2015	12.6	25.7	38.3
17/03/2015	33.2	1.0	34.2	5/07/2015	12.8	25.2	38.0
30/11/2015	32.5	8.7	41.2	7/08/2015	11.0	24.5	35.5
14/12/2015	32.1	5.6	37.7	15/07/2015	8.4	24.4	32.8
12/03/2015	31.8	11.7	43.5	30/08/2015	10.3	24.3	34.6
20/03/2015	31.8	13.7	45.5	5/09/2015	12.7	24.2	36.9
21/11/2015	31.1	0.3	31.4	23/06/2015	10.3	24.2	34.5
8/12/2015	31.1	1.6	32.7	24/04/2015	8.8	24.2	33.0
29/03/2015	31.0	1.5	32.5	14/01/2015	8.2	23.6	31.8
22/07/2015	29.5	13.4	42.9	31/05/2015	5.1	23.5	28.6
5/03/2015	29.4	10.6	40.0	16/04/2015	18.4	23.3	41.7
24/11/2015	29.2	0.0	29.2	25/05/2015	12.2	23.1	35.3
18/03/2015	28.9	6.6	35.5	25/08/2015	4.6	22.6	27.2
15/04/2015	28.9	6.4	35.3	7/06/2015	11.0	22.4	33.4
13/10/2015	28.6	1.3	29.9	6/04/2015	7.7	22.2	29.9
13/12/2015	28.1	0.1	28.2	31/08/2015	8.4	21.7	30.1

Table G-91: Scenario 5 – Receptor location 108

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	14.5	87.4				
26/11/2015	50.9	11.4	62.3				
10/03/2015	49.1	1.2	50.3	1/07/2015	11.1	43.0	54.1
15/12/2015	42.3	1.6	43.9	27/05/2015	13.7	37.6	51.3
12/12/2015	41.5	2.7	44.2	28/05/2015	12.2	36.7	48.9
7/10/2015	38.3	7.0	45.3	19/06/2015	9.1	35.5	44.6
9/03/2015	37.4	4.1	41.5	20/06/2015	9.6	33.9	43.5
11/12/2015	36.3	20.5	56.8	23/07/2015	13.5	31.8	45.3
4/03/2015	35.6	0.8	36.4	23/04/2015	7.5	30.9	38.4
9/02/2015	35.1	2.3	37.4	14/05/2015	15.7	30.2	45.9
17/10/2015	35.0	1.2	36.2	5/06/2015	10.0	29.1	39.1
7/03/2015	34.2	14.8	49.0	30/05/2015	9.8	28.9	38.7
19/03/2015	34.2	14.0	48.2	11/07/2015	6.4	27.5	33.9
11/03/2015	34.0	1.2	35.2	2/06/2015	11.0	27.3	38.3
17/04/2015	33.4	2.7	36.1	27/06/2015	12.6	27.0	39.6
8/03/2015	33.3	5.4	38.7	27/03/2015	22.6	26.9	49.5
17/03/2015	33.2	1.1	34.3	5/07/2015	12.8	26.9	39.7
30/11/2015	32.5	9.0	41.5	5/09/2015	12.7	26.1	38.8
14/12/2015	32.1	5.8	37.9	15/07/2015	8.4	26.1	34.5
12/03/2015	31.8	12.3	44.1	30/08/2015	10.3	26.0	36.3
20/03/2015	31.8	14.9	46.7	25/05/2015	12.2	26.0	38.2
21/11/2015	31.1	0.4	31.5	23/06/2015	10.3	25.9	36.2
8/12/2015	31.1	1.6	32.7	7/08/2015	11.0	25.8	36.8
29/03/2015	31.0	1.7	32.7	24/04/2015	8.8	25.1	33.9
22/07/2015	29.5	14.7	44.2	31/05/2015	5.1	24.6	29.7
5/03/2015	29.4	10.9	40.3	14/01/2015	8.2	24.6	32.8
24/11/2015	29.2	0.0	29.2	16/04/2015	18.4	24.6	43.0
18/03/2015	28.9	7.5	36.4	7/06/2015	11.0	24.5	35.5
15/04/2015	28.9	7.4	36.3	29/05/2015	8.1	23.6	31.7
13/10/2015	28.6	1.3	29.9	25/08/2015	4.6	23.5	28.1
13/12/2015	28.1	0.1	28.2	6/04/2015	7.7	23.1	30.8
10/10/2015	27.0	12.8	39.8	22/06/2015	11.6	23.1	34.7
2/10/2015	26.9	14.5	41.4	5/05/2015	10.4	22.9	33.3

Table G-92: Scenario 5 – Receptor location 112

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	15.2	88.1				
26/11/2015	50.9	12.5	63.4				
10/03/2015	49.1	1.3	50.4	1/07/2015	11.1	46.3	57.4
15/12/2015	42.3	1.9	44.2	27/05/2015	13.7	41.2	54.9
12/12/2015	41.5	2.8	44.3	28/05/2015	12.2	40.3	52.5
7/10/2015	38.3	7.9	46.2	19/06/2015	9.1	38.4	47.5
9/03/2015	37.4	4.3	41.7	20/06/2015	9.6	36.3	45.9
11/12/2015	36.3	21.7	58.0	23/07/2015	13.5	34.9	48.4
4/03/2015	35.6	0.8	36.4	23/04/2015	7.5	33.4	40.9
9/02/2015	35.1	2.6	37.7	14/05/2015	15.7	32.4	48.1
17/10/2015	35	1.3	36.3	5/06/2015	10	31.2	41.2
7/03/2015	34.2	15.5	49.7	30/05/2015	9.8	30.9	40.7
19/03/2015	34.2	15.2	49.4	25/05/2015	12.2	30.2	42.4
11/03/2015	34	1.3	35.3	11/07/2015	6.4	29.6	36.0
17/04/2015	33.4	2.8	36.2	5/07/2015	12.8	29.0	41.8
8/03/2015	33.3	6.2	39.5	2/06/2015	11	29.0	40.0
17/03/2015	33.2	1.3	34.5	5/09/2015	12.7	28.7	41.4
30/11/2015	32.5	9.5	42.0	27/06/2015	12.6	28.6	41.2
14/12/2015	32.1	6.1	38.2	27/03/2015	22.6	28.4	51.0
12/03/2015	31.8	12.8	44.6	30/08/2015	10.3	28.4	38.7
20/03/2015	31.8	16.6	48.4	23/06/2015	10.3	28.2	38.5
21/11/2015	31.1	0.6	31.7	15/07/2015	8.4	28.1	36.5
8/12/2015	31.1	1.7	32.8	7/08/2015	11	27.5	38.5
29/03/2015	31	1.9	32.9	7/06/2015	11	27.5	38.5
22/07/2015	29.5	16.3	45.8	24/04/2015	8.8	26.7	35.5
5/03/2015	29.4	11.1	40.5	29/05/2015	8.1	26.5	34.6
24/11/2015	29.2	0.0	29.2	16/04/2015	18.4	26.2	44.6
18/03/2015	28.9	8.7	37.6	22/06/2015	11.6	26.1	37.7
15/04/2015	28.9	8.7	37.6	14/01/2015	8.2	26.1	34.3
13/10/2015	28.6	1.5	30.1	31/05/2015	5.1	26.0	31.1
13/12/2015	28.1	0.1	28.2	5/05/2015	10.4	25.7	36.1
10/10/2015	27	14.9	41.9	6/04/2015	7.7	24.5	32.2
2/10/2015	26.9	16.0	42.9	25/08/2015	4.6	24.5	29.1
20/11/2015	26.6	15.7	42.3	4/07/2015	11.8	24.2	36.0
18/01/2015	26.5	16.7	43.2	31/08/2015	8.4	23.8	32.2
6/03/2015	26.3	10.6	36.9	24/06/2015	19	23.7	42.7
12/02/2015	25.7	0.6	26.3	22/04/2015	4.6	23.7	28.3

Table G-93: Scenario 5 – Receptor location 118

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	14.5	87.4				
26/11/2015	50.9	11.4	62.3				
10/03/2015	49.1	1.3	50.4	1/07/2015	11.1	44.6	55.7
15/12/2015	42.3	1.8	44.1	27/05/2015	13.7	41.4	55.1
12/12/2015	41.5	3.0	44.5	28/05/2015	12.2	39.5	51.7
7/10/2015	38.3	7.1	45.4	19/06/2015	9.1	37.8	46.9
9/03/2015	37.4	4.4	41.8	20/06/2015	9.6	36.4	46.0
11/12/2015	36.3	21.3	57.6	23/07/2015	13.5	34.2	47.7
4/03/2015	35.6	0.8	36.4	23/04/2015	7.5	33.0	40.5
9/02/2015	35.1	2.6	37.7	5/06/2015	10	31.4	41.4
17/10/2015	35	1.2	36.2	14/05/2015	15.7	30.5	46.2
7/03/2015	34.2	15.9	50.1	30/05/2015	9.8	30.5	40.3
19/03/2015	34.2	15.2	49.4	11/07/2015	6.4	29.6	36.0
11/03/2015	34	1.3	35.3	2/06/2015	11	28.8	39.8
17/04/2015	33.4	2.9	36.3	27/06/2015	12.6	28.7	41.3
8/03/2015	33.3	5.8	39.1	25/05/2015	12.2	28.2	40.4
17/03/2015	33.2	1.2	34.4	5/07/2015	12.8	28.1	40.9
30/11/2015	32.5	9.1	41.6	15/07/2015	8.4	27.7	36.1
14/12/2015	32.1	6.1	38.2	5/09/2015	12.7	27.5	40.2
12/03/2015	31.8	13.2	45.0	30/08/2015	10.3	27.4	37.7
20/03/2015	31.8	15.6	47.4	27/03/2015	22.6	27.3	49.9
21/11/2015	31.1	0.4	31.5	23/06/2015	10.3	27.2	37.5
8/12/2015	31.1	1.7	32.8	7/08/2015	11	26.9	37.9
29/03/2015	31	1.8	32.8	7/06/2015	11	26.0	37.0
22/07/2015	29.5	15.9	45.4	22/06/2015	11.6	25.9	37.5
5/03/2015	29.4	11.6	41.0	31/05/2015	5.1	25.8	30.9
24/11/2015	29.2	0.0	29.2	16/04/2015	18.4	25.4	43.8
18/03/2015	28.9	7.9	36.8	29/05/2015	8.1	25.4	33.5
15/04/2015	28.9	8.3	37.2	24/04/2015	8.8	24.9	33.7
13/10/2015	28.6	1.3	29.9	14/01/2015	8.2	24.9	33.1
13/12/2015	28.1	0.1	28.2	25/08/2015	4.6	24.4	29.0
10/10/2015	27	14.2	41.2	5/05/2015	10.4	23.7	34.1
2/10/2015	26.9	16.2	43.1	6/04/2015	7.7	23.6	31.3
20/11/2015	26.6	14.5	41.1	24/06/2015	19	23.4	42.4
18/01/2015	26.5	16.5	43.0	4/07/2015	11.8	23.4	35.2

Table G-94: Scenario 5 – Receptor location 120

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	13.9	86.8				
26/11/2015	50.9	10.6	61.5				
10/03/2015	49.1	1.3	50.4	1/07/2015	11.1	43.3	54.4
15/12/2015	42.3	1.6	43.9	27/05/2015	13.7	41.0	54.7
12/12/2015	41.5	3.0	44.5	28/05/2015	12.2	38.4	50.6
7/10/2015	38.3	6.6	44.9	19/06/2015	9.1	37.2	46.3
9/03/2015	37.4	4.3	41.7	20/06/2015	9.6	36.2	45.8
11/12/2015	36.3	20.8	57.1	23/07/2015	13.5	33.4	46.9
4/03/2015	35.6	0.8	36.4	23/04/2015	7.5	32.4	39.9
9/02/2015	35.1	2.5	37.6	5/06/2015	10.0	31.0	41.0
17/10/2015	35.0	1.2	36.2	30/05/2015	9.8	30.1	39.9
7/03/2015	34.2	16.0	50.2	11/07/2015	6.4	29.4	35.8
19/03/2015	34.2	15.0	49.2	14/05/2015	15.7	29.2	44.9
11/03/2015	34.0	1.2	35.2	27/06/2015	12.6	28.6	41.2
17/04/2015	33.4	2.9	36.3	2/06/2015	11.0	28.6	39.6
8/03/2015	33.3	5.5	38.8	15/07/2015	8.4	27.2	35.6
17/03/2015	33.2	1.2	34.4	5/07/2015	12.8	27.0	39.8
30/11/2015	32.5	8.9	41.4	30/08/2015	10.3	26.7	37.0
14/12/2015	32.1	6.1	38.2	7/08/2015	11.0	26.5	37.5
12/03/2015	31.8	13.2	45.0	5/09/2015	12.7	26.5	39.2
20/03/2015	31.8	14.9	46.7	27/03/2015	22.6	26.4	49.0
21/11/2015	31.1	0.3	31.4	23/06/2015	10.3	26.3	36.6
8/12/2015	31.1	1.7	32.8	25/05/2015	12.2	26.3	38.5
29/03/2015	31.0	1.7	32.7	31/05/2015	5.1	25.5	30.6
22/07/2015	29.5	15.4	44.9	22/06/2015	11.6	25.1	36.7
5/03/2015	29.4	11.8	41.2	7/06/2015	11.0	24.8	35.8
24/11/2015	29.2	0.0	29.2	16/04/2015	18.4	24.6	43.0
18/03/2015	28.9	7.3	36.2	29/05/2015	8.1	24.4	32.5
15/04/2015	28.9	7.9	36.8	25/08/2015	4.6	24.2	28.8
13/10/2015	28.6	1.3	29.9	14/01/2015	8.2	24.1	32.3
13/12/2015	28.1	0.1	28.2	24/04/2015	8.8	23.6	32.4
10/10/2015	27.0	13.5	40.5	6/04/2015	7.7	23.1	30.8
2/10/2015	26.9	16.1	43.0	24/06/2015	19.0	23.0	42.0

Table G-95: Scenario 5 – Receptor location 120c

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	14.0	86.9				
26/11/2015	50.9	10.7	61.6				
10/03/2015	49.1	1.4	50.5	1/07/2015	11.1	43.9	55.0
15/12/2015	42.3	1.7	44.0	27/05/2015	13.7	42.0	55.7
12/12/2015	41.5	3.1	44.6	28/05/2015	12.2	39.2	51.4
7/10/2015	38.3	6.7	45.0	19/06/2015	9.1	37.8	46.9
9/03/2015	37.4	4.4	41.8	20/06/2015	9.6	36.8	46.4
11/12/2015	36.3	21.1	57.4	23/07/2015	13.5	34.1	47.6
4/03/2015	35.6	0.8	36.4	23/04/2015	7.5	32.9	40.4
9/02/2015	35.1	2.6	37.7	5/06/2015	10.0	31.6	41.6
17/10/2015	35.0	1.2	36.2	30/05/2015	9.8	30.5	40.3
7/03/2015	34.2	16.2	50.4	11/07/2015	6.4	29.9	36.3
19/03/2015	34.2	15.3	49.5	14/05/2015	15.7	29.5	45.2
11/03/2015	34.0	1.3	35.3	27/06/2015	12.6	29.0	41.6
17/04/2015	33.4	2.9	36.3	2/06/2015	11.0	29.0	40.0
8/03/2015	33.3	5.7	39.0	15/07/2015	8.4	27.7	36.1
17/03/2015	33.2	1.2	34.4	5/07/2015	12.8	27.5	40.3
30/11/2015	32.5	9.0	41.5	25/05/2015	12.2	27.2	39.4
14/12/2015	32.1	6.2	38.3	30/08/2015	10.3	27.1	37.4
12/03/2015	31.8	13.3	45.1	5/09/2015	12.7	27.0	39.7
20/03/2015	31.8	15.2	47.0	7/08/2015	11.0	26.8	37.8
21/11/2015	31.1	0.4	31.5	23/06/2015	10.3	26.8	37.1
8/12/2015	31.1	1.7	32.8	27/03/2015	22.6	26.6	49.2
29/03/2015	31.0	1.8	32.8	22/06/2015	11.6	25.9	37.5
22/07/2015	29.5	15.8	45.3	31/05/2015	5.1	25.8	30.9
5/03/2015	29.4	11.9	41.3	7/06/2015	11.0	25.4	36.4
24/11/2015	29.2	0.0	29.2	29/05/2015	8.1	25.0	33.1
18/03/2015	28.9	7.5	36.4	16/04/2015	18.4	24.9	43.3
15/04/2015	28.9	8.1	37.0	14/01/2015	8.2	24.4	32.6
13/10/2015	28.6	1.3	29.9	25/08/2015	4.6	24.4	29.0
13/12/2015	28.1	0.1	28.2	24/04/2015	8.8	23.8	32.6
10/10/2015	27.0	14.0	41.0	24/06/2015	19.0	23.4	42.4
2/10/2015	26.9	16.5	43.4	6/04/2015	7.7	23.3	31.0
20/11/2015	26.6	13.9	40.5	28/07/2015	10.9	23.1	34.0

Table G-97: Scenario 5 – Receptor location 121

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	14.1	87.0				
26/11/2015	50.9	10.8	61.7				
10/03/2015	49.1	1.4	50.5	1/07/2015	11.1	44.9	56.0
15/12/2015	42.3	1.7	44.0	27/05/2015	13.7	43.7	57.4
12/12/2015	41.5	3.2	44.7	28/05/2015	12.2	40.6	52.8
7/10/2015	38.3	6.9	45.2	19/06/2015	9.1	38.9	48.0
9/03/2015	37.4	4.4	41.8	20/06/2015	9.6	37.8	47.4
11/12/2015	36.3	21.5	57.8	23/07/2015	13.5	35.3	48.8
4/03/2015	35.6	0.8	36.4	23/04/2015	7.5	33.8	41.3
9/02/2015	35.1	2.7	37.8	5/06/2015	10	32.5	42.5
17/10/2015	35	1.2	36.2	30/05/2015	9.8	31.2	41.0
7/03/2015	34.2	16.5	50.7	11/07/2015	6.4	30.8	37.2
19/03/2015	34.2	15.7	49.9	14/05/2015	15.7	29.8	45.5
11/03/2015	34	1.3	35.3	27/06/2015	12.6	29.7	42.3
17/04/2015	33.4	3.0	36.4	2/06/2015	11	29.7	40.7
8/03/2015	33.3	5.9	39.2	15/07/2015	8.4	28.5	36.9
17/03/2015	33.2	1.3	34.5	25/05/2015	12.2	28.4	40.6
30/11/2015	32.5	9.1	41.6	5/07/2015	12.8	28.1	40.9
14/12/2015	32.1	6.3	38.4	30/08/2015	10.3	27.8	38.1
12/03/2015	31.8	13.6	45.4	5/09/2015	12.7	27.8	40.5
20/03/2015	31.8	15.6	47.4	23/06/2015	10.3	27.5	37.8
21/11/2015	31.1	0.4	31.5	7/08/2015	11	27.4	38.4
8/12/2015	31.1	1.8	32.9	22/06/2015	11.6	27.2	38.8
29/03/2015	31	1.8	32.8	27/03/2015	22.6	26.9	49.5
22/07/2015	29.5	16.4	45.9	31/05/2015	5.1	26.3	31.4
5/03/2015	29.4	12.1	41.5	7/06/2015	11	26.3	37.3
24/11/2015	29.2	0.0	29.2	29/05/2015	8.1	25.8	33.9
18/03/2015	28.9	7.8	36.7	16/04/2015	18.4	25.3	43.7
15/04/2015	28.9	8.6	37.5	14/01/2015	8.2	24.7	32.9
13/10/2015	28.6	1.3	29.9	25/08/2015	4.6	24.7	29.3
13/12/2015	28.1	0.1	28.2	24/06/2015	19	24.1	43.1
10/10/2015	27	14.7	41.7	24/04/2015	8.8	24.0	32.8
2/10/2015	26.9	17.2	44.1	28/07/2015	10.9	23.7	34.6
20/11/2015	26.6	14.0	40.6	10/06/2015		23.7	23.7
18/01/2015	26.5	17.0	43.5	6/04/2015	7.7	23.6	31.3
6/03/2015	26.3	10.3	36.6	4/07/2015	11.8	23.5	35.3

Table G-98: Scenario 5 – Receptor location 136

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	7.1	71.9				
10/03/2015	46.5	1.4	47.9	1/07/2015	8.8	37.4	46.2
26/11/2015	45.1	5.7	50.8	20/06/2015	8.8	35.9	44.7
7/10/2015	41.5	2.6	44.1	27/05/2015	12.1	34.1	46.2
15/12/2015	41.3	0.8	42.1	4/09/2015	9.9	30.6	40.5
12/12/2015	39.7	6.5	46.2	19/06/2015	7.3	30.0	37.3
9/02/2015	33.2	1.6	34.8	23/07/2015	10.3	27.8	38.1
11/03/2015	32.6	1.3	33.9	5/06/2015	10.1	27.6	37.7
9/03/2015	32.3	1.1	33.4	15/07/2015	7.8	27.4	35.2
21/11/2015	31.8	0.0	31.8	16/07/2015	5	27.4	32.4
4/03/2015	31	1.0	32.0	23/04/2015	5.9	26.8	32.7
12/03/2015	29.9	13.2	43.1	31/01/2015	18.6	26.7	45.3
17/03/2015	29.8	0.9	30.7	11/07/2015	5.8	26.5	32.3
24/11/2015	29.6	0.0	29.6	18/08/2015	10.6	24.4	35.0
22/07/2015	29.2	11.8	41.0	31/05/2015	5.9	23.6	29.5
14/12/2015	29.1	4.0	33.1	2/06/2015	10.1	22.3	32.4
7/03/2015	28.9	12.2	41.1	9/06/2015	10	21.6	31.6
8/12/2015	28.9	1.5	30.4	5/04/2015	6.5	20.9	27.4

Table G-99: Scenario 5 – Receptor location 140a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	3.0	67.8				
10/03/2015	46.5	1.0	47.5	1/07/2015	8.8	19.8	28.6
26/11/2015	45.1	4.0	49.1	20/06/2015	8.8	19.2	28.0
7/10/2015	41.5	0.7	42.2	9/06/2015	10	18.6	28.6
15/12/2015	41.3	0.4	41.7	31/01/2015	18.6	18.6	37.2
12/12/2015	39.7	6.0	45.7	16/07/2015	5	18.2	23.2
9/02/2015	33.2	0.9	34.1	19/06/2015	7.3	17.0	24.3
11/03/2015	32.6	1.0	33.6	18/08/2015	10.6	16.7	27.3
9/03/2015	32.3	0.9	33.2	4/09/2015	9.9	16.6	26.5
21/11/2015	31.8	0.0	31.8	27/05/2015	12.1	15.9	28.0
4/03/2015	31	1.0	32.0	23/07/2015	10.3	13.7	24.0

Table G-100: Scenario 5 – Receptor location 143a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.2	65.0				
10/03/2015	46.5	2.4	48.9	31/01/2015	18.6	25.2	43.8
26/11/2015	45.1	2.0	47.1	18/08/2015	10.6	22.5	33.1
7/10/2015	41.5	0.2	41.7	16/07/2015	5	21.9	26.9
15/12/2015	41.3	0.5	41.8	5/04/2015	6.5	21.6	28.1
12/12/2015	39.7	14.7	54.4	19/03/2015	23.5	20.6	44.1
9/02/2015	33.2	1.8	35.0	4/09/2015	9.9	20.4	30.3
11/03/2015	32.6	2.2	34.8	12/03/2015	29.9	20.4	50.3
9/03/2015	32.3	2.0	34.3	5/03/2015	26.9	18.2	45.1
21/11/2015	31.8	0.0	31.8	20/06/2015	8.8	18.1	26.9
4/03/2015	31	1.6	32.6	27/05/2015	12.1	17.6	29.7

Table G-101: Scenario 5 – Receptor location 147

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	5.2	51.7	16/06/2015	12.9	44.3	57.2
26/11/2015	45.1	1.6	46.7	5/04/2015	6.5	39.5	46.0
7/10/2015	41.5	0.3	41.8	18/09/2015	15	39.4	54.4
15/12/2015	41.3	0.9	42.2	1/11/2015	16.4	38.3	54.7
12/12/2015	39.7	26.6	66.3	31/10/2015	19.7	36.9	56.6
9/02/2015	33.2	4.5	37.7	9/01/2015	17.7	32.9	50.6
11/03/2015	32.6	5.1	37.7	30/01/2015	13.9	31.3	45.2
9/03/2015	32.3	4.1	36.4	27/05/2015	12.1	29.8	41.9
21/11/2015	31.8	0.0	31.8	3/07/2015	17.2	29.1	46.3
4/03/2015	31	2.0	33.0	4/09/2015	9.9	27.7	37.6
12/03/2015	29.9	25.7	55.6	16/07/2015	5	27.4	32.4
17/03/2015	29.8	2.7	32.5	19/06/2015	7.3	26.8	34.1
24/11/2015	29.6	0.0	29.6	19/03/2015	23.5	26.6	50.1
22/07/2015	29.2	16.3	45.5	12/12/2015	39.7	26.6	66.3
14/12/2015	29.1	4.1	33.2	10/10/2015	24.8	26.4	51.2
7/03/2015	28.9	3.5	32.4	12/03/2015	29.9	25.7	55.6
8/12/2015	28.9	9.2	38.1	15/07/2015	7.8	25.4	33.2
17/04/2015	28.4	2.0	30.4	16/09/2015	17.3	24.3	41.6
2/10/2015	28	2.6	30.6	16/12/2015	15.4	23.9	39.3
29/03/2015	27.5	2.2	29.7	21/04/2015	2.5	22.9	25.4
17/10/2015	27.5	1.2	28.7	25/09/2015	12.5	22.7	35.2

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
13/10/2015	27.2	4.9	32.1	2/04/2015	17	22.2	39.2

Table G-102: Scenario 5 – Receptor location 153a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	14.0	60.5	4/04/2015	4.6	38.6	43.2
26/11/2015	45.1	2.4	47.5	13/01/2015	14	32.4	46.4
7/10/2015	41.5	7.1	48.6	17/05/2015	9.2	31.7	40.9
15/12/2015	41.3	15.1	56.4	24/10/2015	16.7	31.3	48.0
12/12/2015	39.7	7.8	47.5	7/07/2015	12.4	30.0	42.4
9/02/2015	33.2	9.3	42.5	9/10/2015	24.3	28.6	52.9
11/03/2015	32.6	19.6	52.2	15/06/2015	16.4	28.5	44.9
9/03/2015	32.3	11.7	44.0	19/07/2015	14.9	28.1	43.0
21/11/2015	31.8	8.2	40.0	14/03/2015	20.9	28.0	48.9
4/03/2015	31	17.0	48.0	5/02/2015	18.4	27.7	46.1
12/03/2015	29.9	4.0	33.9	11/06/2015	15.6	25.5	41.1
17/03/2015	29.8	11.7	41.5	4/05/2015	12.1	25.1	37.2
24/11/2015	29.6	14.5	44.1	18/05/2015	17.1	25.0	42.1
22/07/2015	29.2	3.3	32.5	22/03/2015	12.2	24.8	37.0
14/12/2015	29.1	6.4	35.5	16/03/2015	25	24.3	49.3
7/03/2015	28.9	8.2	37.1	23/12/2015	10.3	24.0	34.3
8/12/2015	28.9	13.0	41.9	1/05/2015	8.4	23.9	32.3
17/04/2015	28.4	16.9	45.3	1/04/2015	14.5	23.7	38.2
2/10/2015	28	9.4	37.4	13/09/2015	18.5	23.5	42.0
29/03/2015	27.5	14.5	42.0	25/02/2015	15.5	23.0	38.5
17/10/2015	27.5	4.3	31.8	23/10/2015	16.6	23.0	39.6
13/10/2015	27.2	14.7	41.9	14/11/2015	11.3	22.9	34.2
5/03/2015	26.9	4.6	31.5	2/04/2015	17	22.6	39.6

Table G-103: Scenario 5 – Receptor location 257

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.3	46.8	9/01/2015	17.7	9.2	26.9
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	7.4	20.3
7/10/2015	41.5	0.2	41.7	14/06/2015	14.5	6.7	21.2
15/12/2015	41.3	1.9	43.2	27/05/2015	12.1	6.6	18.7
12/12/2015	39.7	0.0	39.7	13/06/2015	13.9	6.3	20.2
9/02/2015	33.2	0.9	34.1	25/05/2015	12.4	6.0	18.4
11/03/2015	32.6	0.5	33.1	13/09/2015	18.5	5.9	24.4
9/03/2015	32.3	0.1	32.4	15/04/2015	24	5.5	29.5
21/11/2015	31.8	0.0	31.8	29/06/2015	14	5.0	19.0
4/03/2015	31	0.2	31.2	15/06/2015	16.4	4.7	21.1

Table G-104: Scenario 5 – Receptor location 258a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.3	46.8	9/01/2015	17.7	11.8	29.5
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	6.7	19.6
7/10/2015	41.5	0.1	41.6	27/05/2015	12.1	5.8	17.9
15/12/2015	41.3	1.6	42.9	14/06/2015	14.5	5.8	20.3
12/12/2015	39.7	0.0	39.7	13/06/2015	13.9	5.4	19.3
9/02/2015	33.2	0.7	33.9	25/05/2015	12.4	5.1	17.5
11/03/2015	32.6	0.4	33.0	15/04/2015	24	4.9	28.9
9/03/2015	32.3	0.1	32.4	13/09/2015	18.5	4.9	23.4
21/11/2015	31.8	0.0	31.8	29/06/2015	14	4.3	18.3
4/03/2015	31	0.2	31.2	15/06/2015	16.4	4.2	20.6

Table G-105: Scenario 5 – Receptor location 272

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	1.7	48.2	3/12/2015	21.3	4.1	25.4
26/11/2015	45.1	0.1	45.2	2/03/2015	22.2	3.8	26.0
7/10/2015	41.5	1.8	43.3	20/06/2015	8.8	3.5	12.3
15/12/2015	41.3	2.3	43.6	21/03/2015	16.4	3.4	19.8
12/12/2015	39.7	1.3	41.0	6/01/2015	15.8	3.1	18.9
9/02/2015	33.2	2.2	35.4	23/12/2015	10.3	3.1	13.4
11/03/2015	32.6	1.8	34.4	18/02/2015	25.1	3.0	28.1
9/03/2015	32.3	0.9	33.2	10/02/2015	15.5	3.0	18.5
21/11/2015	31.8	1.4	33.2	19/07/2015	14.9	2.9	17.8
4/03/2015	31	1.5	32.5	24/12/2015	13.7	2.9	16.6

Table G-106: Scenario 6 – Receptor location 21

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.6	11.4	84.0				
26/11/2015	56.3	12.4	68.7				
10/03/2015	46.8	0.5	47.3	12/05/2015	11.3	29.3	40.6
12/12/2015	46.2	0.0	46.2	28/05/2015		26.6	26.6
7/10/2015	40.7	9.2	49.9	31/07/2015	21.2	26.5	47.7
15/12/2015	39.9	1.9	41.8	30/05/2015	10.7	26.5	37.2
11/03/2015	37.8	1.0	38.8	27/06/2015	19.6	26.2	45.8
22/07/2015	37.5	8.1	45.6	4/06/2015	16.6	26.1	42.7
17/10/2015	37.4	1.3	38.7	8/06/2015	9.2	24.3	33.5
9/03/2015	37.2	2.5	39.7	30/07/2015	15.4	24.2	39.6
9/02/2015	37.1	0.5	37.6	5/07/2015	18.5	24.1	42.6
11/12/2015	36.2	12.0	48.2	23/06/2015	18.5	23.5	42.0
17/03/2015	35.7	0.8	36.5	2/07/2015	12.7	23.1	35.8
4/03/2015	35.6	0.4	36.0	27/08/2015	7.1	22.7	29.8
19/03/2015	34.5	6.5	41.0	3/06/2015	19.4	22.2	41.6
21/11/2015	34.5	2.6	37.1	28/07/2015	16.4	21.9	38.3
20/03/2015	33.7	13.6	47.3	29/05/2015	11.5	21.5	33.0
7/03/2015	33.6	6.8	40.4	9/05/2015	13.9	21.2	35.1
10/10/2015	33.1	5.4	38.5	20/11/2015	26.2	20.4	46.6
5/03/2015	33	6.6	39.6	6/10/2015	28	20.3	48.3
24/11/2015	33	0.0	33.0	19/11/2015	20.9	20.3	41.2
17/04/2015	32.8	0.9	33.7	11/07/2015	10.7	20.1	30.8

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
15/04/2015	32.5	4.6	37.1	25/05/2015	19.4	19.8	39.2
14/12/2015	31.7	1.7	33.4	20/05/2015	9.6	19.6	29.2
29/03/2015	31.2	0.9	32.1	27/05/2015		19.5	19.5
12/03/2015	31	7.5	38.5	29/08/2015	9.6	19.2	28.8
21/08/2015	31	12.3	43.3	15/09/2015	20.4	19.2	39.6
8/12/2015	30.8	0.8	31.6	5/05/2015	10.7	19.1	29.8

Table G-107: Scenario 6 – Receptor location 35b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	14.3	87.2				
26/11/2015	50.9	4.6	55.5				
10/03/2015	49.1	0.5	49.6	24/04/2015	8.8	29.1	37.9
15/12/2015	42.3	1.0	43.3	14/08/2015	10.2	23.6	33.8
12/12/2015	41.5	0.5	42.0	28/05/2015	12.2	21.7	33.9
7/10/2015	38.3	4.7	43.0	7/06/2015	11	21.3	32.3
9/03/2015	37.4	4.5	41.9	18/06/2015	5	21.1	26.1
11/12/2015	36.3	11.4	47.7	6/04/2015	7.7	20.6	28.3
4/03/2015	35.6	0.5	36.1	5/05/2015	10.4	20.1	30.5
9/02/2015	35.1	0.5	35.6	8/09/2015	8.1	19.9	28.0
17/10/2015	35	0.9	35.9	30/05/2015	9.8	19.6	29.4
7/03/2015	34.2	7.4	41.6	27/05/2015	13.7	18.6	32.3
19/03/2015	34.2	6.2	40.4	23/06/2015	10.3	18.5	28.8
11/03/2015	34	0.8	34.8	27/07/2015	8.6	18.5	27.1
17/04/2015	33.4	1.6	35.0	1/07/2015	11.1	18.5	29.6
8/03/2015	33.3	3.0	36.3	4/06/2015	10.5	18.4	28.9
17/03/2015	33.2	0.5	33.7	5/07/2015	12.8	18.3	31.1
30/11/2015	32.5	4.0	36.5	2/06/2015	11	18.1	29.1
14/12/2015	32.1	2.6	34.7	8/05/2015	13.5	17.7	31.2

Table G-108: Scenario 6 – Receptor location 43

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.5	47.0	15/04/2015	24	13.1	37.1
26/11/2015	45.1	0.0	45.1	27/05/2015	12.1	8.7	20.8
7/10/2015	41.5	0.2	41.7	20/06/2015	8.8	8.1	16.9
15/12/2015	41.3	2.2	43.5	16/06/2015	12.9	7.9	20.8
12/12/2015	39.7	0.0	39.7	25/05/2015	12.4	7.8	20.2
9/02/2015	33.2	0.8	34.0	9/01/2015	17.7	7.7	25.4
11/03/2015	32.6	1.1	33.7	13/09/2015	18.5	7.5	26.0
9/03/2015	32.3	0.9	33.2	14/06/2015	14.5	7.5	22.0
21/11/2015	31.8	0.6	32.4	13/06/2015	13.9	7.1	21.0
4/03/2015	31	0.5	31.5	29/06/2015	14	7.0	21.0

Table G-109: Scenario 6 – Receptor location 43b

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.3	46.8	15/04/2015	24	7.4	31.4
26/11/2015	45.1	0.0	45.1	27/05/2015	12.1	5.6	17.7
7/10/2015	41.5	0.2	41.7	16/06/2015	12.9	5.0	17.9
15/12/2015	41.3	1.2	42.5	25/05/2015	12.4	4.9	17.3
12/12/2015	39.7	0.0	39.7	14/06/2015	14.5	4.9	19.4
9/02/2015	33.2	0.5	33.7	20/06/2015	8.8	4.3	13.1
11/03/2015	32.6	0.5	33.1	29/06/2015	14	4.3	18.3
9/03/2015	32.3	0.4	32.7	13/06/2015	13.9	4.3	18.2
21/11/2015	31.8	0.4	32.2	13/09/2015	18.5	4.2	22.7
4/03/2015	31	0.3	31.3	9/01/2015	17.7	4.1	21.8

Table G-110: Scenario 6 – Receptor location 47

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.3	46.8	15/04/2015	24	5.8	29.8
26/11/2015	45.1	0.0	45.1	27/05/2015	12.1	4.6	16.7
7/10/2015	41.5	0.2	41.7	20/06/2015	8.8	4.6	13.4
15/12/2015	41.3	1.3	42.6	16/06/2015	12.9	4.2	17.1
12/12/2015	39.7	0.1	39.8	25/05/2015	12.4	3.7	16.1
9/02/2015	33.2	0.4	33.6	14/06/2015	14.5	3.7	18.2
11/03/2015	32.6	0.7	33.3	13/06/2015	13.9	3.3	17.2
9/03/2015	32.3	0.4	32.7	15/06/2015	16.4	3.2	19.6
21/11/2015	31.8	0.5	32.3	29/06/2015	14	3.1	17.1
4/03/2015	31	0.4	31.4	19/10/2015	17.3	3.0	20.3

Table G-111: Scenario 6 – Receptor location 67

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	13.7	86.6				
26/11/2015	50.9	5.3	56.2				
10/03/2015	49.1	0.5	49.6	24/04/2015	8.8	28.2	37.0
15/12/2015	42.3	1.0	43.3	14/08/2015	10.2	24.6	34.8
12/12/2015	41.5	0.8	42.3	28/05/2015	12.2	23.7	35.9
7/10/2015	38.3	4.7	43.0	27/07/2015	8.6	22.8	31.4
9/03/2015	37.4	4.7	42.1	1/07/2015	11.1	22.2	33.3
11/12/2015	36.3	14.3	50.6	6/04/2015	7.7	22.0	29.7
4/03/2015	35.6	0.6	36.2	7/06/2015	11	21.9	32.9
9/02/2015	35.1	0.7	35.8	5/05/2015	10.4	21.7	32.1
17/10/2015	35	1.0	36.0	27/05/2015	13.7	21.4	35.1
7/03/2015	34.2	8.5	42.7	30/05/2015	9.8	21.0	30.8
19/03/2015	34.2	7.3	41.5	2/06/2015	11	20.9	31.9
11/03/2015	34	0.9	34.9	14/05/2015	15.7	20.5	36.2
17/04/2015	33.4	1.9	35.3	31/05/2015	5.1	20.4	25.5
8/03/2015	33.3	3.1	36.4	18/06/2015	5	20.1	25.1
17/03/2015	33.2	0.5	33.7	23/06/2015	10.3	19.8	30.1
30/11/2015	32.5	4.6	37.1	5/07/2015	12.8	19.7	32.5
14/12/2015	32.1	3.3	35.4	18/11/2015	15.5	19.0	34.5
12/03/2015	31.8	7.3	39.1	23/07/2015	13.5	19.0	32.5
20/03/2015	31.8	13.3	45.1	15/07/2015	8.4	18.8	27.2
21/11/2015	31.1	0.3	31.4	1/08/2015	16.6	18.0	34.6

Table G-112: Scenario 6 – Receptor location 102

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	14.5	87.4				
26/11/2015	50.9	5.7	56.6				
10/03/2015	49.1	0.7	49.8	1/07/2015	11.1	32.2	43.3
15/12/2015	42.3	1.0	43.3	27/05/2015	13.7	27.4	41.1
12/12/2015	41.5	1.6	43.1	28/05/2015	12.2	26.2	38.4
7/10/2015	38.3	5.0	43.3	23/04/2015	7.5	24.2	31.7
9/03/2015	37.4	3.0	40.4	14/05/2015	15.7	23.9	39.6
11/12/2015	36.3	17.2	53.5	19/06/2015	9.1	23.9	33.0
4/03/2015	35.6	0.7	36.3	30/05/2015	9.8	23.9	33.7
9/02/2015	35.1	1.0	36.1	6/04/2015	7.7	23.6	31.3
17/10/2015	35.0	1.1	36.1	23/07/2015	13.5	23.5	37.0
7/03/2015	34.2	10.5	44.7	20/06/2015	9.6	22.9	32.5
19/03/2015	34.2	10.3	44.5	16/07/2015	6.0	22.8	28.8
11/03/2015	34.0	1.0	35.0	2/06/2015	11.0	22.8	33.8
17/04/2015	33.4	2.4	35.8	27/03/2015	22.6	22.5	45.1
8/03/2015	33.3	2.9	36.2	31/05/2015	5.1	22.4	27.5
17/03/2015	33.2	0.7	33.9	27/07/2015	8.6	22.2	30.8
30/11/2015	32.5	5.8	38.3	11/07/2015	6.4	22.1	28.5
14/12/2015	32.1	5.7	37.8	16/04/2015	18.4	22.1	40.5
12/03/2015	31.8	8.1	39.9	3/08/2015	9.0	21.6	30.6
20/03/2015	31.8	11.7	43.5	15/07/2015	8.4	21.1	29.5
21/11/2015	31.1	0.2	31.3	24/04/2015	8.8	20.6	29.4
8/12/2015	31.1	1.5	32.6	25/08/2015	4.6	20.5	25.1
29/03/2015	31.0	1.1	32.1	14/01/2015	8.2	19.7	27.9
22/07/2015	29.5	9.8	39.3	5/07/2015	12.8	19.7	32.5

Table G-113: Scenario 6 – Receptor location 108

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	15.0	87.9				
26/11/2015	50.9	6.0	56.9				
10/03/2015	49.1	0.8	49.9	1/07/2015	11.1	34.3	45.4
15/12/2015	42.3	1.1	43.4	27/05/2015	13.7	29.6	43.3
12/12/2015	41.5	1.7	43.2	28/05/2015	12.2	28.6	40.8
7/10/2015	38.3	5.3	43.6	23/04/2015	7.5	25.5	33.0
9/03/2015	37.4	3.2	40.6	19/06/2015	9.1	25.4	34.5

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
11/12/2015	36.3	18.1	54.4	14/05/2015	15.7	25.2	40.9
4/03/2015	35.6	0.7	36.3	23/07/2015	13.5	25.1	38.6
9/02/2015	35.1	1.1	36.2	30/05/2015	9.8	25.0	34.8
17/10/2015	35.0	1.2	36.2	6/04/2015	7.7	24.8	32.5
7/03/2015	34.2	11.1	45.3	20/06/2015	9.6	24.3	33.9
19/03/2015	34.2	11.0	45.2	16/07/2015	6.0	23.9	29.9
11/03/2015	34.0	1.1	35.1	2/06/2015	11.0	23.8	34.8
17/04/2015	33.4	2.5	35.9	11/07/2015	6.4	23.6	30.0
8/03/2015	33.3	3.2	36.5	27/03/2015	22.6	23.4	46.0
17/03/2015	33.2	0.7	33.9	31/05/2015	5.1	23.4	28.5
30/11/2015	32.5	6.1	38.6	27/07/2015	8.6	23.1	31.7
14/12/2015	32.1	6.1	38.2	16/04/2015	18.4	23.0	41.4
12/03/2015	31.8	8.4	40.2	15/07/2015	8.4	22.6	31.0
20/03/2015	31.8	12.7	44.5	3/08/2015	9.0	22.2	31.2
21/11/2015	31.1	0.2	31.3	24/04/2015	8.8	21.6	30.4
8/12/2015	31.1	1.6	32.7	25/08/2015	4.6	21.4	26.0
29/03/2015	31.0	1.2	32.2	5/07/2015	12.8	21.0	33.8
22/07/2015	29.5	10.6	40.1	14/01/2015	8.2	20.9	29.1
5/03/2015	29.4	7.4	36.8	23/06/2015	10.3	20.7	31.0
24/11/2015	29.2	0.0	29.2	7/08/2015	11.0	20.5	31.5

Table G-114: Scenario 6 – Receptor location 112

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	15.8	88.7				
26/11/2015	50.9	6.7	57.6				
10/03/2015	49.1	0.9	50.0	1/07/2015	11.1	36.8	47.9
15/12/2015	42.3	1.3	43.6	27/05/2015	13.7	32.5	46.2
12/12/2015	41.5	1.8	43.3	28/05/2015	12.2	32.2	44.4
7/10/2015	38.3	5.8	44.1	23/07/2015	13.5	27.4	40.9
9/03/2015	37.4	3.4	40.8	23/04/2015	7.5	27.1	34.6
11/12/2015	36.3	19.6	55.9	19/06/2015	9.1	27.1	36.2
4/03/2015	35.6	0.7	36.3	14/05/2015	15.7	27.1	42.8
9/02/2015	35.1	1.3	36.4	6/04/2015	7.7	26.8	34.5
17/10/2015	35	1.2	36.2	30/05/2015	9.8	26.8	36.6
7/03/2015	34.2	11.8	46.0	20/06/2015	9.6	26.0	35.6
19/03/2015	34.2	11.9	46.1	2/06/2015	11	25.5	36.5
11/03/2015	34	1.1	35.1	11/07/2015	6.4	25.5	31.9
17/04/2015	33.4	2.6	36.0	16/07/2015	6	25.4	31.4

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
8/03/2015	33.3	3.7	37.0	31/05/2015	5.1	25.1	30.2
17/03/2015	33.2	0.8	34.0	15/07/2015	8.4	24.8	33.2
30/11/2015	32.5	6.3	38.8	27/07/2015	8.6	24.7	33.3
14/12/2015	32.1	6.4	38.5	27/03/2015	22.6	24.6	47.2
12/03/2015	31.8	8.7	40.5	16/04/2015	18.4	24.1	42.5
20/03/2015	31.8	14.3	46.1	24/04/2015	8.8	23.4	32.2
21/11/2015	31.1	0.3	31.4	3/08/2015	9	23.3	32.3
8/12/2015	31.1	1.7	32.8	5/07/2015	12.8	23.0	35.8
29/03/2015	31	1.3	32.3	23/06/2015	10.3	22.8	33.1
22/07/2015	29.5	11.6	41.1	14/01/2015	8.2	22.7	30.9
5/03/2015	29.4	7.7	37.1	5/05/2015	10.4	22.3	32.7
24/11/2015	29.2	0.0	29.2	25/08/2015	4.6	22.2	26.8
18/03/2015	28.9	6.2	35.1	7/08/2015	11	22.0	33.0
15/04/2015	28.9	6.3	35.2	27/06/2015	12.6	21.4	34.0
13/10/2015	28.6	1.0	29.6	9/09/2015	7.9	21.2	29.1

Table G-115: Scenario 6 – Receptor location 118

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	15.1	88.0				
26/11/2015	50.9	6.2	57.1				
10/03/2015	49.1	0.9	50.0	1/07/2015	11.1	36.8	47.9
15/12/2015	42.3	1.2	43.5	27/05/2015	13.7	31.8	45.5
12/12/2015	41.5	1.9	43.4	28/05/2015	12.2	30.1	42.3
7/10/2015	38.3	5.4	43.7	19/06/2015	9.1	27.2	36.3
9/03/2015	37.4	3.2	40.6	23/04/2015	7.5	27.2	34.7
11/12/2015	36.3	18.5	54.8	23/07/2015	13.5	26.7	40.2
4/03/2015	35.6	0.7	36.3	20/06/2015	9.6	26.0	35.6
9/02/2015	35.1	1.3	36.4	30/05/2015	9.8	25.7	35.5
17/10/2015	35	1.2	36.2	14/05/2015	15.7	25.6	41.3
7/03/2015	34.2	11.6	45.8	11/07/2015	6.4	25.2	31.6
19/03/2015	34.2	11.9	46.1	6/04/2015	7.7	24.7	32.4
11/03/2015	34	1.1	35.1	16/07/2015	6	24.3	30.3
17/04/2015	33.4	2.6	36.0	2/06/2015	11	24.2	35.2
8/03/2015	33.3	3.4	36.7	27/03/2015	22.6	24.1	46.7
17/03/2015	33.2	0.8	34.0	16/04/2015	18.4	23.8	42.2
30/11/2015	32.5	6.5	39.0	15/07/2015	8.4	23.4	31.8
14/12/2015	32.1	6.6	38.7	31/05/2015	5.1	23.4	28.5
12/03/2015	31.8	8.9	40.7	27/07/2015	8.6	23.0	31.6

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
20/03/2015	31.8	12.8	44.6	25/08/2015	4.6	22.7	27.3
21/11/2015	31.1	0.2	31.3	5/07/2015	12.8	21.7	34.5
8/12/2015	31.1	1.7	32.8	3/08/2015	9	21.6	30.6
29/03/2015	31	1.3	32.3	24/04/2015	8.8	21.5	30.3
22/07/2015	29.5	11.3	40.8	14/01/2015	8.2	21.5	29.7
5/03/2015	29.4	8.0	37.4	23/06/2015	10.3	21.3	31.6
24/11/2015	29.2	0.0	29.2	27/06/2015	12.6	21.1	33.7
18/03/2015	28.9	5.6	34.5	7/08/2015	11	20.9	31.9

Table G-116: Scenario 6 – Receptor location 120

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	14.5	87.4				
26/11/2015	50.9	6.0	56.9				
10/03/2015	49.1	0.8	49.9	1/07/2015	11.1	36.6	47.7
15/12/2015	42.3	1.1	43.4	27/05/2015	13.7	31.2	44.9
12/12/2015	41.5	2.0	43.5	28/05/2015	12.2	28.5	40.7
7/10/2015	38.3	5.1	43.4	19/06/2015	9.1	27.2	36.3
9/03/2015	37.4	3.0	40.4	23/04/2015	7.5	27.1	34.6
11/12/2015	36.3	17.7	54.0	23/07/2015	13.5	26.1	39.6
4/03/2015	35.6	0.7	36.3	20/06/2015	9.6	25.9	35.5
9/02/2015	35.1	1.2	36.3	30/05/2015	9.8	25.0	34.8
17/10/2015	35.0	1.2	36.2	11/07/2015	6.4	24.9	31.3
7/03/2015	34.2	11.5	45.7	14/05/2015	15.7	24.6	40.3
19/03/2015	34.2	11.8	46.0	27/03/2015	22.6	23.5	46.1
11/03/2015	34.0	1.1	35.1	2/06/2015	11.0	23.4	34.4
17/04/2015	33.4	2.6	36.0	16/04/2015	18.4	23.4	41.8
8/03/2015	33.3	3.2	36.5	16/07/2015	6.0	23.3	29.3
17/03/2015	33.2	0.8	34.0	6/04/2015	7.7	23.3	31.0
30/11/2015	32.5	6.7	39.2	25/08/2015	4.6	22.6	27.2
14/12/2015	32.1	6.7	38.8	15/07/2015	8.4	22.6	31.0
12/03/2015	31.8	9.1	40.9	31/05/2015	5.1	22.2	27.3
20/03/2015	31.8	11.8	43.6	27/07/2015	8.6	21.7	30.3
21/11/2015	31.1	0.2	31.3	27/06/2015	12.6	20.8	33.4
8/12/2015	31.1	1.7	32.8	5/07/2015	12.8	20.7	33.5
29/03/2015	31.0	1.3	32.3	14/01/2015	8.2	20.7	28.9
22/07/2015	29.5	11.0	40.5	24/04/2015	8.8	20.5	29.3
5/03/2015	29.4	8.2	37.6	7/08/2015	11.0	20.2	31.2

Table G-117: Scenario 6 – Receptor location 120c

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	14.6	87.5				
26/11/2015	50.9	6.1	57.0				
10/03/2015	49.1	0.9	50.0	1/07/2015	11.1	37.2	48.3
15/12/2015	42.3	1.2	43.5	27/05/2015	13.7	31.8	45.5
12/12/2015	41.5	2.0	43.5	28/05/2015	12.2	29.1	41.3
7/10/2015	38.3	5.1	43.4	19/06/2015	9.1	27.6	36.7
9/03/2015	37.4	3.1	40.5	23/04/2015	7.5	27.5	35.0
11/12/2015	36.3	18.0	54.3	23/07/2015	13.5	26.6	40.1
4/03/2015	35.6	0.7	36.3	20/06/2015	9.6	26.3	35.9
9/02/2015	35.1	1.3	36.4	11/07/2015	6.4	25.4	31.8
17/10/2015	35.0	1.2	36.2	30/05/2015	9.8	25.3	35.1
7/03/2015	34.2	11.6	45.8	14/05/2015	15.7	24.8	40.5
19/03/2015	34.2	12.0	46.2	27/03/2015	22.6	23.8	46.4
11/03/2015	34.0	1.1	35.1	16/04/2015	18.4	23.6	42.0
17/04/2015	33.4	2.6	36.0	2/06/2015	11.0	23.6	34.6
8/03/2015	33.3	3.3	36.6	16/07/2015	6.0	23.6	29.6
17/03/2015	33.2	0.8	34.0	6/04/2015	7.7	23.5	31.2
30/11/2015	32.5	6.7	39.2	15/07/2015	8.4	22.9	31.3
14/12/2015	32.1	6.8	38.9	25/08/2015	4.6	22.9	27.5
12/03/2015	31.8	9.2	41.0	31/05/2015	5.1	22.4	27.5
20/03/2015	31.8	12.0	43.8	27/07/2015	8.6	21.9	30.5
21/11/2015	31.1	0.2	31.3	27/06/2015	12.6	21.1	33.7
8/12/2015	31.1	1.8	32.9	5/07/2015	12.8	21.0	33.8
29/03/2015	31.0	1.3	32.3	14/01/2015	8.2	20.9	29.1
22/07/2015	29.5	11.2	40.7	24/04/2015	8.8	20.7	29.5
5/03/2015	29.4	8.3	37.7	7/08/2015	11.0	20.5	31.5

Table G-118: Scenario 6 – Receptor location 121

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	72.9	14.7	87.6				
26/11/2015	50.9	6.3	57.2				
10/03/2015	49.1	0.9	50.0	1/07/2015	11.1	38.2	49.3
15/12/2015	42.3	1.2	43.5	27/05/2015	13.7	32.9	46.6
12/12/2015	41.5	2.0	43.5	28/05/2015	12.2	29.9	42.1
7/10/2015	38.3	5.2	43.5	19/06/2015	9.1	28.4	37.5
9/03/2015	37.4	3.1	40.5	23/04/2015	7.5	28.2	35.7

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
11/12/2015	36.3	18.3	54.6	23/07/2015	13.5	27.4	40.9
4/03/2015	35.6	0.7	36.3	20/06/2015	9.6	27.0	36.6
9/02/2015	35.1	1.3	36.4	11/07/2015	6.4	26.1	32.5
17/10/2015	35	1.2	36.2	30/05/2015	9.8	25.7	35.5
7/03/2015	34.2	11.9	46.1	14/05/2015	15.7	25.2	40.9
19/03/2015	34.2	12.4	46.6	27/03/2015	22.6	24.1	46.7
11/03/2015	34	1.1	35.1	16/04/2015	18.4	24.0	42.4
17/04/2015	33.4	2.7	36.1	2/06/2015	11	24.0	35.0
8/03/2015	33.3	3.4	36.7	16/07/2015	6	23.9	29.9
17/03/2015	33.2	0.8	34.0	6/04/2015	7.7	23.7	31.4
30/11/2015	32.5	6.9	39.4	15/07/2015	8.4	23.5	31.9
14/12/2015	32.1	7.0	39.1	25/08/2015	4.6	23.3	27.9
12/03/2015	31.8	9.4	41.2	31/05/2015	5.1	22.7	27.8
20/03/2015	31.8	12.2	44.0	27/07/2015	8.6	22.0	30.6
21/11/2015	31.1	0.2	31.3	27/06/2015	12.6	21.5	34.1
8/12/2015	31.1	1.8	32.9	5/07/2015	12.8	21.4	34.2
29/03/2015	31	1.3	32.3	14/01/2015	8.2	21.3	29.5
22/07/2015	29.5	11.6	41.1	23/06/2015	10.3	20.9	31.2
5/03/2015	29.4	8.5	37.9	24/04/2015	8.8	20.9	29.7
24/11/2015	29.2	0.0	29.2	7/08/2015	11	20.8	31.8
18/03/2015	28.9	5.4	34.3	5/06/2015	10	20.4	30.4

Table G-119: Scenario 6 – Receptor location 136

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	5.5	70.3				
10/03/2015	46.5	0.9	47.4	1/07/2015	8.8	32.4	41.2
26/11/2015	45.1	6.4	51.5	31/01/2015	18.6	27.2	45.8
7/10/2015	41.5	1.7	43.2	20/06/2015	8.8	26.3	35.1
15/12/2015	41.3	0.6	41.9	19/06/2015	7.3	24.9	32.2
12/12/2015	39.7	4.6	44.3	27/05/2015	12.1	23.8	35.9
9/02/2015	33.2	0.9	34.1	4/09/2015	9.9	22.4	32.3
11/03/2015	32.6	1.0	33.6	18/08/2015	10.6	21.9	32.5
9/03/2015	32.3	0.8	33.1	23/04/2015	5.9	21.1	27.0
21/11/2015	31.8	0.0	31.8	16/07/2015	5	21.1	26.1
4/03/2015	31	0.9	31.9	23/07/2015	10.3	20.7	31.0

Table G-126: Scenario 6 – Receptor location 140a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	2.5	67.3				
10/03/2015	46.5	0.6	47.1	31/01/2015	18.6	18.2	36.8
26/11/2015	45.1	4.0	49.1	1/07/2015	8.8	17.5	26.3
7/10/2015	41.5	0.5	42.0	9/06/2015	10	16.9	26.9
15/12/2015	41.3	0.3	41.6	18/08/2015	10.6	16.3	26.9
12/12/2015	39.7	4.4	44.1	20/06/2015	8.8	15.3	24.1
9/02/2015	33.2	0.5	33.7	19/06/2015	7.3	14.8	22.1
11/03/2015	32.6	0.8	33.4	16/07/2015	5	13.4	18.4
9/03/2015	32.3	0.7	33.0	4/09/2015	9.9	13.2	23.1
21/11/2015	31.8	0.0	31.8	27/05/2015	12.1	12.3	24.4
4/03/2015	31	0.9	31.9	4/08/2015	6.7	12.2	18.9

Table G-120: Scenario 6 – Receptor location 143a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.2	65.0				
10/03/2015	46.5	1.4	47.9	31/01/2015	18.6	23.9	42.5
26/11/2015	45.1	2.0	47.1	18/08/2015	10.6	21.3	31.9
7/10/2015	41.5	0.1	41.6	4/09/2015	9.9	18.0	27.9
15/12/2015	41.3	0.4	41.7	19/03/2015	23.5	17.4	40.9
12/12/2015	39.7	10.9	50.6	27/05/2015	12.1	16.6	28.7
9/02/2015	33.2	1.1	34.3	12/03/2015	29.9	16.5	46.4
11/03/2015	32.6	1.4	34.0	16/07/2015	5	16.5	21.5
9/03/2015	32.3	1.5	33.8	20/06/2015	8.8	16.2	25.0
21/11/2015	31.8	0.0	31.8	5/03/2015	26.9	16.1	43.0
4/03/2015	31	1.5	32.5	5/04/2015	6.5	15.2	21.7

Table G-121: Scenario 6 – Receptor location 147

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	2.9	49.4	5/04/2015	6.5	26.2	32.7
26/11/2015	45.1	1.6	46.7	27/05/2015	12.1	25.2	37.3

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
7/10/2015	41.5	0.2	41.7	19/03/2015	23.5	24.2	47.7
15/12/2015	41.3	0.7	42.0	12/03/2015	29.9	23.4	53.3
12/12/2015	39.7	19.3	59.0	30/01/2015	13.9	23.4	37.3
9/02/2015	33.2	2.4	35.6	4/09/2015	9.9	23.3	33.2
11/03/2015	32.6	2.7	35.3	16/06/2015	12.9	23.3	36.2
9/03/2015	32.3	2.6	34.9	16/07/2015	5	23.2	28.2
21/11/2015	31.8	0.0	31.8	31/10/2015	19.7	22.0	41.7
4/03/2015	31	1.8	32.8	1/11/2015	16.4	21.8	38.2
12/03/2015	29.9	23.4	53.3	31/01/2015	18.6	20.9	39.5
17/03/2015	29.8	1.8	31.6	19/06/2015	7.3	20.8	28.1
24/11/2015	29.6	0.0	29.6	16/12/2015	15.4	20.8	36.2
22/07/2015	29.2	10.4	39.6	18/09/2015	15	20.1	35.1

Table G-122: Scenario 6 – Receptor location 153a

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	15.9	62.4	4/04/2015	4.6	60.4	65.0
26/11/2015	45.1	3.5	48.6	9/10/2015	24.3	42.7	67.0
7/10/2015	41.5	7.9	49.4	19/07/2015	14.9	39.5	54.4
15/12/2015	41.3	16.9	58.2	14/03/2015	20.9	38.0	58.9
12/12/2015	39.7	9.1	48.8	17/05/2015	9.2	38.0	47.2
9/02/2015	33.2	9.2	42.4	1/05/2015	8.4	36.5	44.9
11/03/2015	32.6	28.5	61.1	13/01/2015	14	36.3	50.3
9/03/2015	32.3	11.8	44.1	5/02/2015	18.4	36.0	54.4
21/11/2015	31.8	9.3	41.1	15/06/2015	16.4	35.3	51.7
4/03/2015	31	25.4	56.4	22/03/2015	12.2	34.8	47.0
12/03/2015	29.9	4.9	34.8	25/02/2015	15.5	34.6	50.1
17/03/2015	29.8	12.0	41.8	7/07/2015	12.4	34.6	47.0
24/11/2015	29.6	17.2	46.8	11/06/2015	15.6	33.8	49.4
22/07/2015	29.2	3.7	32.9	23/12/2015	10.3	33.7	44.0
14/12/2015	29.1	6.7	35.8	24/10/2015	16.7	33.1	49.8
7/03/2015	28.9	9.1	38.0	23/10/2015	16.6	31.9	48.5
8/12/2015	28.9	16.0	44.9	13/09/2015	18.5	31.6	50.1
17/04/2015	28.4	17.3	45.7	4/05/2015	12.1	31.5	43.6
2/10/2015	28	9.3	37.3	26/09/2015	11.7	31.2	42.9
29/03/2015	27.5	18.0	45.5	16/03/2015	25	30.9	55.9
17/10/2015	27.5	6.2	33.7	26/02/2015	17.7	30.2	47.9
13/10/2015	27.2	16.7	43.9	1/04/2015	14.5	29.6	44.1

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
5/03/2015	26.9	6.3	33.2	22/06/2015	11.4	29.6	41.0
20/03/2015	26.8	3.1	29.9	30/04/2015	9.8	29.2	39.0
8/03/2015	26.6	1.1	27.7	28/01/2015	10.3	29.0	39.3
30/11/2015	26.5	2.8	29.3	2/04/2015	17	28.8	45.8
13/12/2015	26.2	20.5	46.7	11/03/2015	32.6	28.5	61.1
2/12/2015	26	4.5	30.5	14/10/2015	20.7	28.1	48.8
28/11/2015	25.2	19.2	44.4	18/05/2015	17.1	28.0	45.1
18/02/2015	25.1	18.0	43.1	4/11/2015	8.5	27.9	36.4
21/08/2015	25.1	0.0	25.1	14/11/2015	11.3	27.5	38.8
16/03/2015	25	30.9	55.9	22/12/2015	3.7	27.1	30.8
10/10/2015	24.8	3.3	28.1	25/12/2015	12	26.8	38.8
20/11/2015	24.6	0.0	24.6	11/01/2015	7.9	26.7	34.6
18/01/2015	24.4	7.8	32.2	23/05/2015	12.6	26.5	39.1
20/08/2015	24.3	21.7	46.0	14/06/2015	14.5	26.3	40.8
9/10/2015	24.3	42.7	67.0	16/11/2015	12.3	26.2	38.5
15/04/2015	24	8.9	32.9	23/02/2015	11.8	26.0	37.8

Table G-123: Scenario 6 – Receptor location 257

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.3	46.8	9/01/2015	17.7	7.1	24.8
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	6.0	18.9
7/10/2015	41.5	0.1	41.6	27/05/2015	12.1	5.8	17.9
15/12/2015	41.3	1.5	42.8	13/09/2015	18.5	5.6	24.1
12/12/2015	39.7	0.0	39.7	14/06/2015	14.5	5.5	20.0
9/02/2015	33.2	0.7	33.9	25/05/2015	12.4	5.4	17.8
11/03/2015	32.6	0.4	33.0	13/06/2015	13.9	5.4	19.3
9/03/2015	32.3	0.1	32.4	29/06/2015	14	5.1	19.1
21/11/2015	31.8	0.0	31.8	15/04/2015	24	4.5	28.5
4/03/2015	31	0.1	31.1	22/06/2015	11.4	4.3	15.7

Table G-124: Scenario 6 – Receptor location 258a

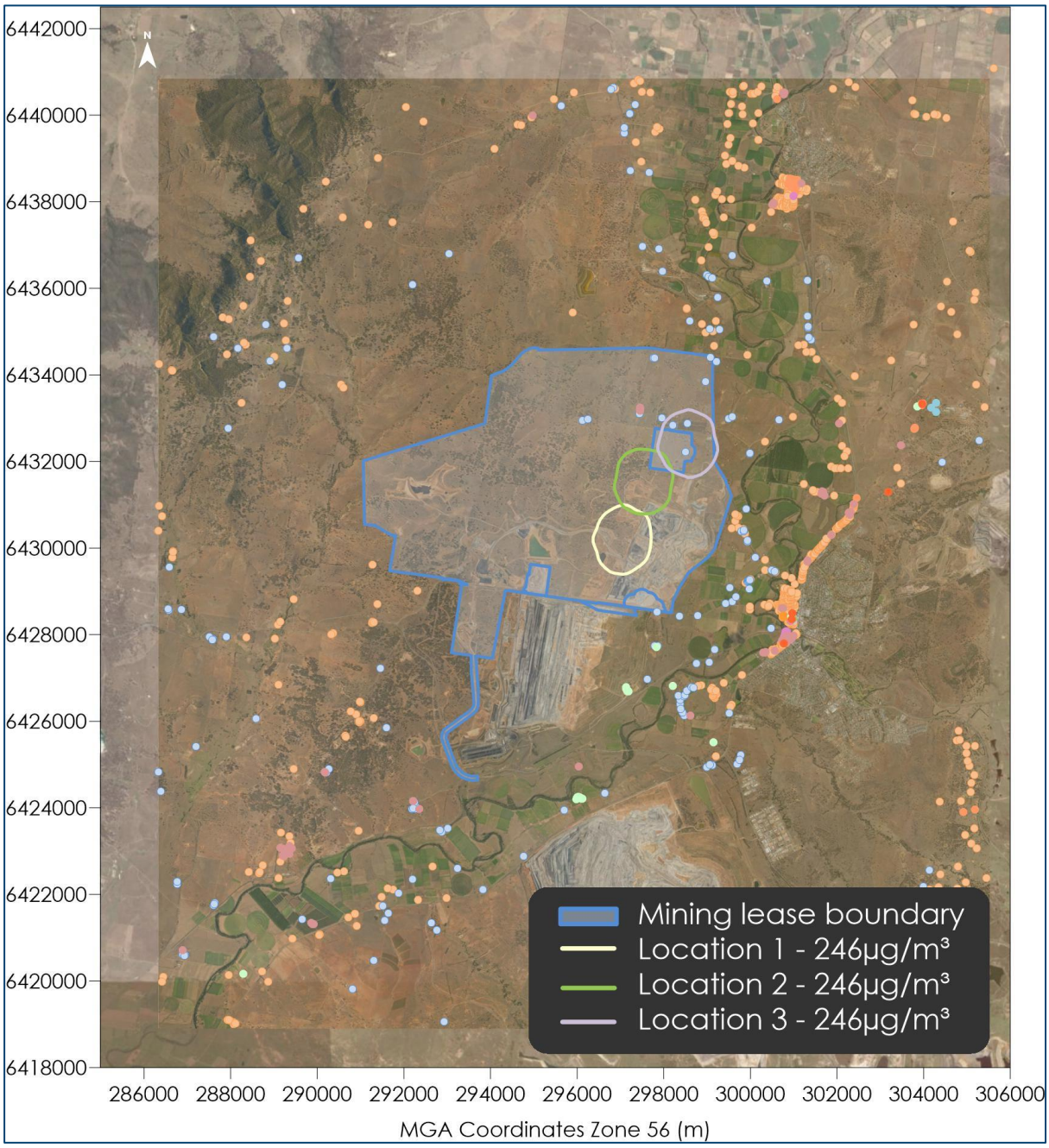
Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	0.2	46.7	9/01/2015	17.7	9.0	26.7
26/11/2015	45.1	0.0	45.1	16/06/2015	12.9	5.4	18.3
7/10/2015	41.5	0.1	41.6	27/05/2015	12.1	5.2	17.3
15/12/2015	41.3	1.3	42.6	14/06/2015	14.5	4.9	19.4
12/12/2015	39.7	0.0	39.7	13/09/2015	18.5	4.8	23.3
9/02/2015	33.2	0.6	33.8	25/05/2015	12.4	4.8	17.2
11/03/2015	32.6	0.4	33.0	13/06/2015	13.9	4.7	18.6
9/03/2015	32.3	0.1	32.4	29/06/2015	14	4.5	18.5
21/11/2015	31.8	0.0	31.8	15/04/2015	24	4.2	28.2
4/03/2015	31	0.1	31.1	22/06/2015	11.4	3.6	15.0

Table G-125: Scenario 6 – Receptor location 272

Ranked by Highest to Lowest Background Concentration				Ranked by Highest to Lowest Predicted Incremental Concentration			
Date	Measured background level	Predicted increment	Total cumulative 24-hr average level	Date	Measured background level	Predicted increment	Total cumulative 24-hr average level
6/05/2015	64.8	0.0	64.8				
10/03/2015	46.5	1.4	47.9	27/09/2015	12.3	3.0	15.3
26/11/2015	45.1	0.1	45.2	6/01/2015	15.8	2.8	18.6
7/10/2015	41.5	0.9	42.4	21/01/2015	14	2.7	16.7
15/12/2015	41.3	1.3	42.6	11/01/2015	7.9	2.6	10.5
12/12/2015	39.7	0.9	40.6	3/12/2015	21.3	2.4	23.7
9/02/2015	33.2	1.2	34.4	20/06/2015	8.8	2.3	11.1
11/03/2015	32.6	0.8	33.4	6/12/2015	21	2.3	23.3
9/03/2015	32.3	0.3	32.6	7/11/2015	12.2	2.2	14.4
21/11/2015	31.8	1.0	32.8	13/03/2015	21.5	2.1	23.6
4/03/2015	31	1.0	32.0	23/12/2015	10.3	2.1	12.4

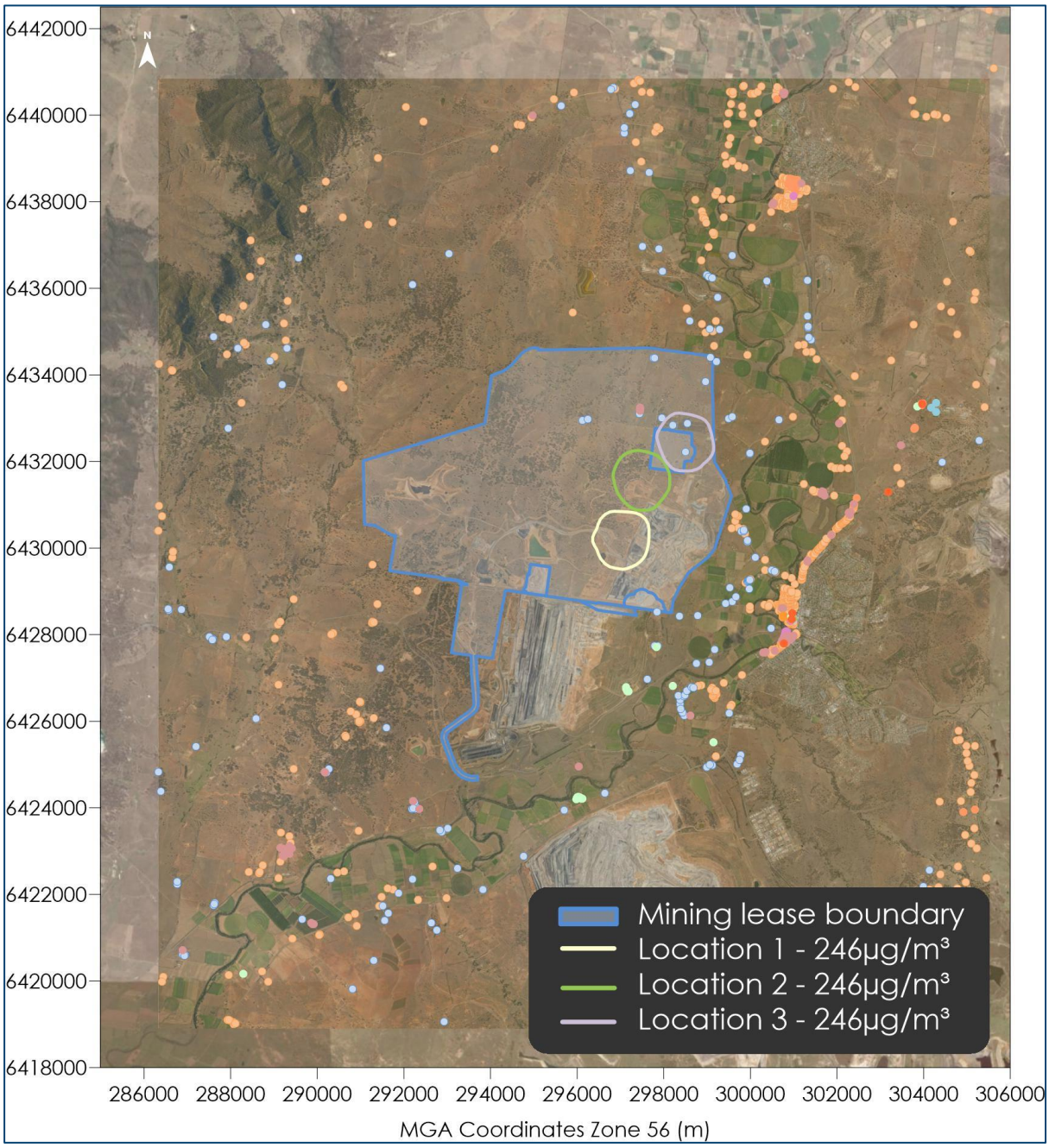
Appendix H

Isopleth Diagrams – Blast Emissions



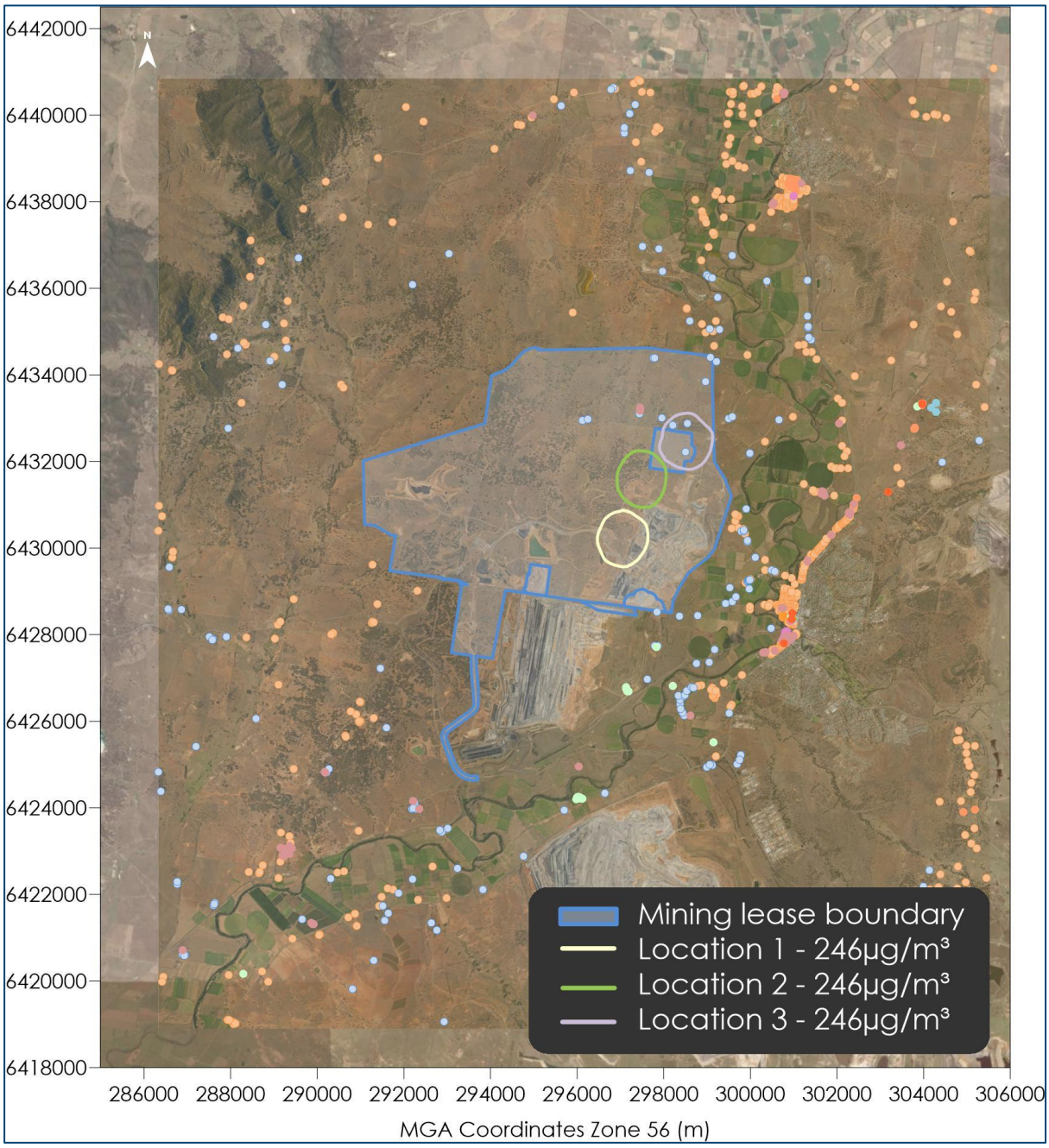
Refer to **Figure 2-1** for receiver legend

Figure H-1: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 1 – 09:00 (µg/m³)



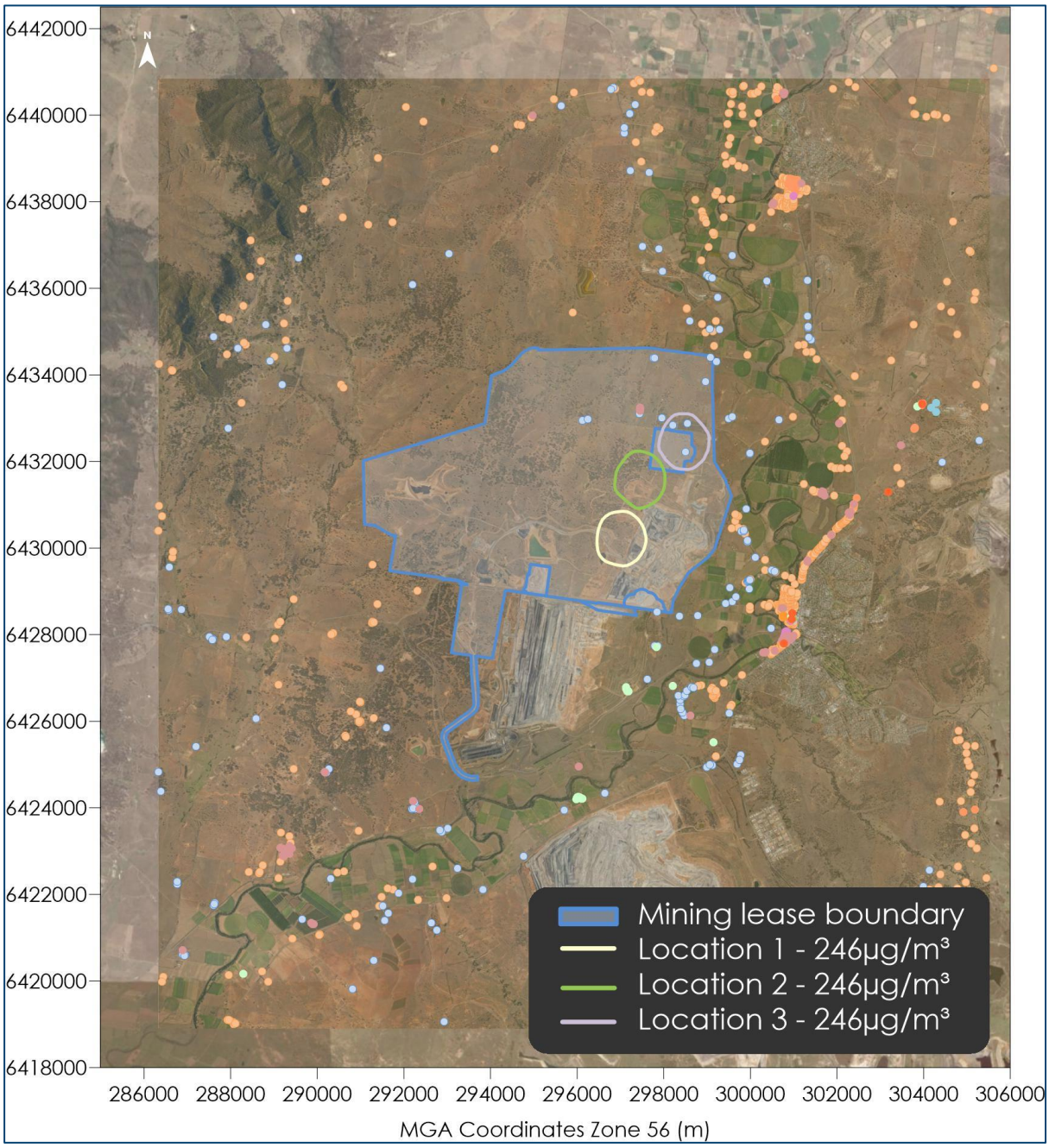
Refer to **Figure 2-1** for receiver legend

Figure H-2: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 1 – 10:00 (µg/m³)



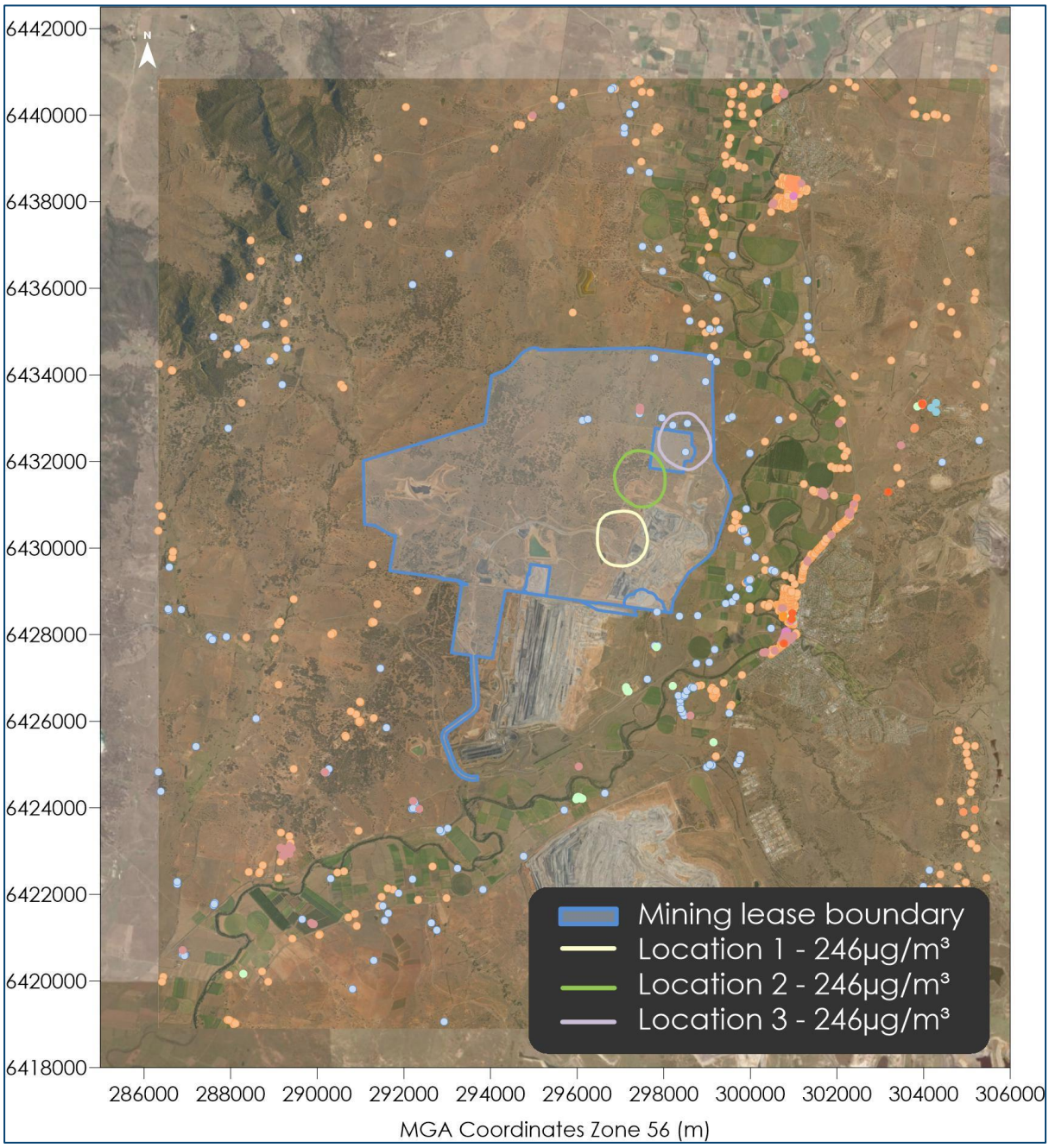
Refer to **Figure 2-1** for receiver legend

Figure H-3: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 1 – 11:00 (µg/m³)



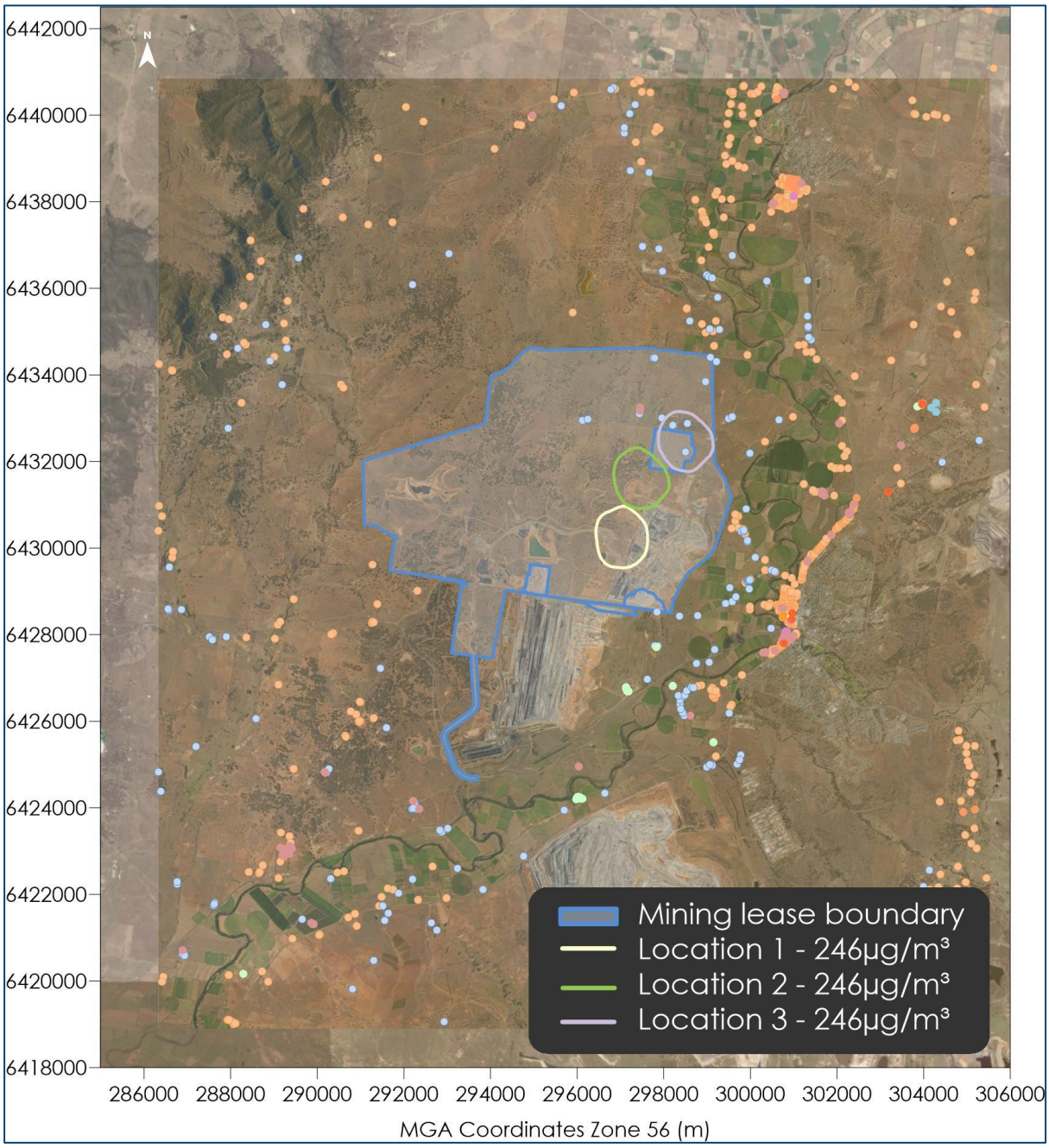
Refer to **Figure 2-1** for receiver legend

Figure H-4: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 1 – 12:00 (µg/m³)



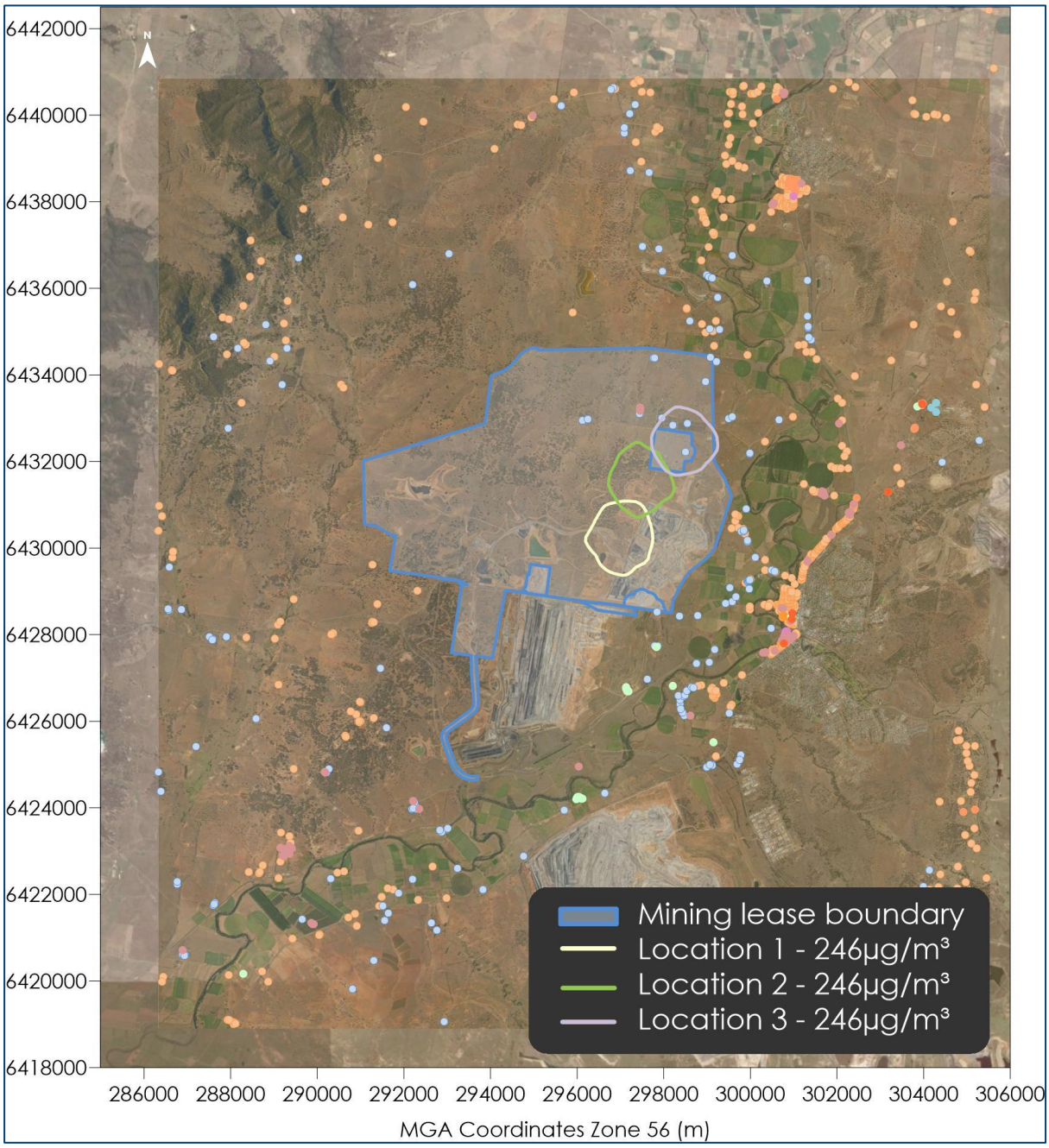
Refer to **Figure 2-1** for receiver legend

Figure H-5: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 1 – 13:00 (µg/m³)



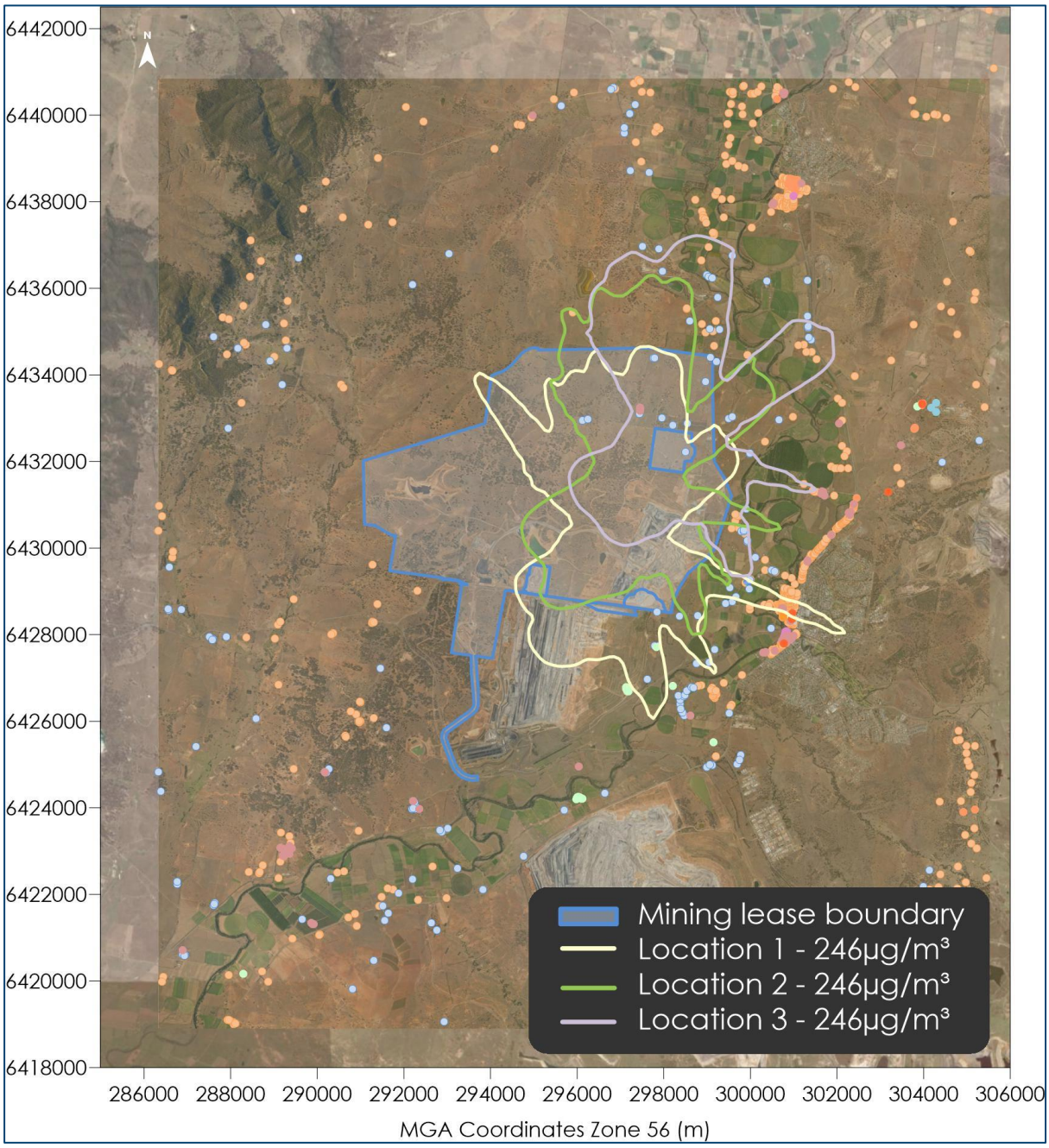
Refer to **Figure 2-1** for receiver legend

Figure H-6: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 1 – 14:00 (µg/m³)



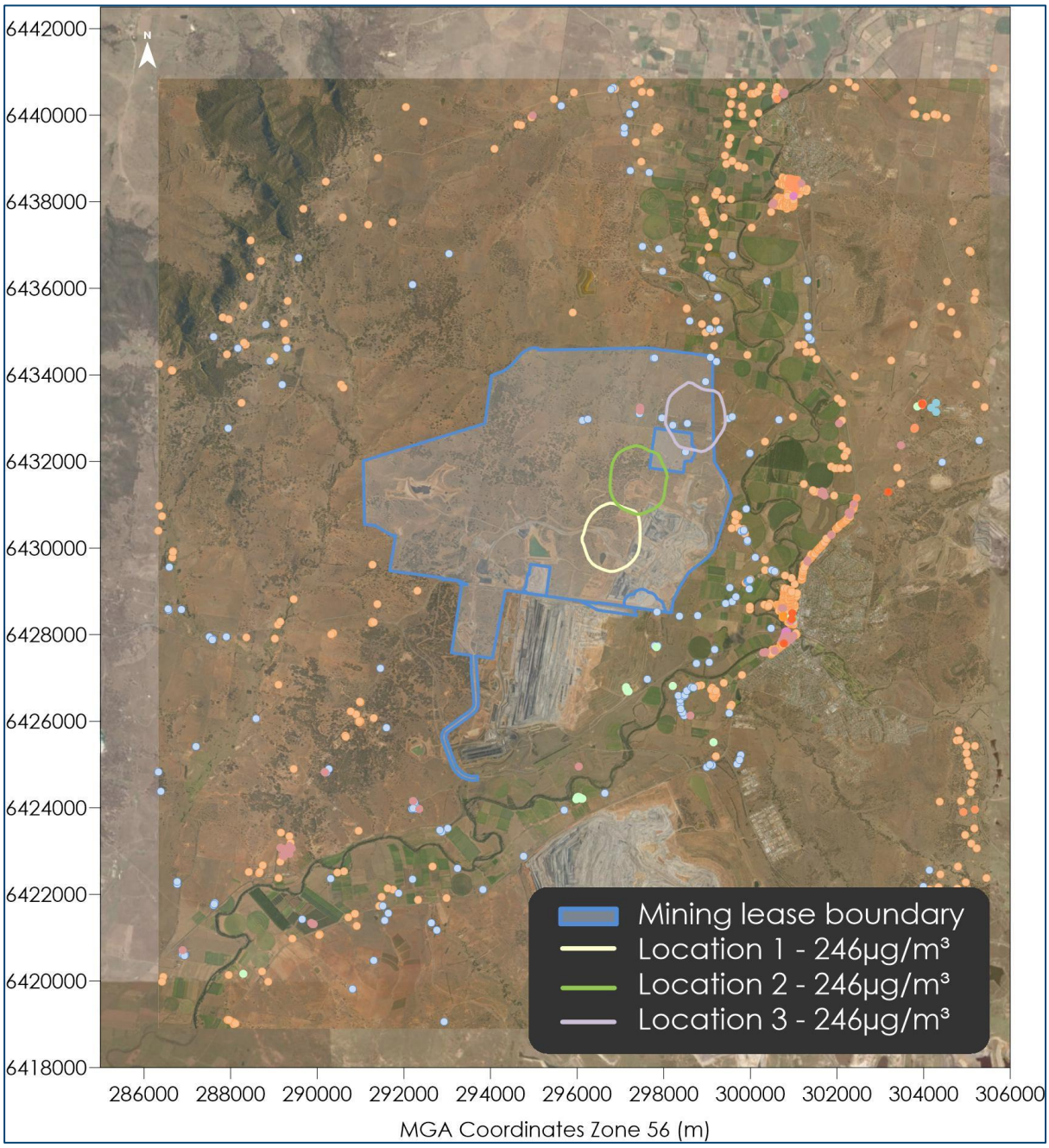
Refer to **Figure 2-1** for receiver legend

Figure H-7: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 1 – 15:00 (µg/m³)



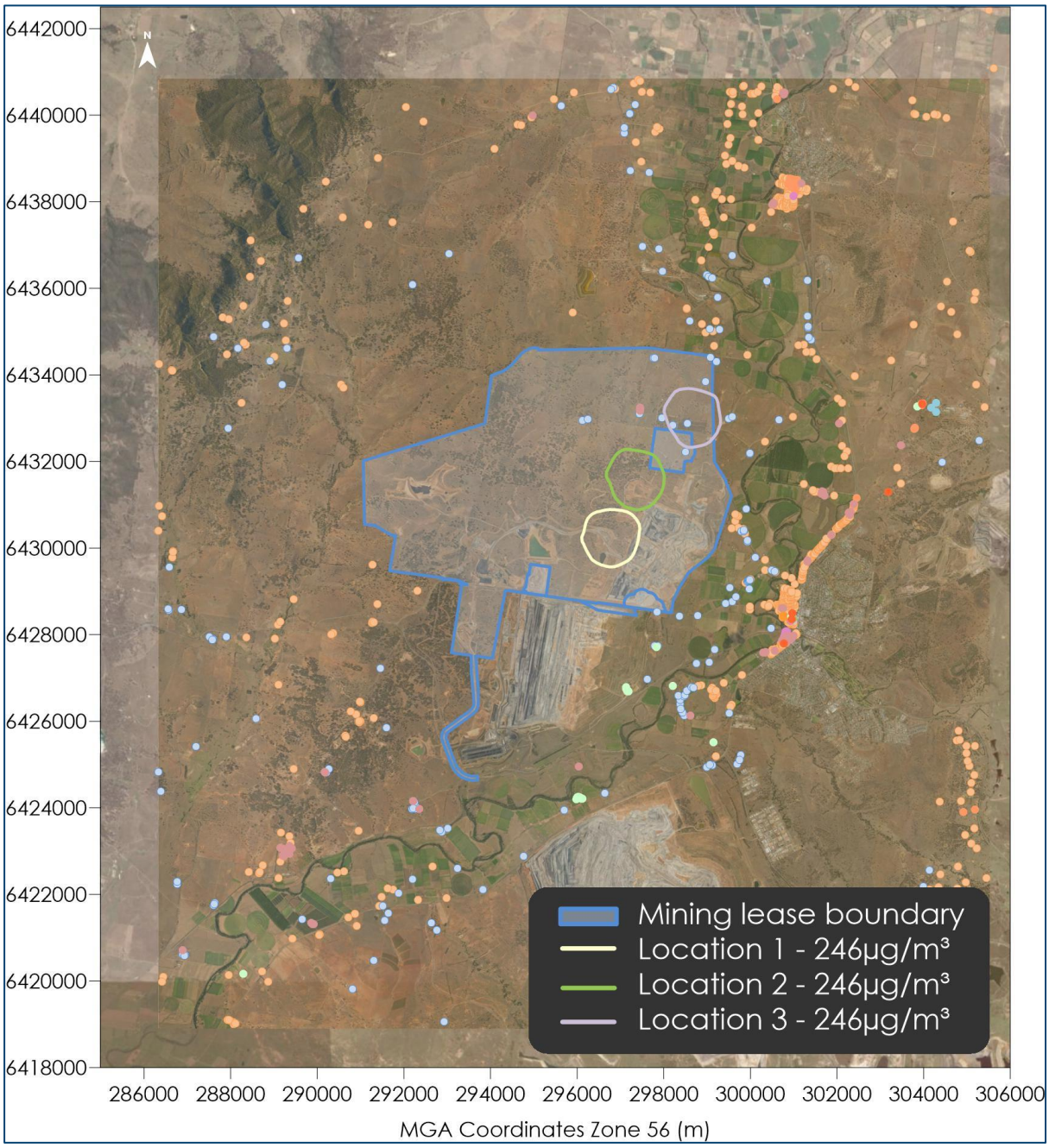
Refer to **Figure 2-1** for receiver legend

Figure H-8: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 1 – 16:00 (µg/m³)



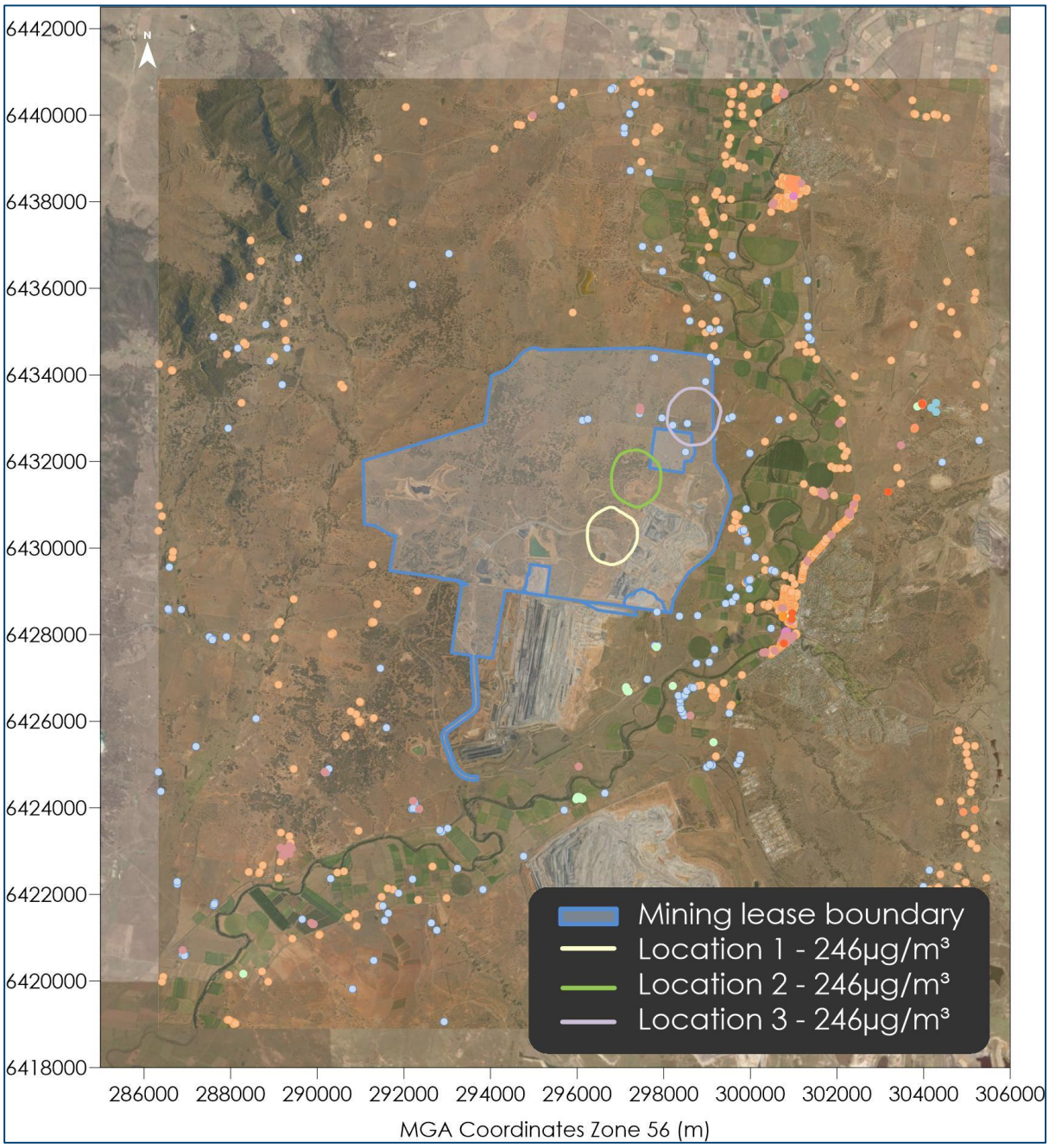
Refer to **Figure 2-1** for receiver legend

Figure H-9: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 2 – 09:00 (µg/m³)



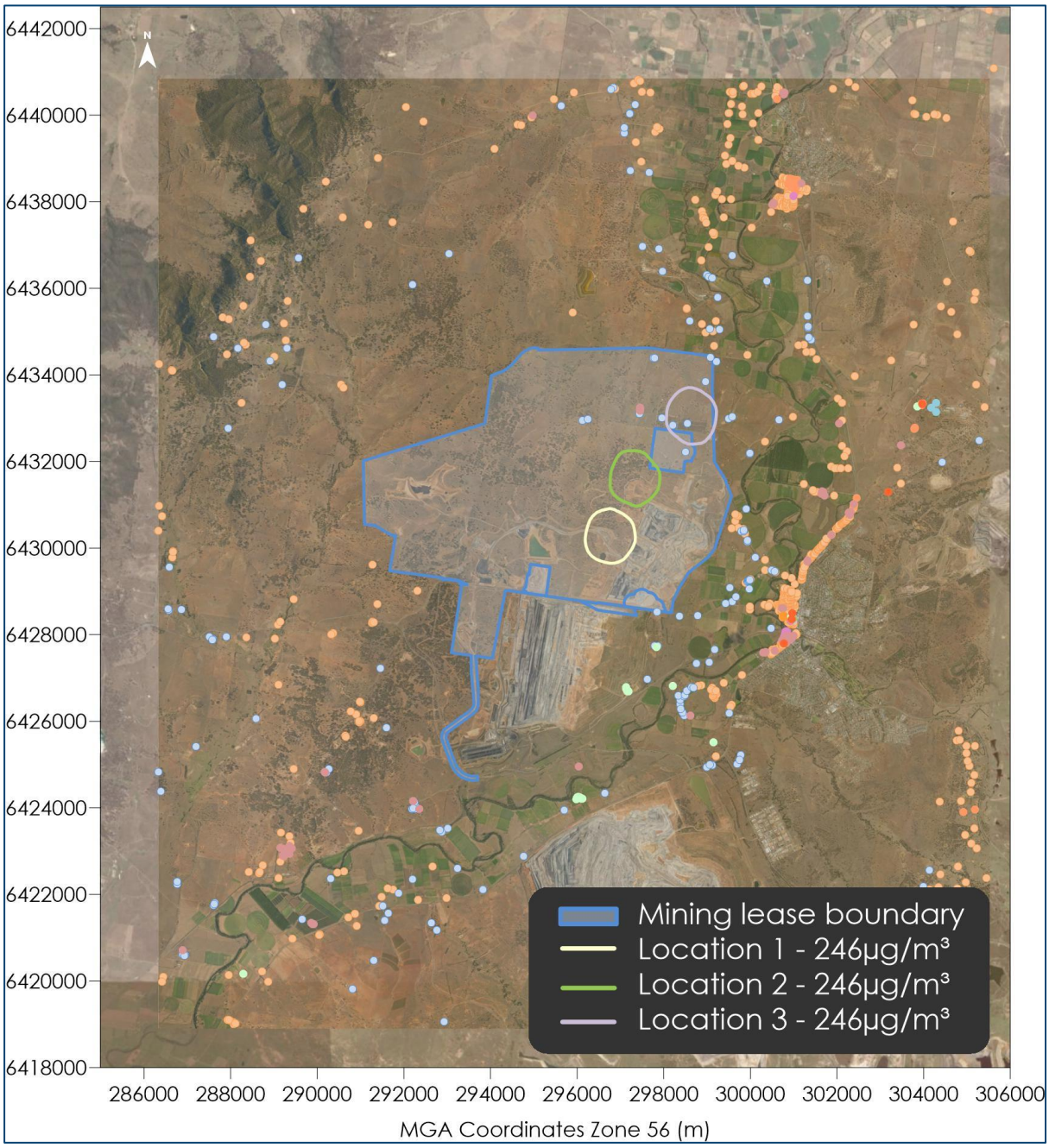
Refer to **Figure 2-1** for receiver legend

Figure H-10: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 2 – 10:00 (µg/m³)



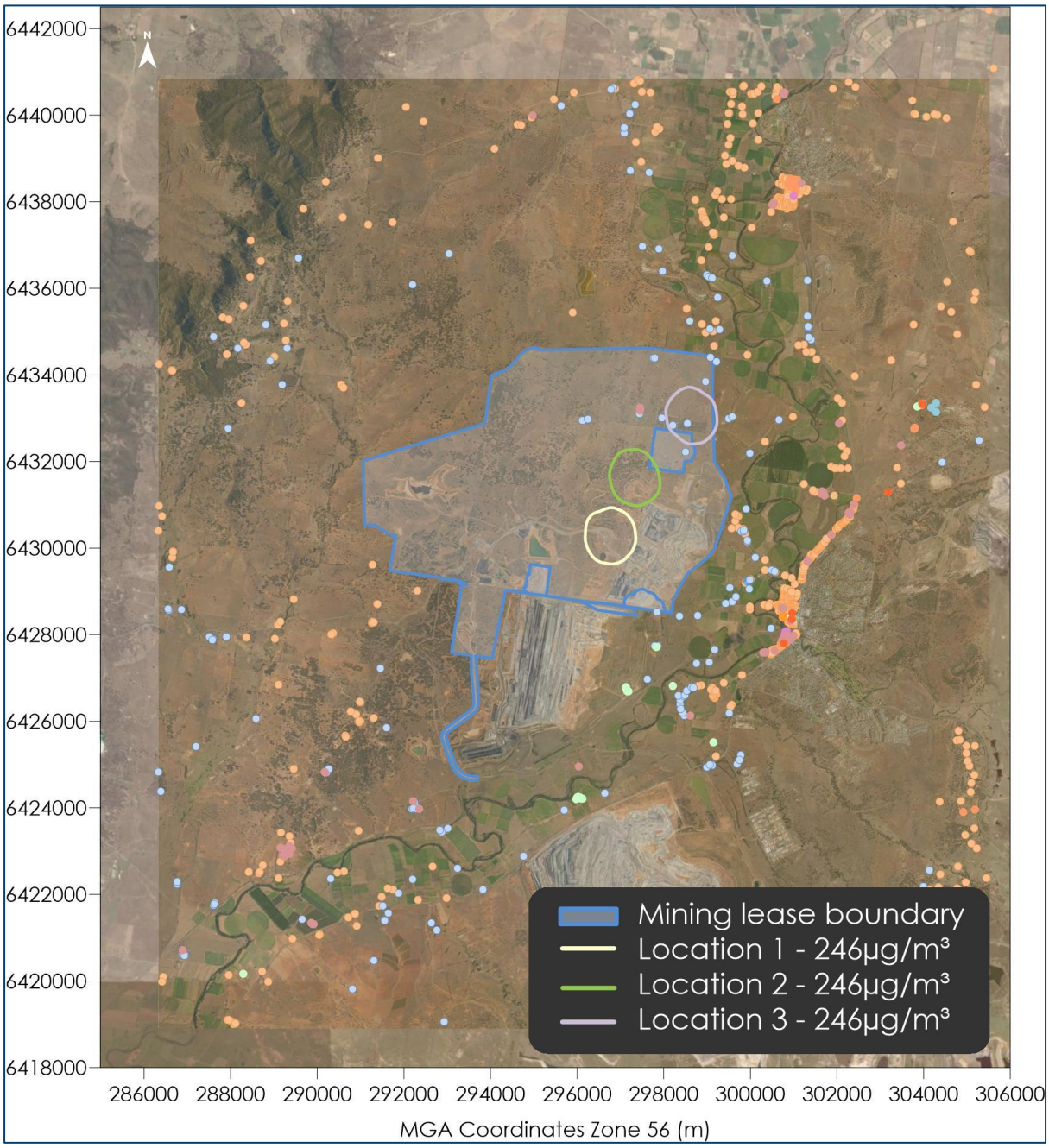
Refer to **Figure 2-1** for receiver legend

Figure H-11: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 2 – 11:00 (µg/m³)



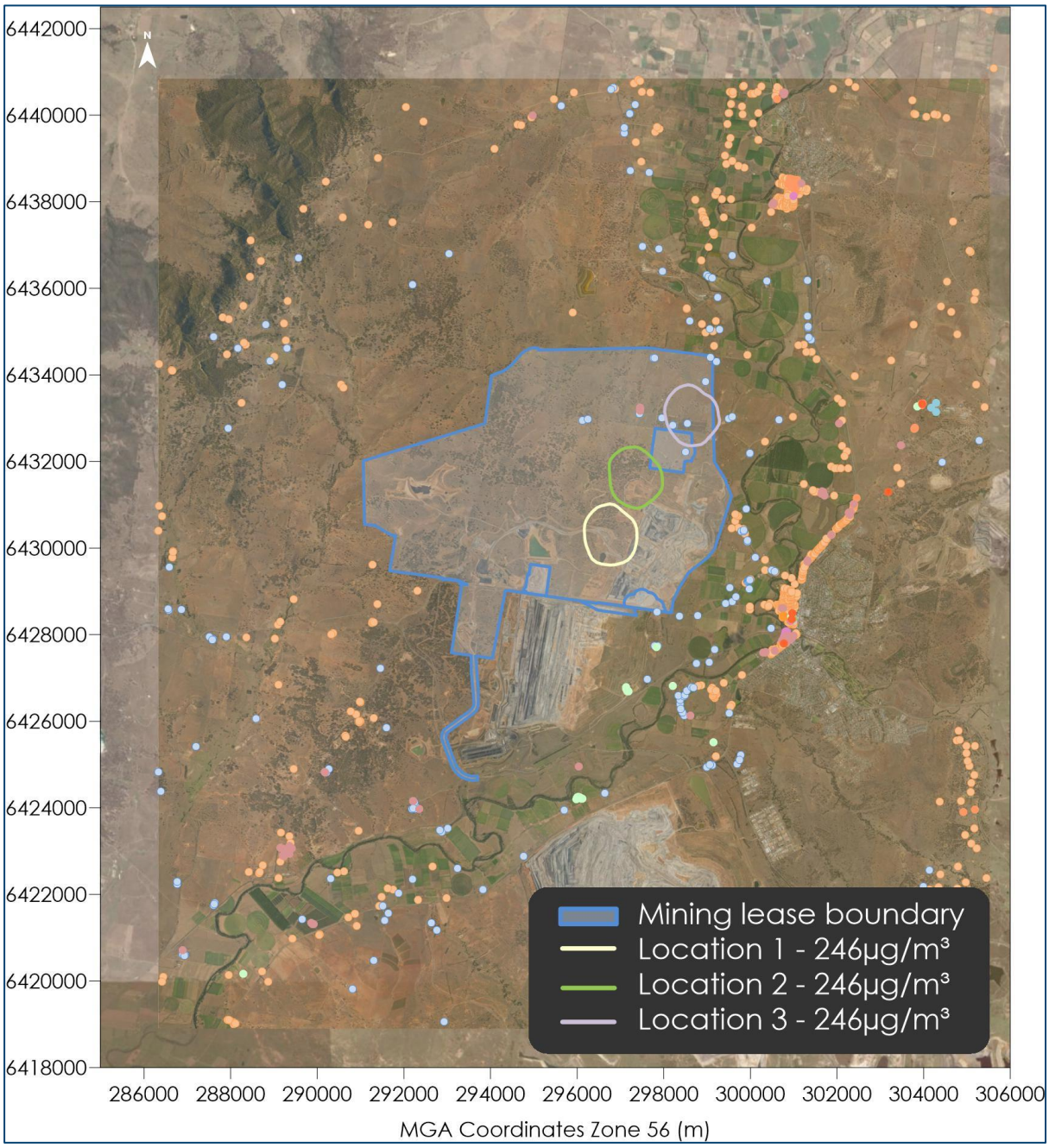
Refer to **Figure 2-1** for receiver legend

Figure H-12: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 2 – 12:00 (µg/m³)



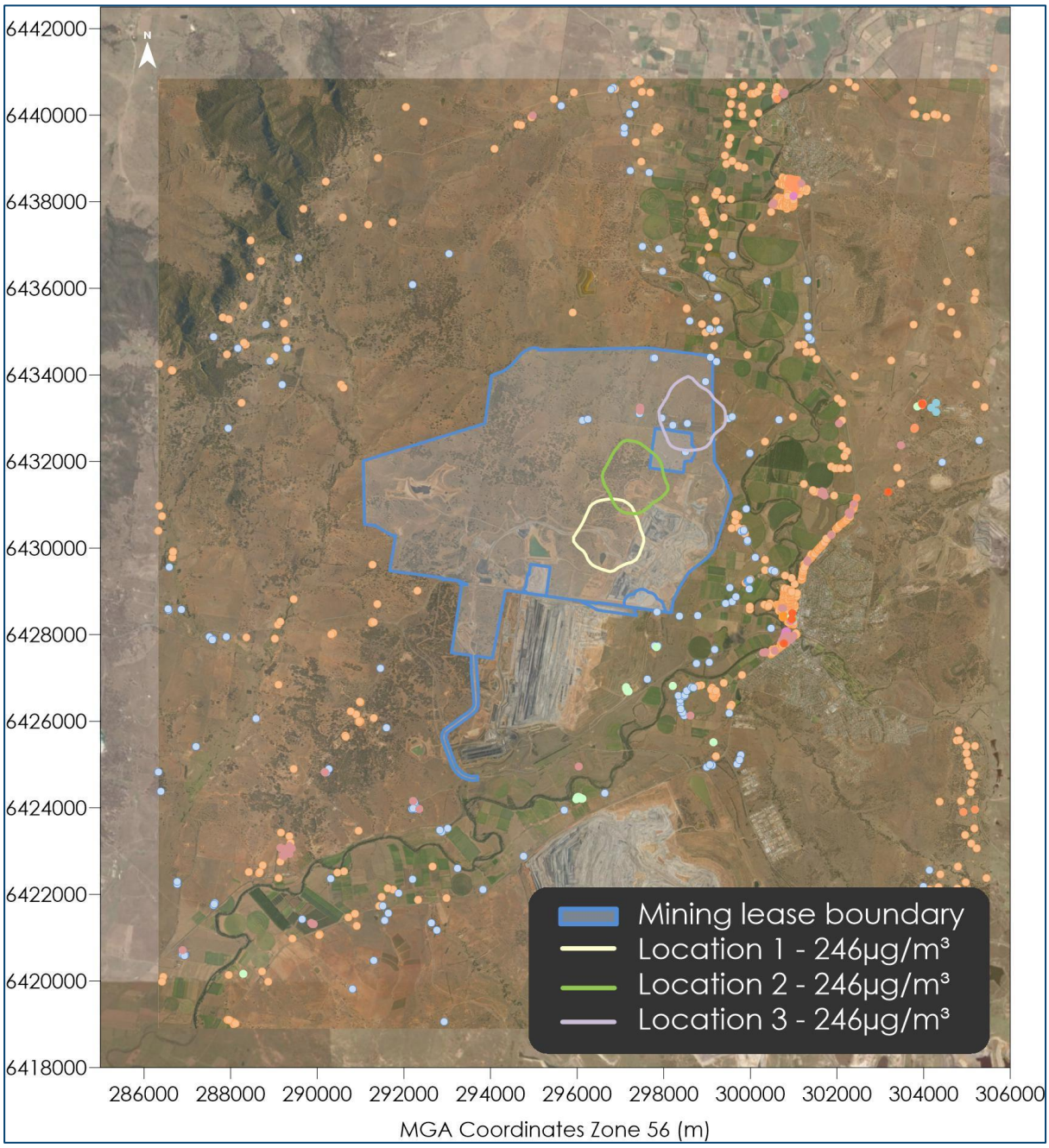
Refer to **Figure 2-1** for receiver legend

Figure H-13: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 2 – 13:00 (µg/m³)



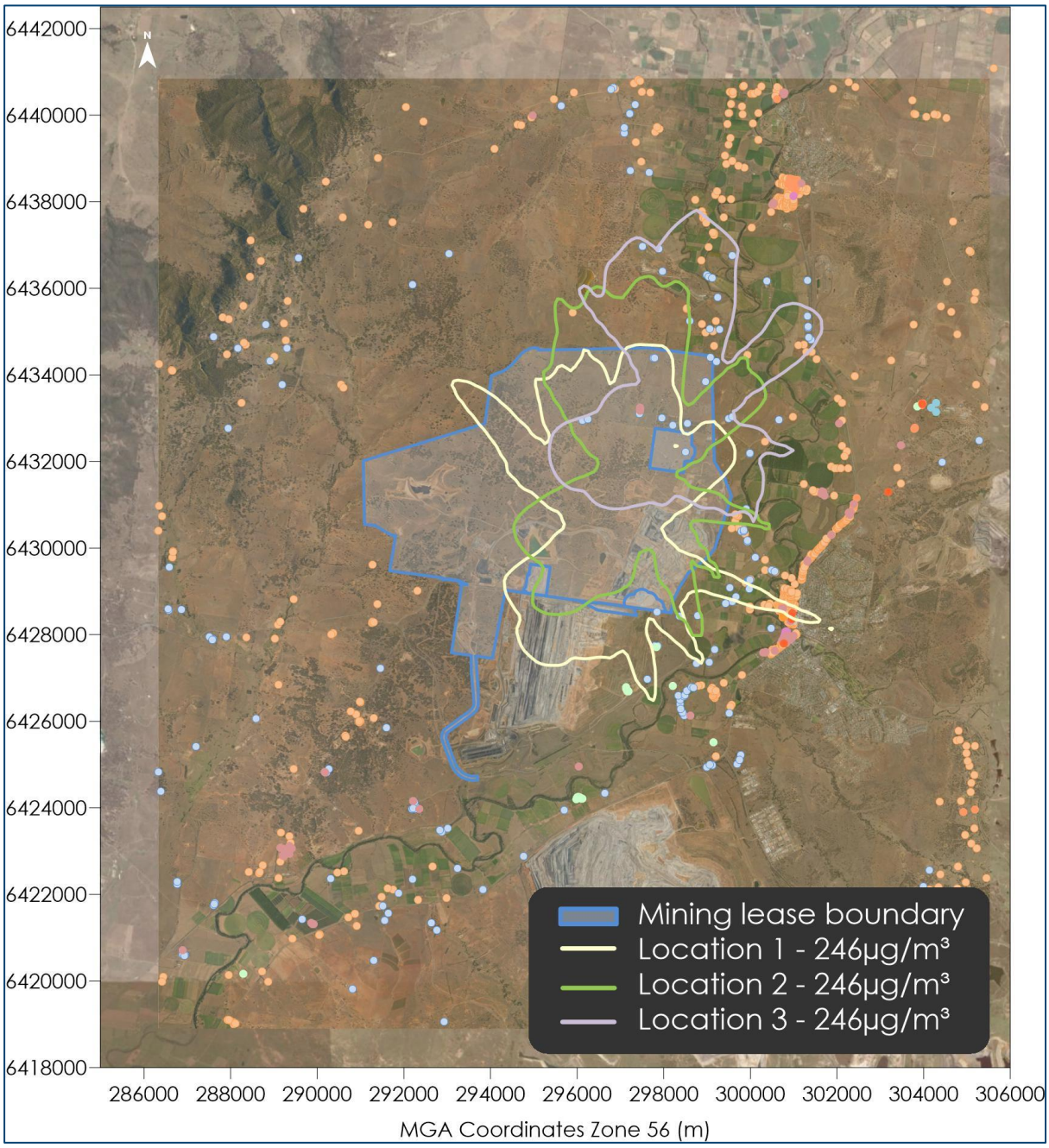
Refer to **Figure 2-1** for receiver legend

Figure H-14: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 2 – 14:00 (µg/m³)



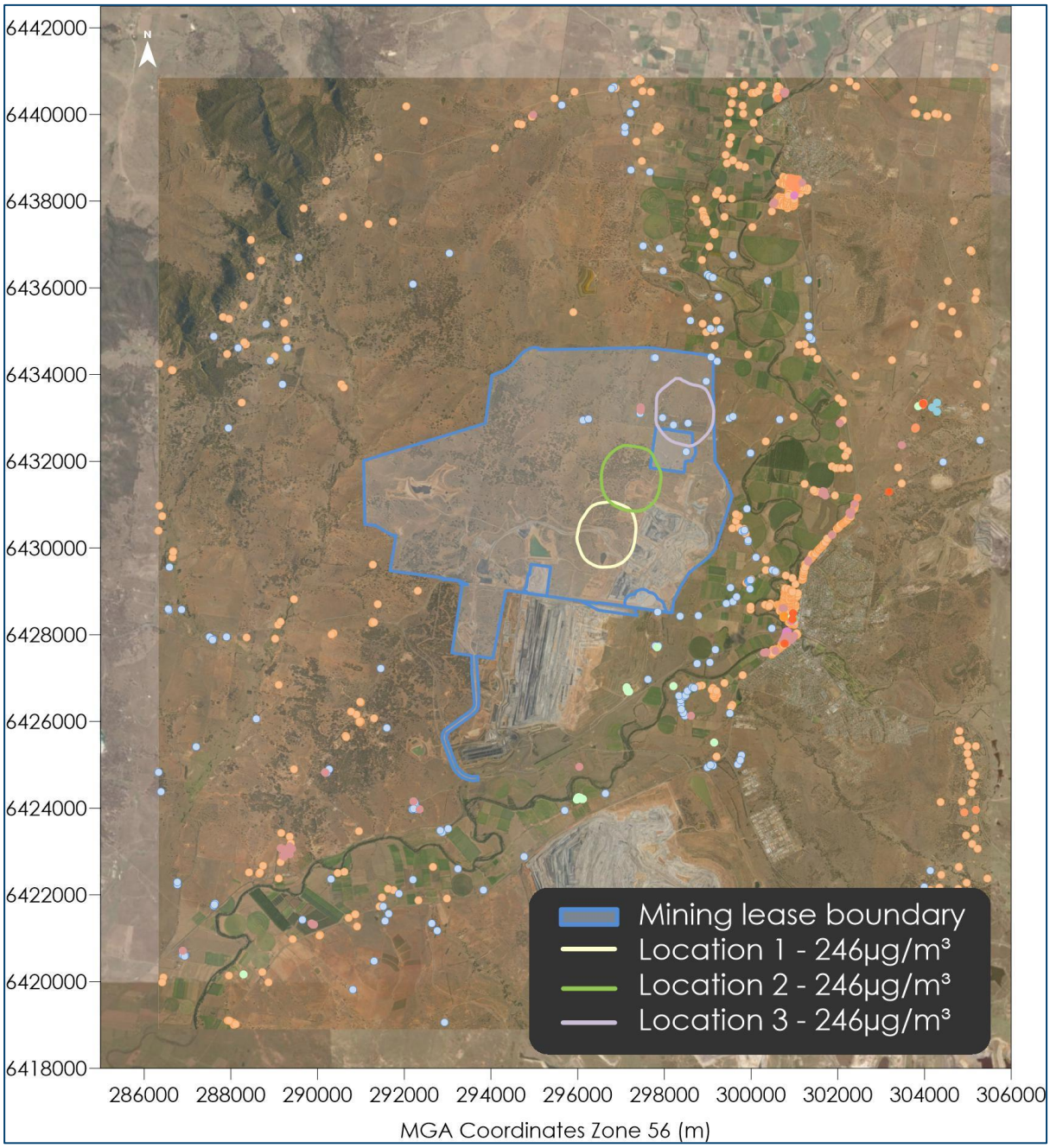
Refer to **Figure 2-1** for receiver legend

Figure H-15: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 2 – 15:00 (µg/m³)



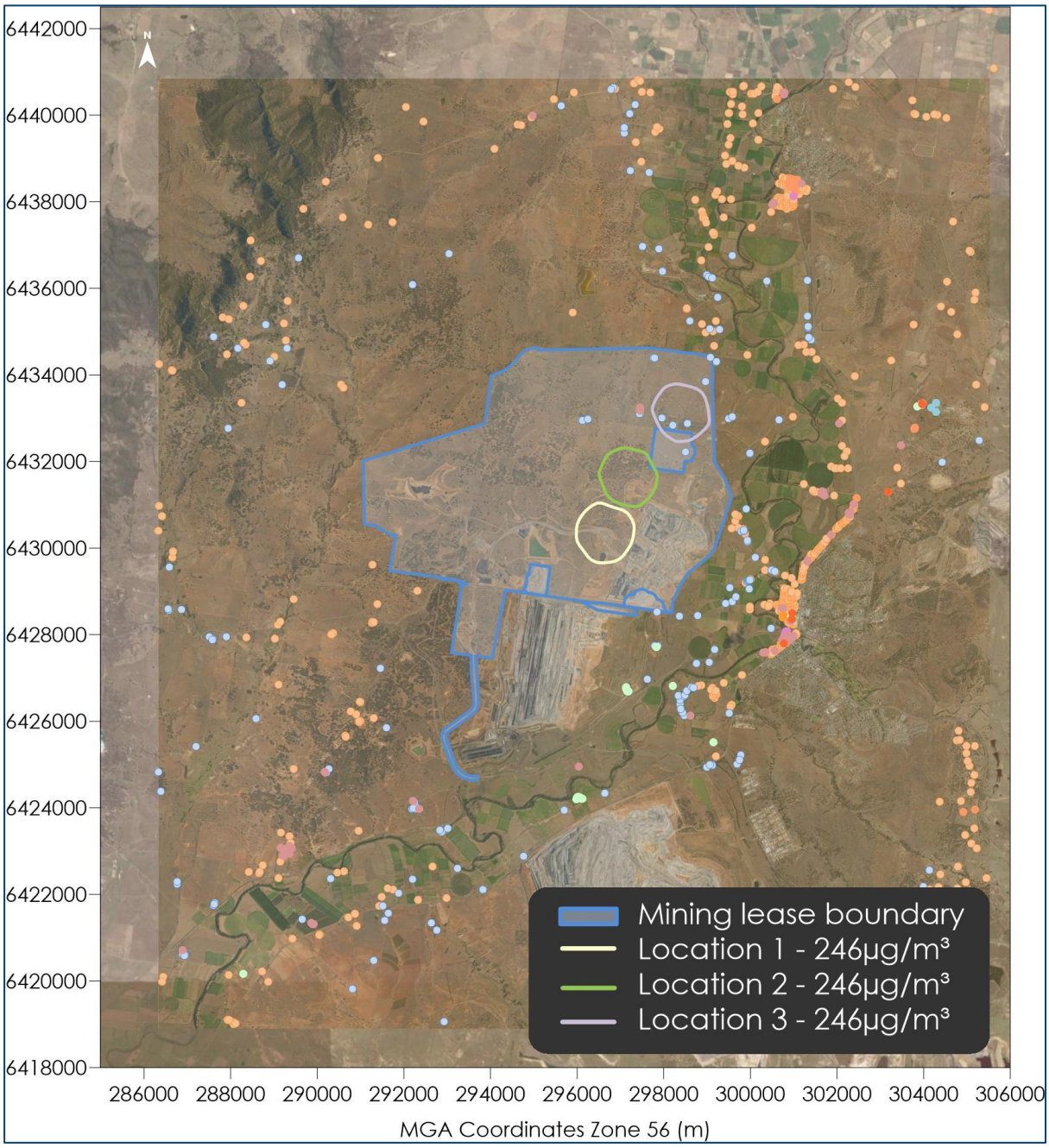
Refer to **Figure 2-1** for receiver legend

Figure H-16: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 2 – 16:00 (µg/m³)



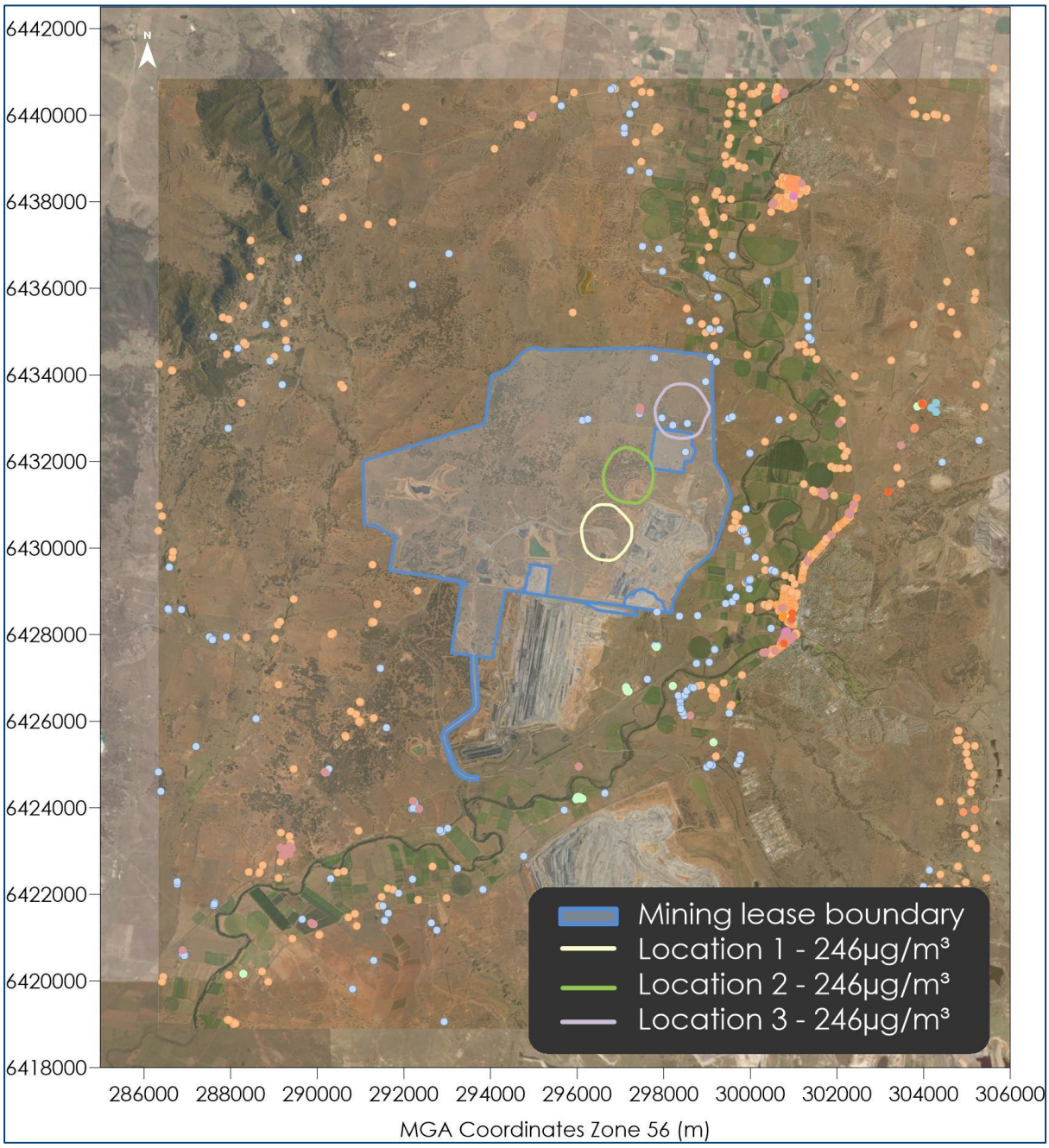
Refer to **Figure 2-1** for receiver legend

Figure H-17: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 3 – 09:00 (µg/m³)



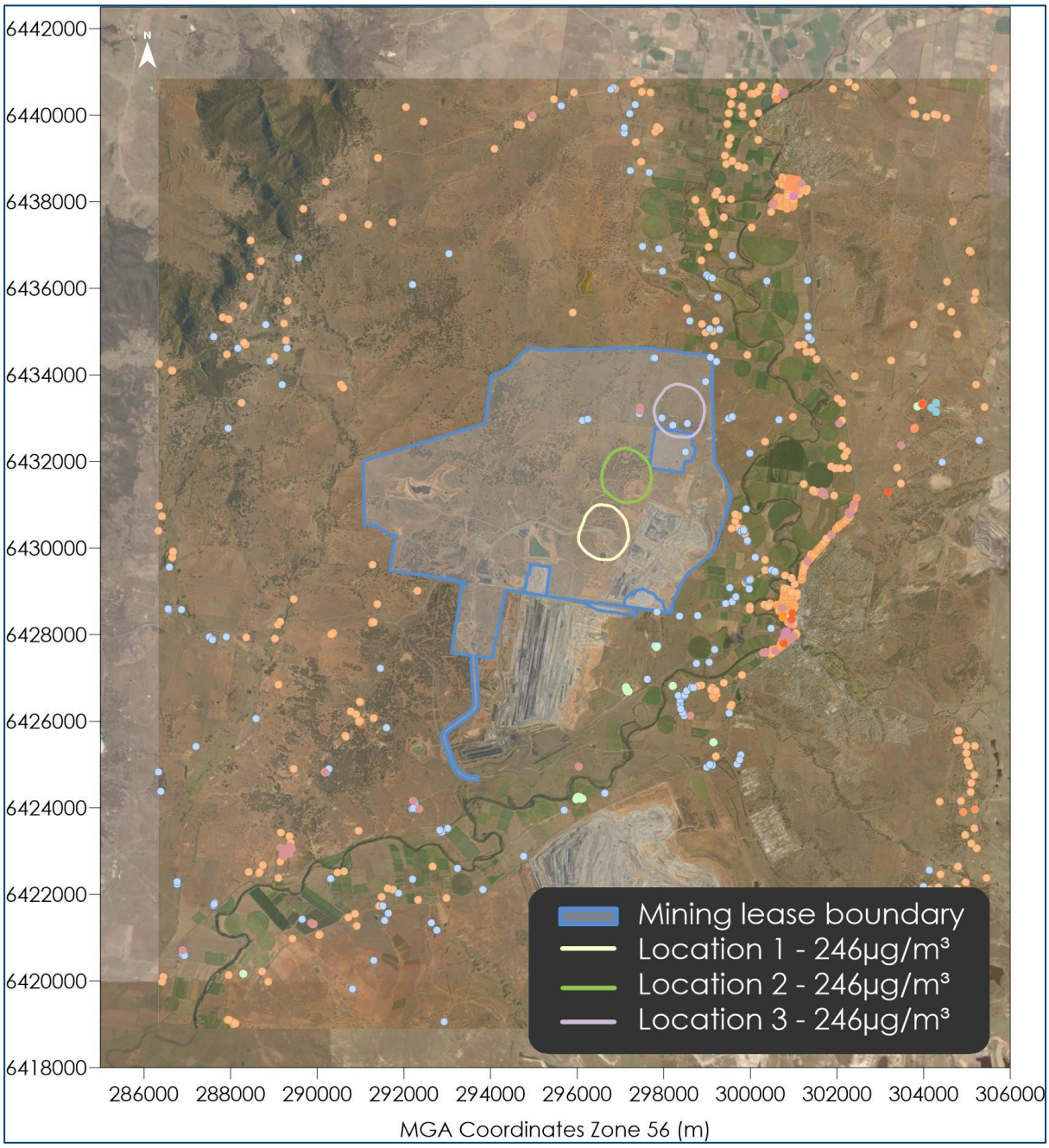
Refer to **Figure 2-1** for receiver legend

Figure H-18: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 3 – 10:00 (µg/m³)



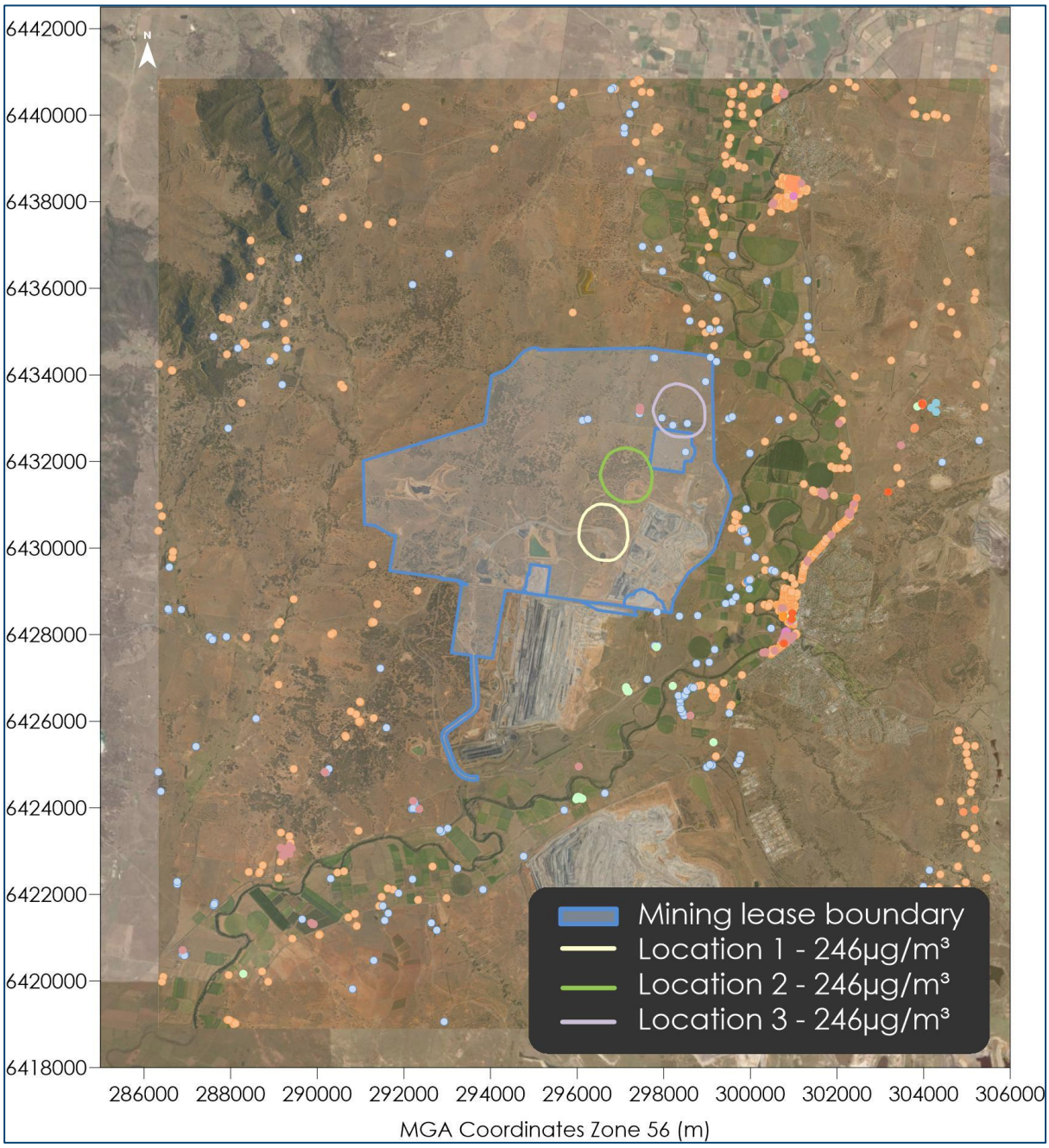
Refer to **Figure 2-1** for receiver legend

Figure H-19: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 3 – 11:00 (µg/m³)



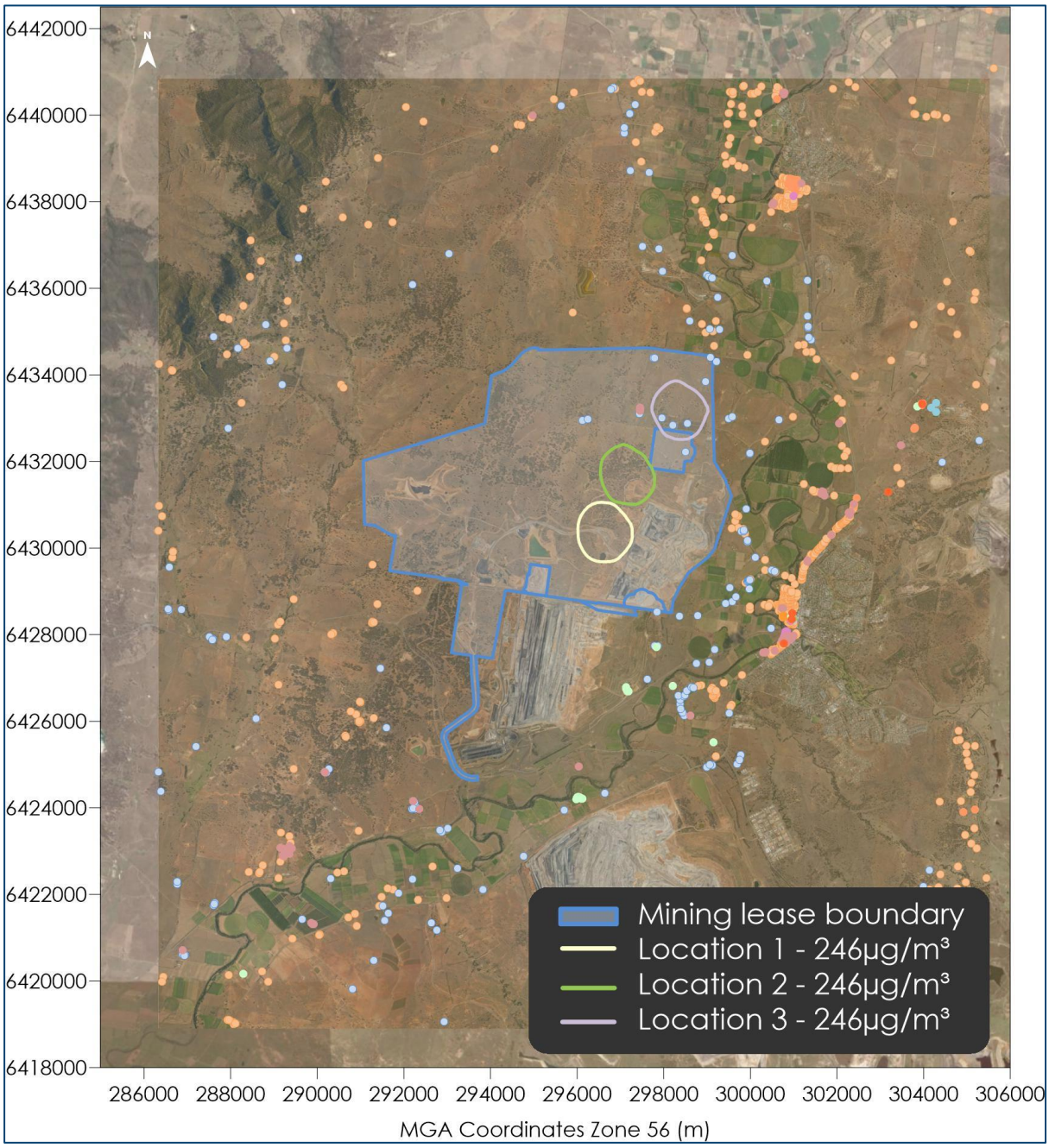
Refer to **Figure 2-1** for receiver legend

Figure H-20: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 3 – 12:00 (µg/m³)



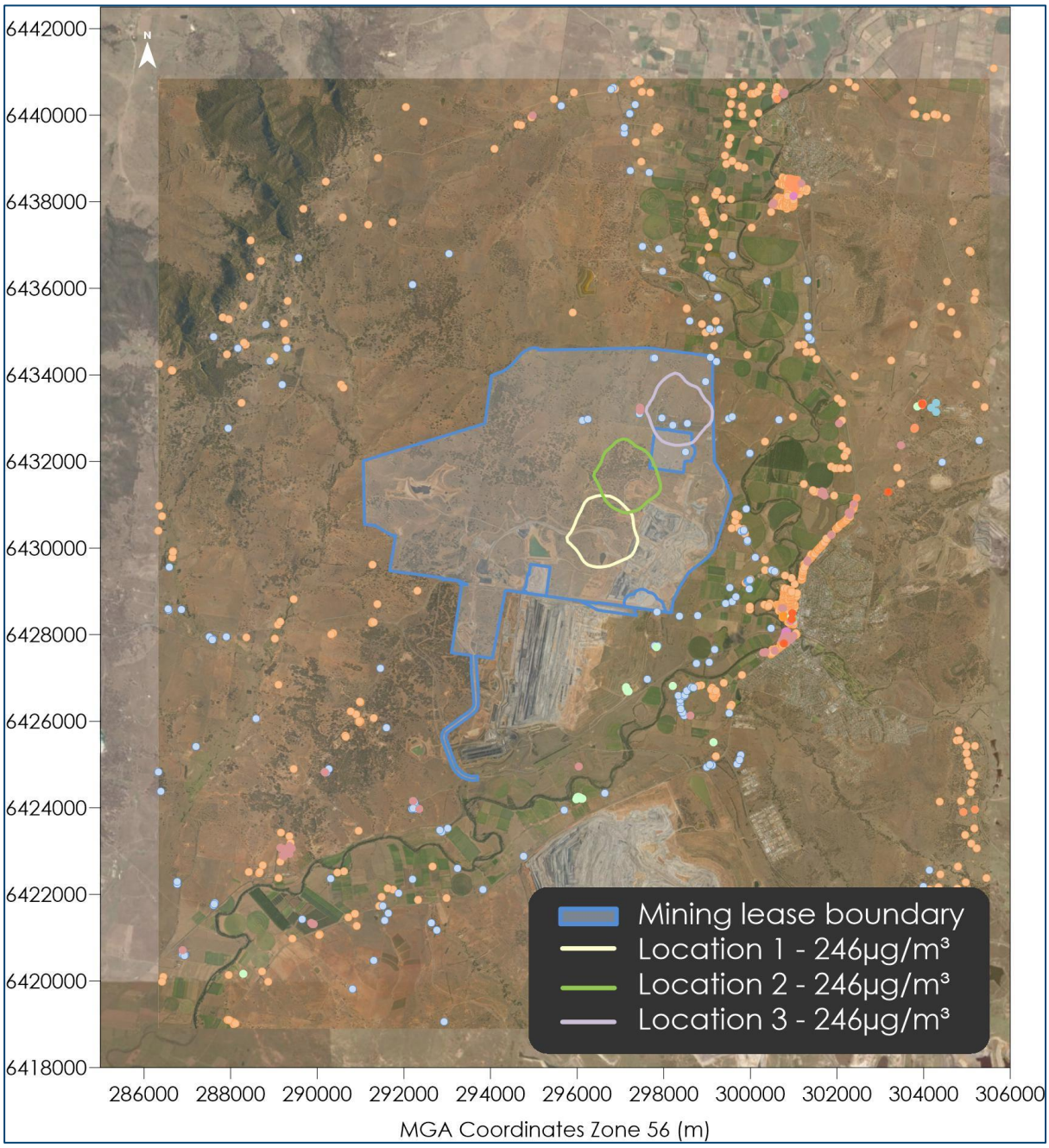
Refer to **Figure 2-1** for receiver legend

Figure H-21: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 3 – 13:00 (µg/m³)



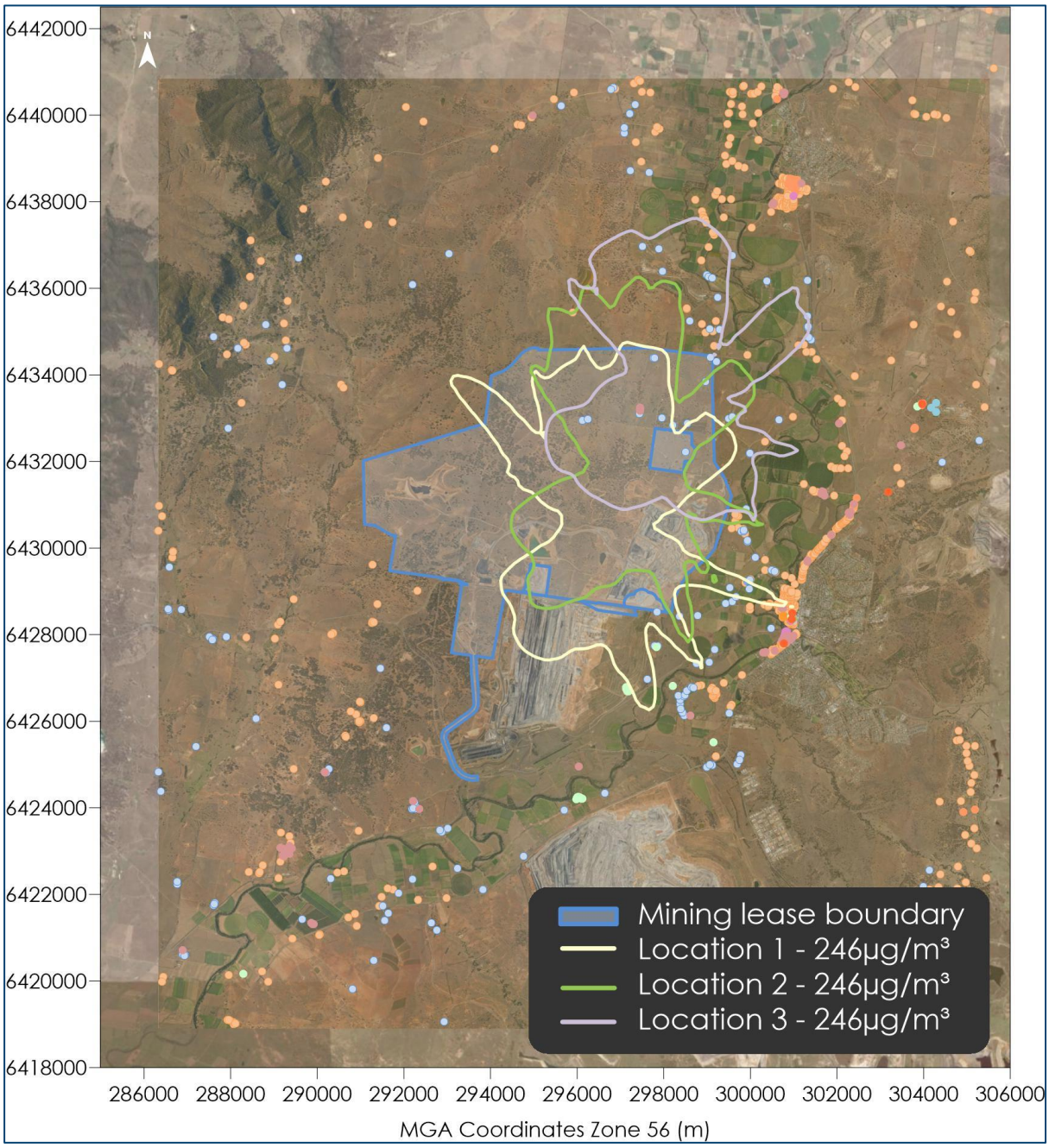
Refer to **Figure 2-1** for receiver legend

Figure H-22: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 3 – 14:00 (µg/m³)



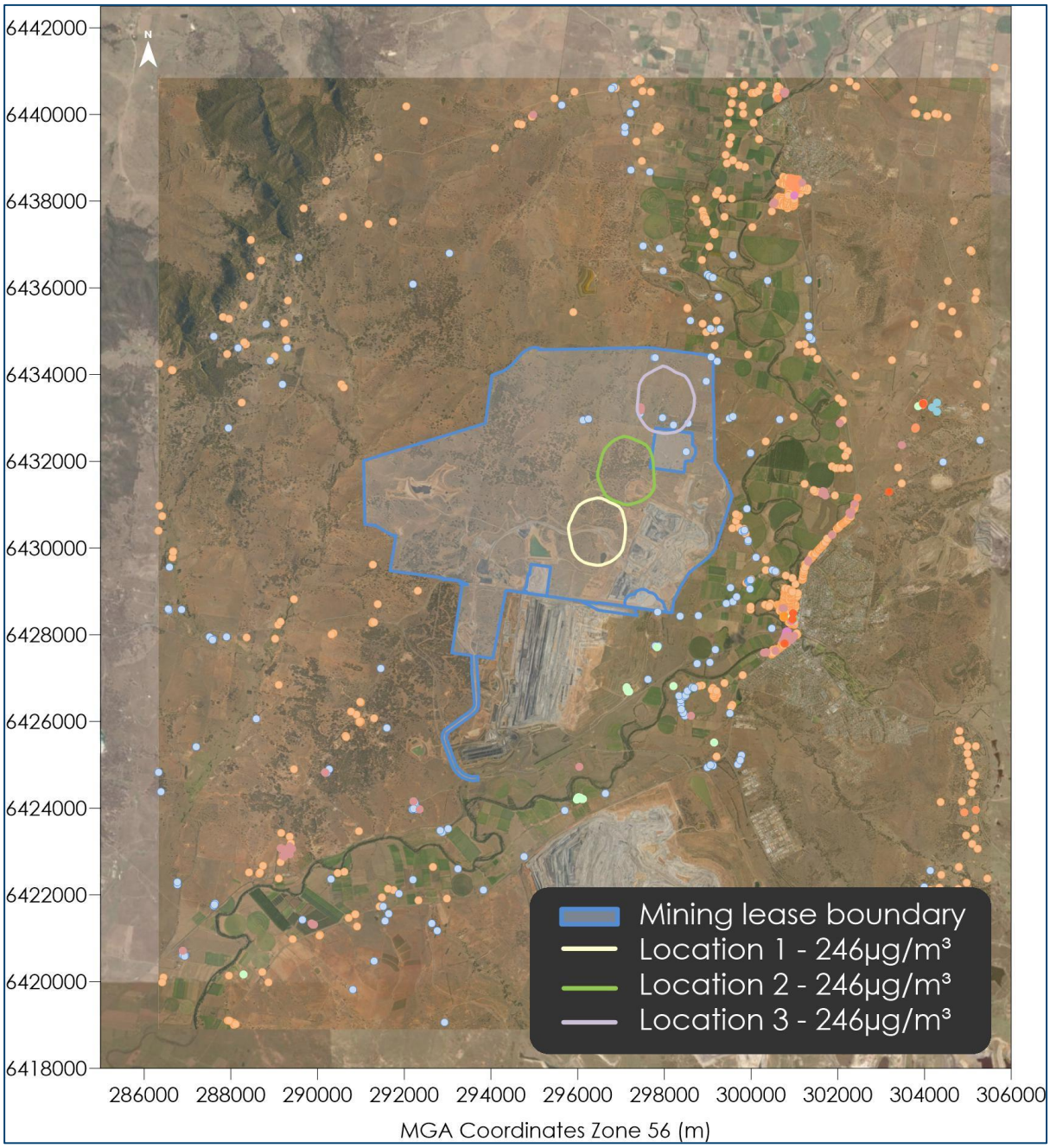
Refer to **Figure 2-1** for receiver legend

Figure H-23: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 3 – 15:00 (µg/m³)



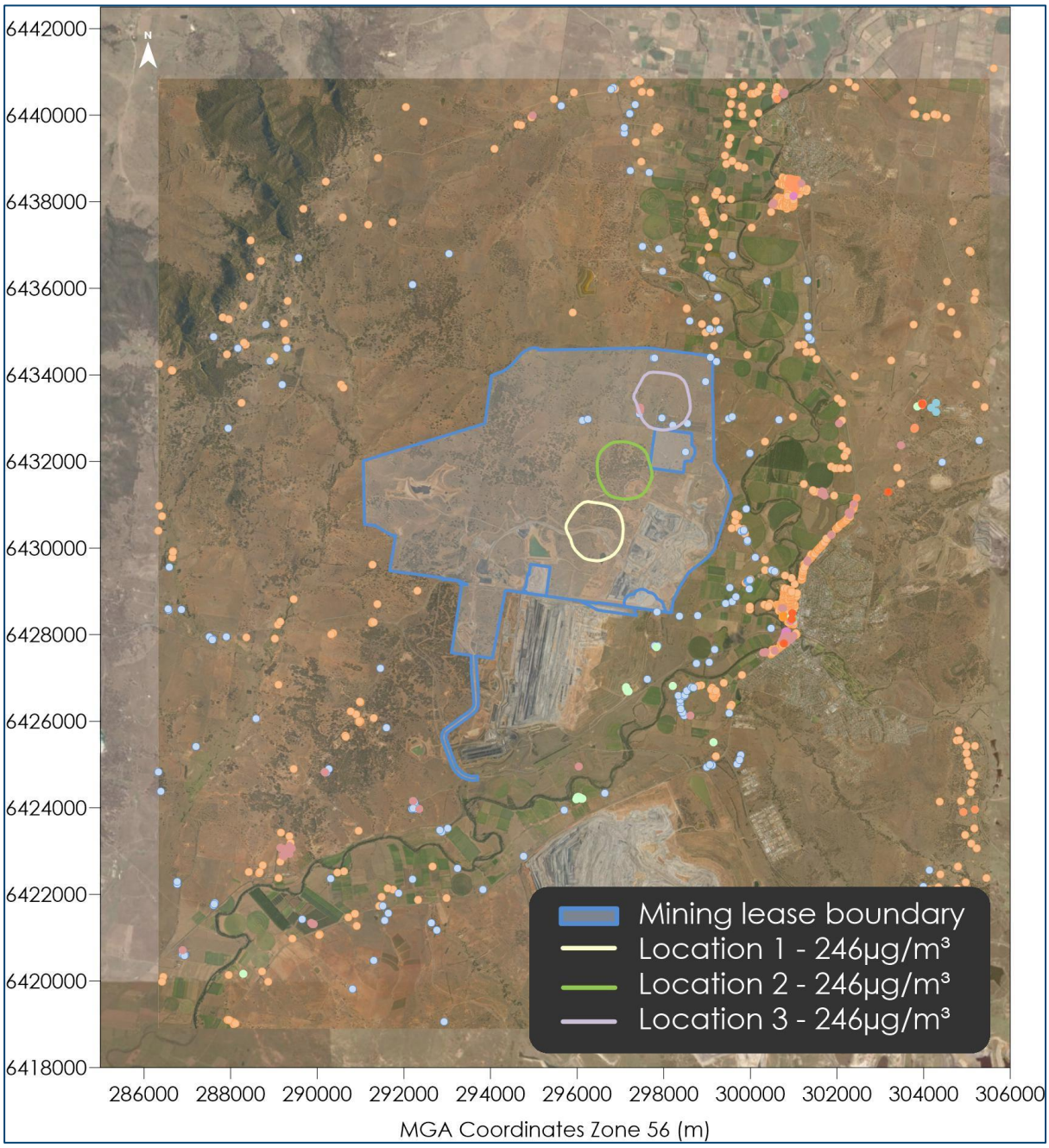
Refer to **Figure 2-1** for receiver legend

Figure H-24: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 3 – 16:00 (µg/m³)



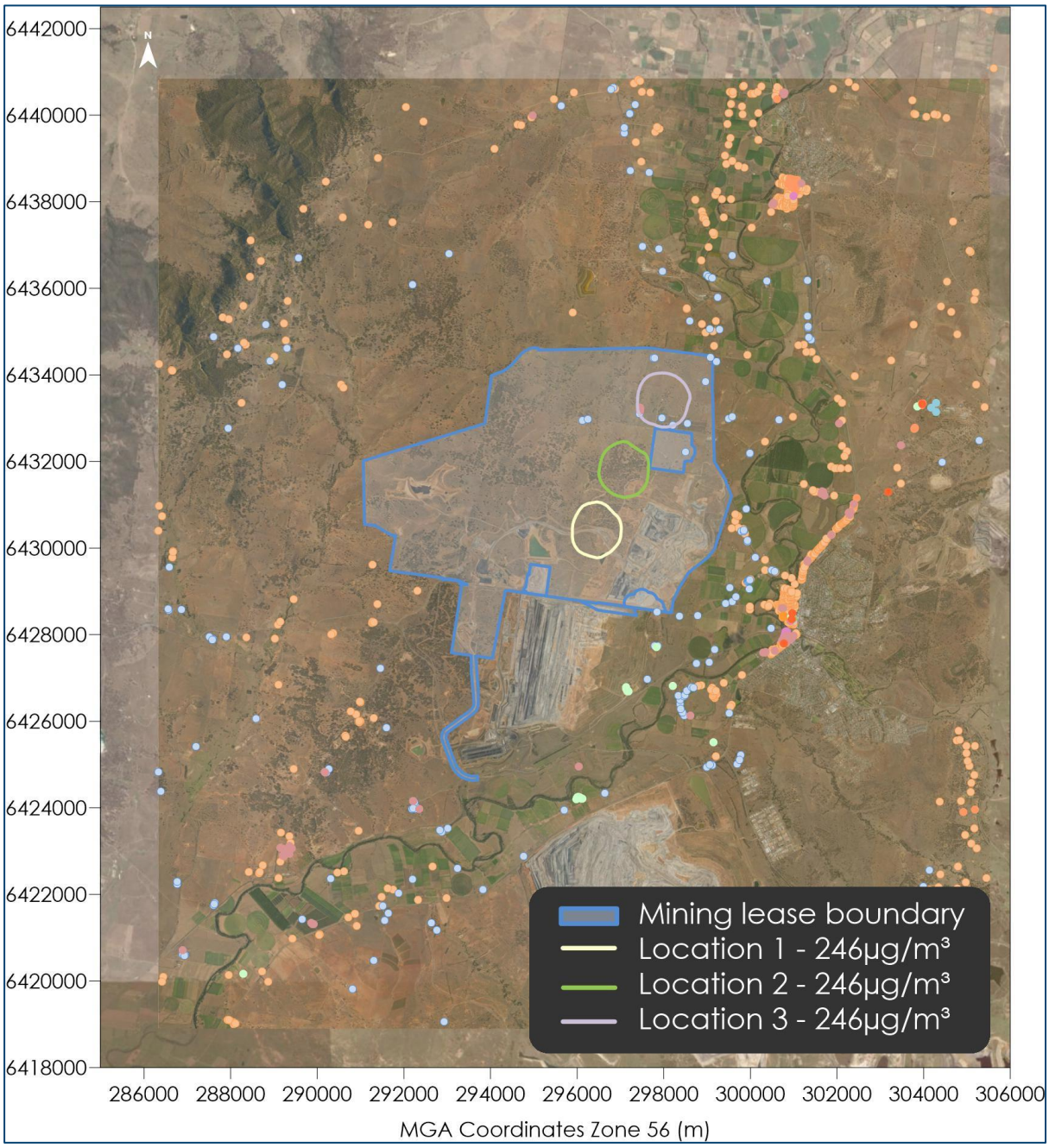
Refer to **Figure 2-1** for receiver legend

Figure H-25: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 4 – 09:00 (µg/m³)



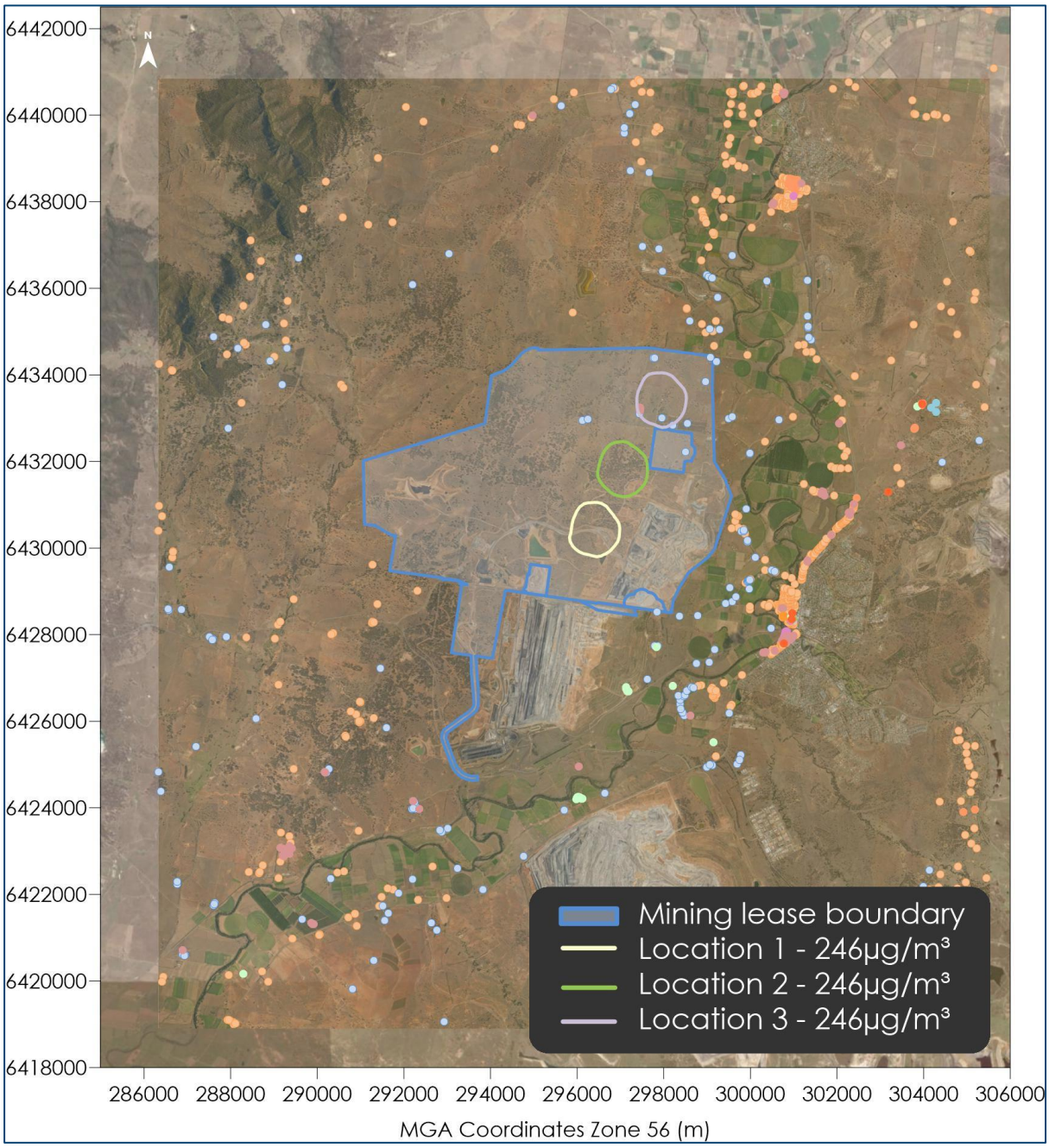
Refer to **Figure 2-1** for receiver legend

Figure H-26: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 4 – 10:00 (µg/m³)



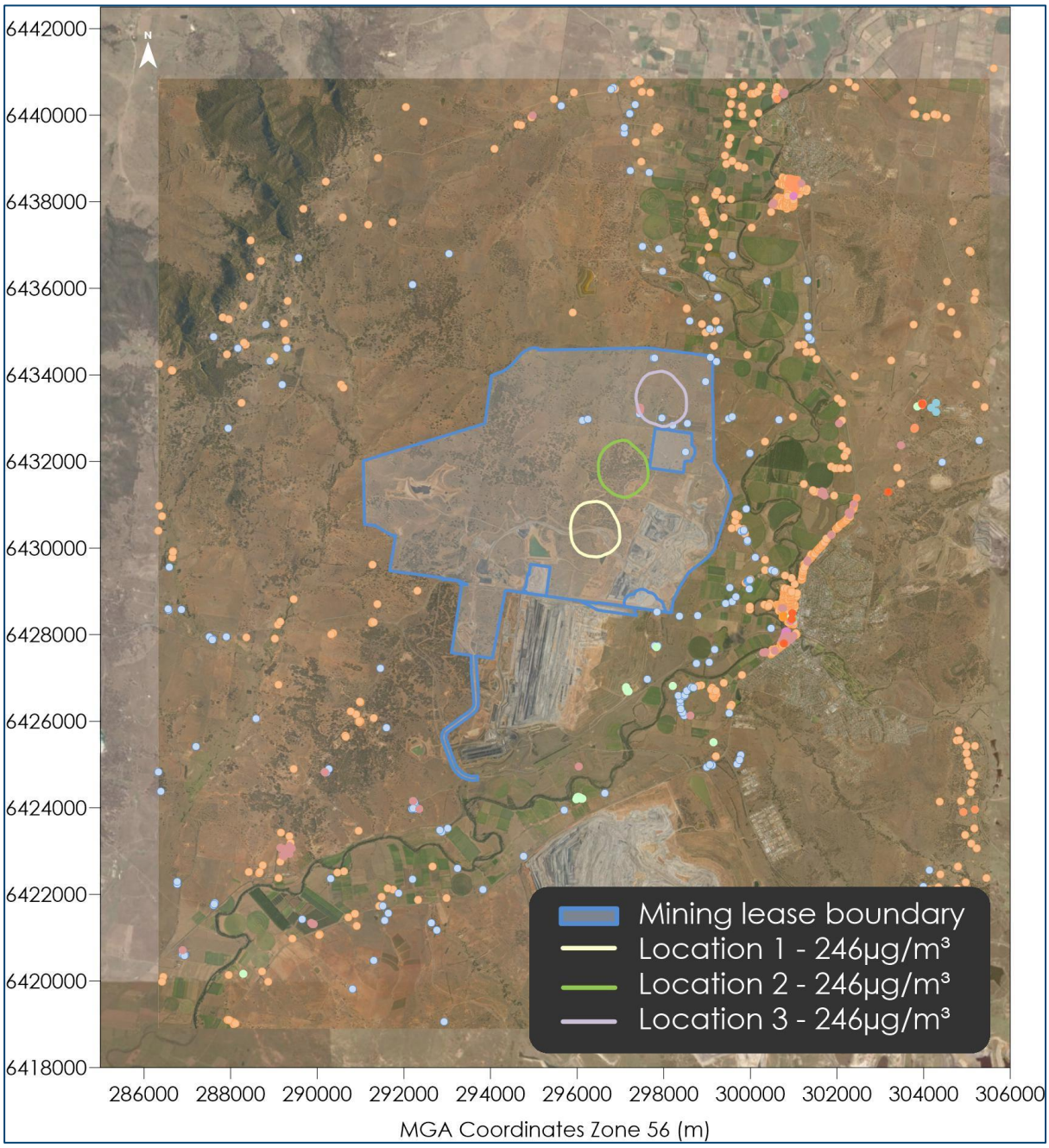
Refer to **Figure 2-1** for receiver legend

Figure H-27: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 4 – 11:00 (µg/m³)



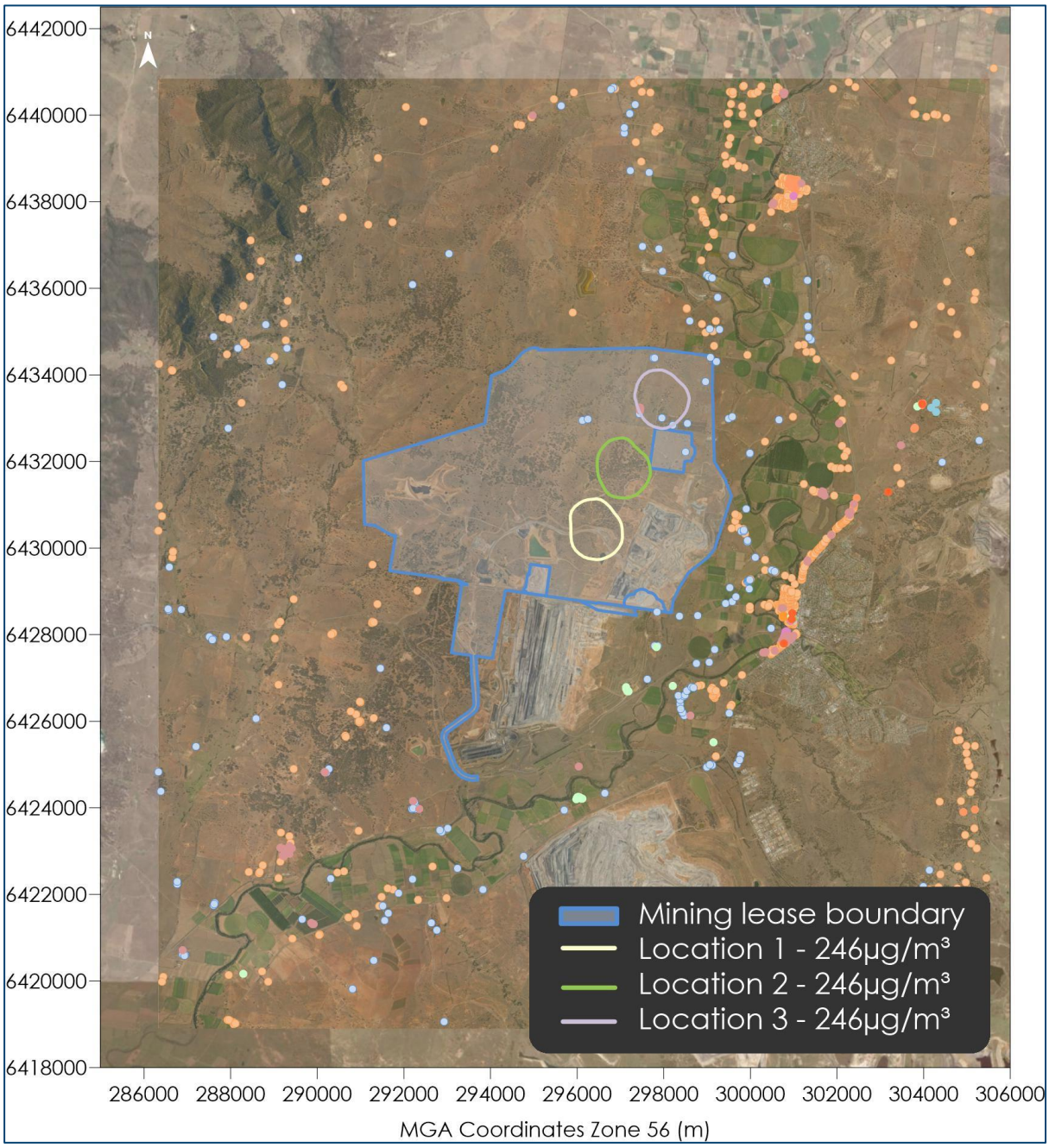
Refer to **Figure 2-1** for receiver legend

Figure H-28: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 4 – 12:00 (µg/m³)



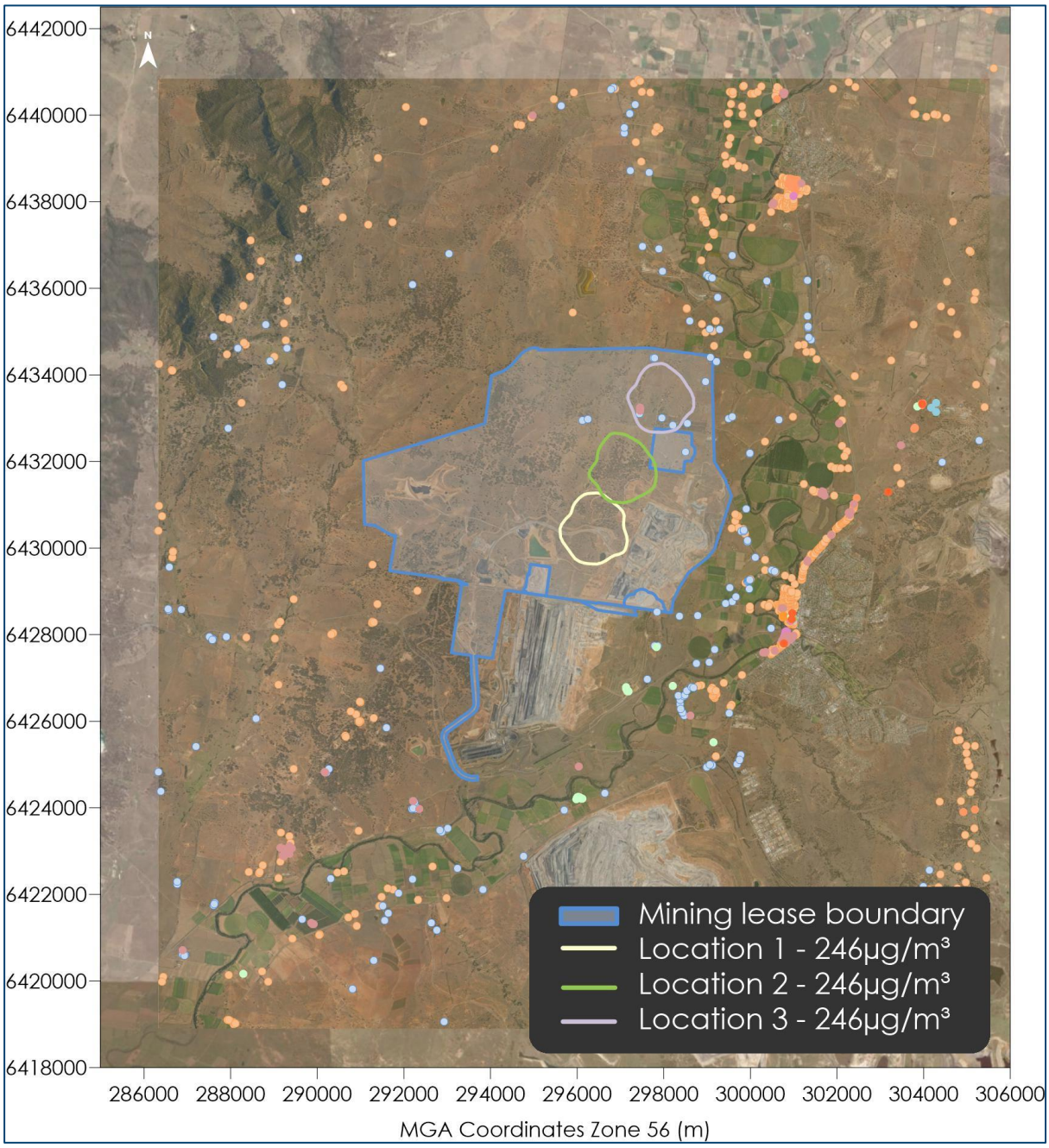
Refer to **Figure 2-1** for receiver legend

Figure H-29: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 4 – 13:00 (µg/m³)



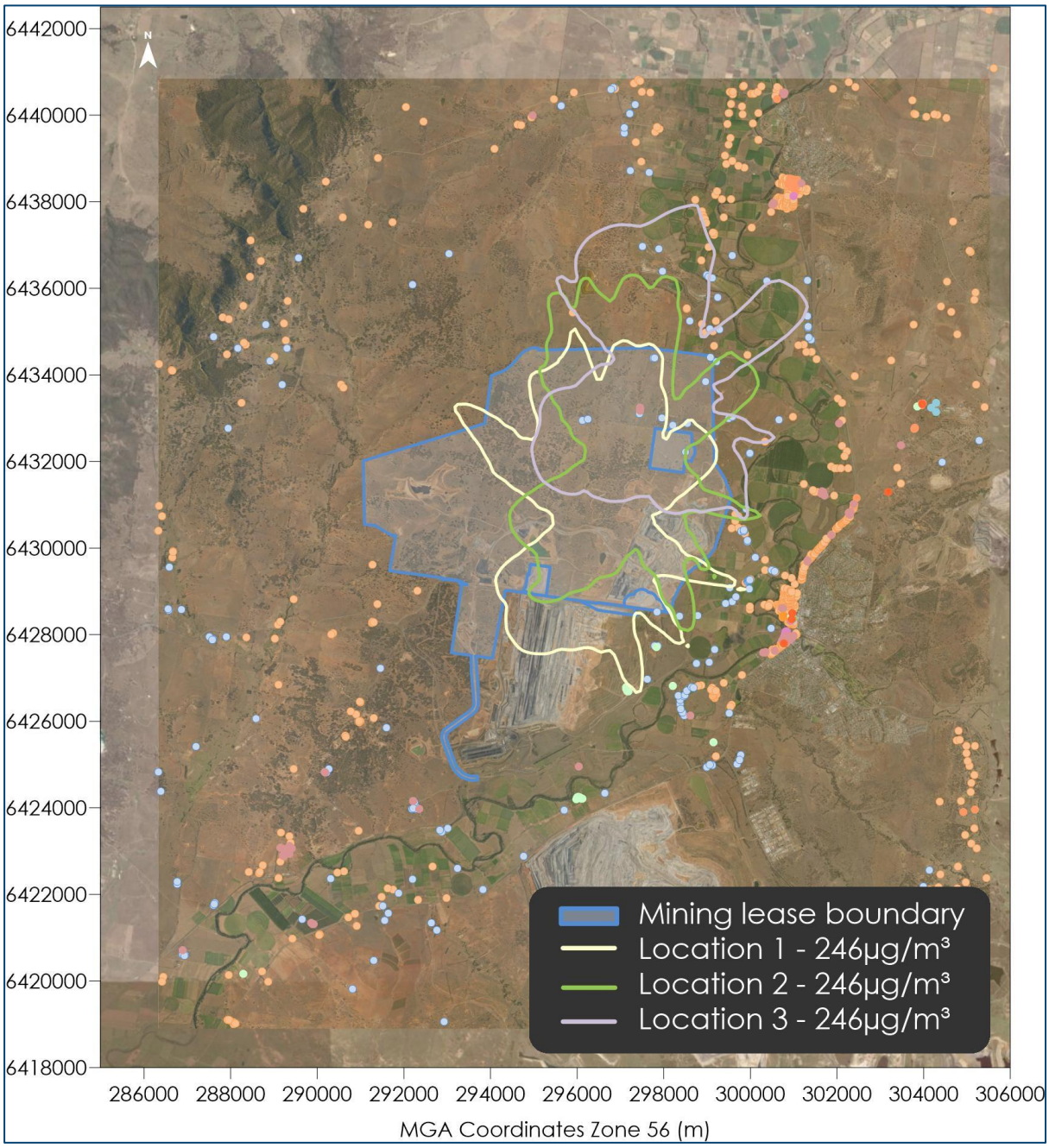
Refer to **Figure 2-1** for receiver legend

Figure H-30: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 4 – 14:00 (µg/m³)



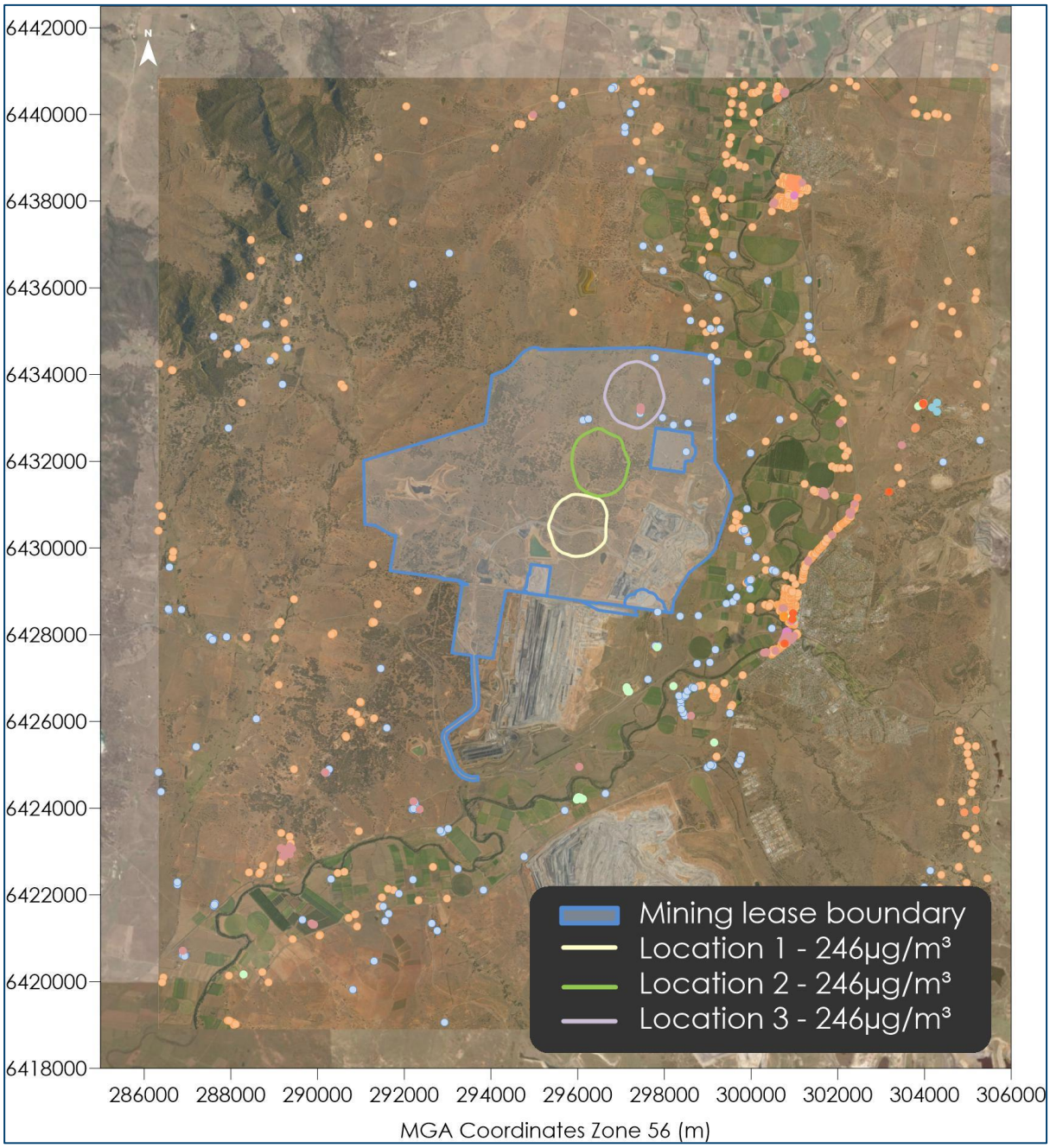
Refer to **Figure 2-1** for receiver legend

Figure H-31: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 4 – 15:00 (µg/m³)



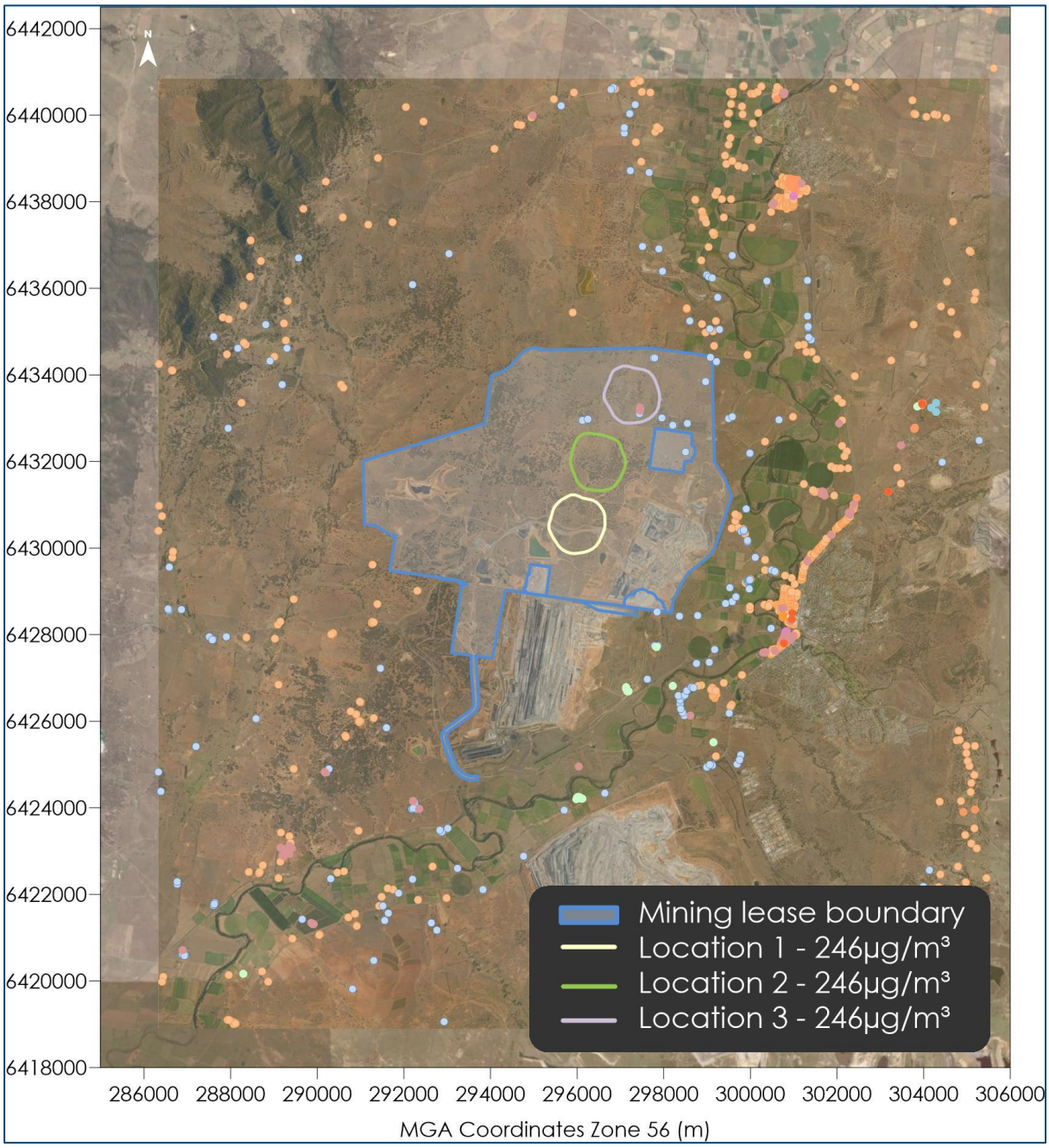
Refer to **Figure 2-1** for receiver legend

Figure H-32: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 4 – 16:00 (µg/m³)



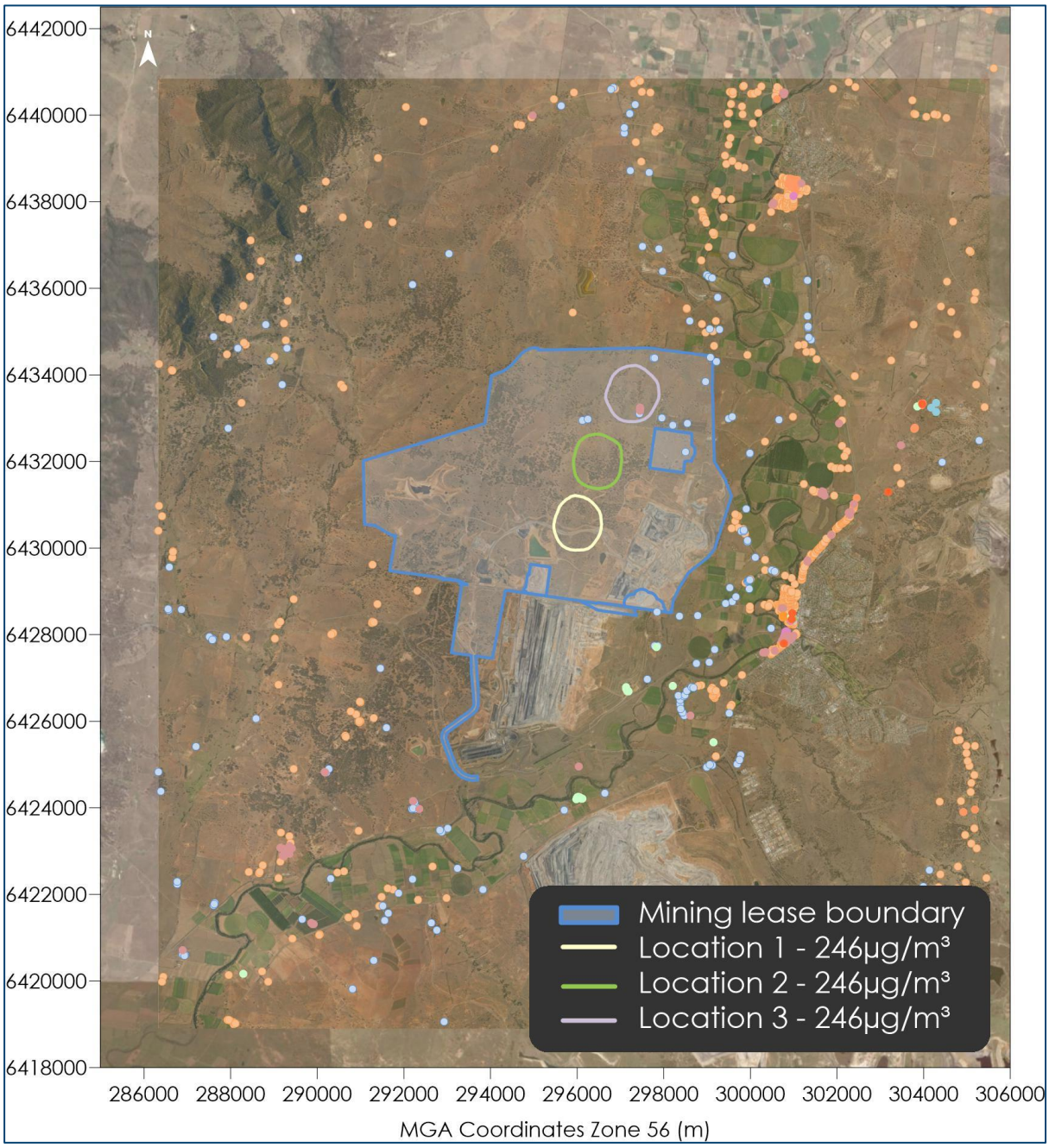
Refer to **Figure 2-1** for receiver legend

Figure H-33: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 5 – 09:00 (µg/m³)



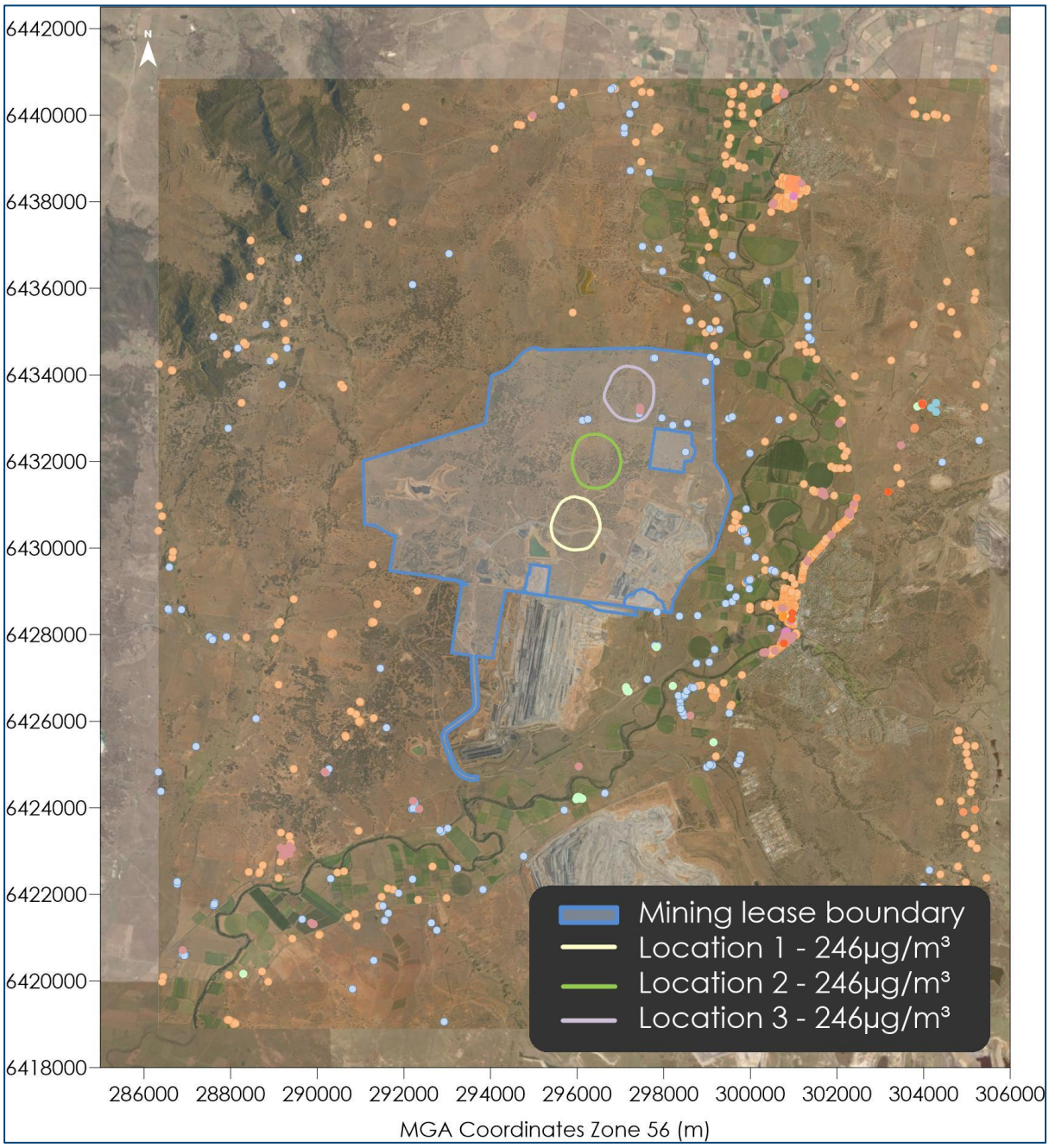
Refer to **Figure 2-1** for receiver legend

Figure H-34: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 5 – 10:00 (µg/m³)



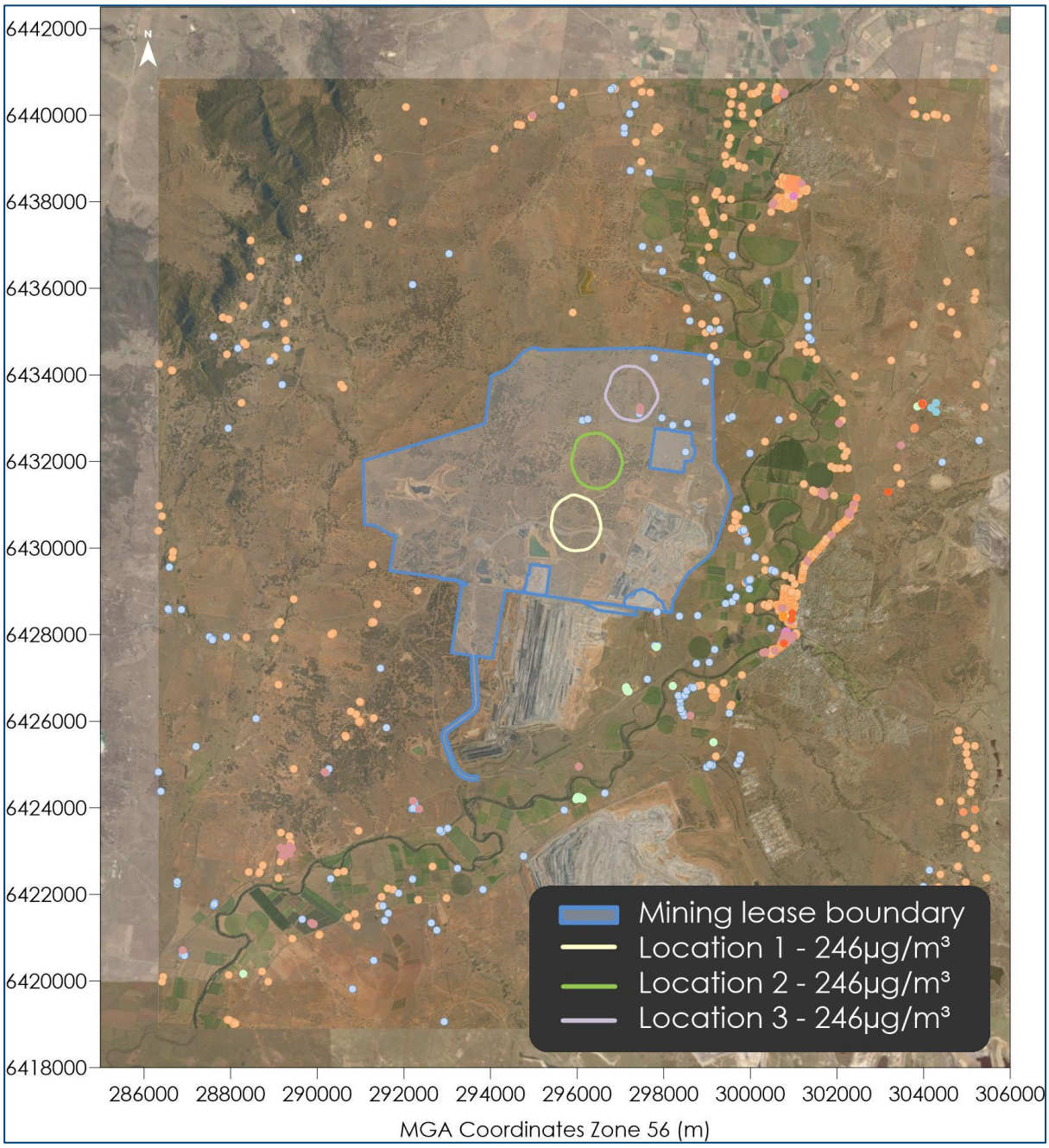
Refer to **Figure 2-1** for receiver legend

Figure H-35: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 5 – 11:00 (µg/m³)



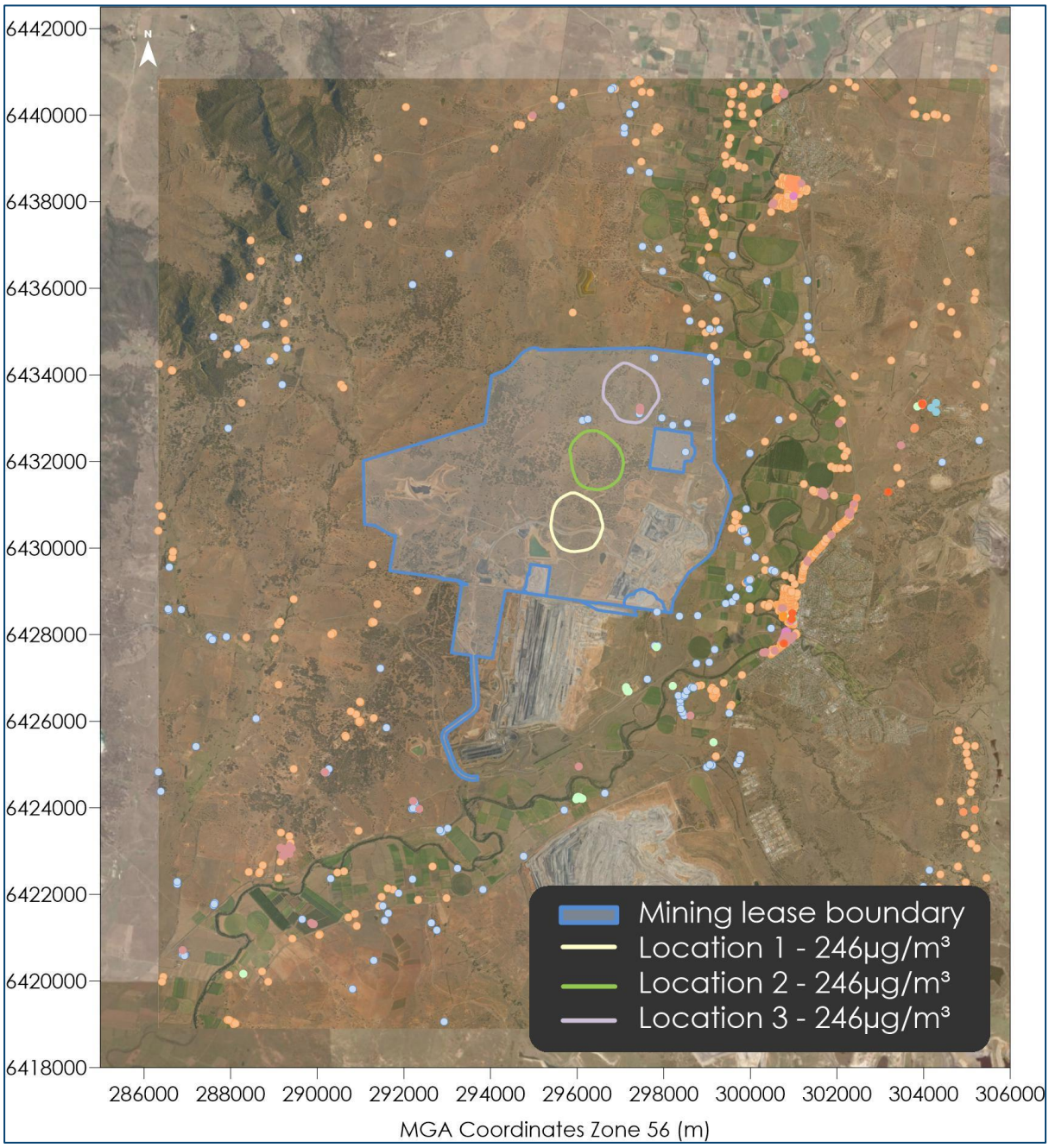
Refer to **Figure 2-1** for receiver legend

Figure H-36: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 5 – 12:00 (µg/m³)



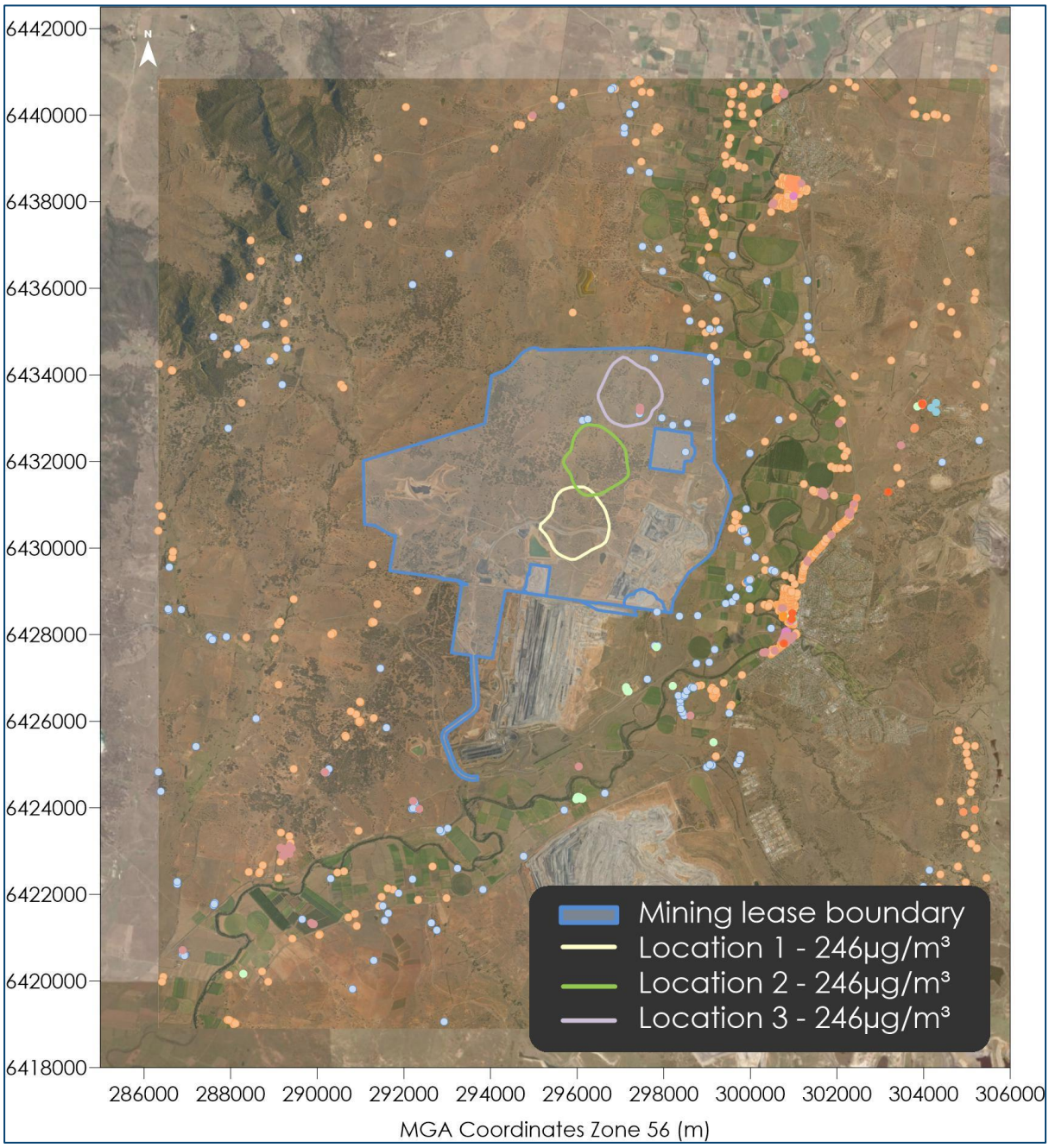
Refer to **Figure 2-1** for receiver legend

Figure H-37: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 5 – 13:00 (µg/m³)



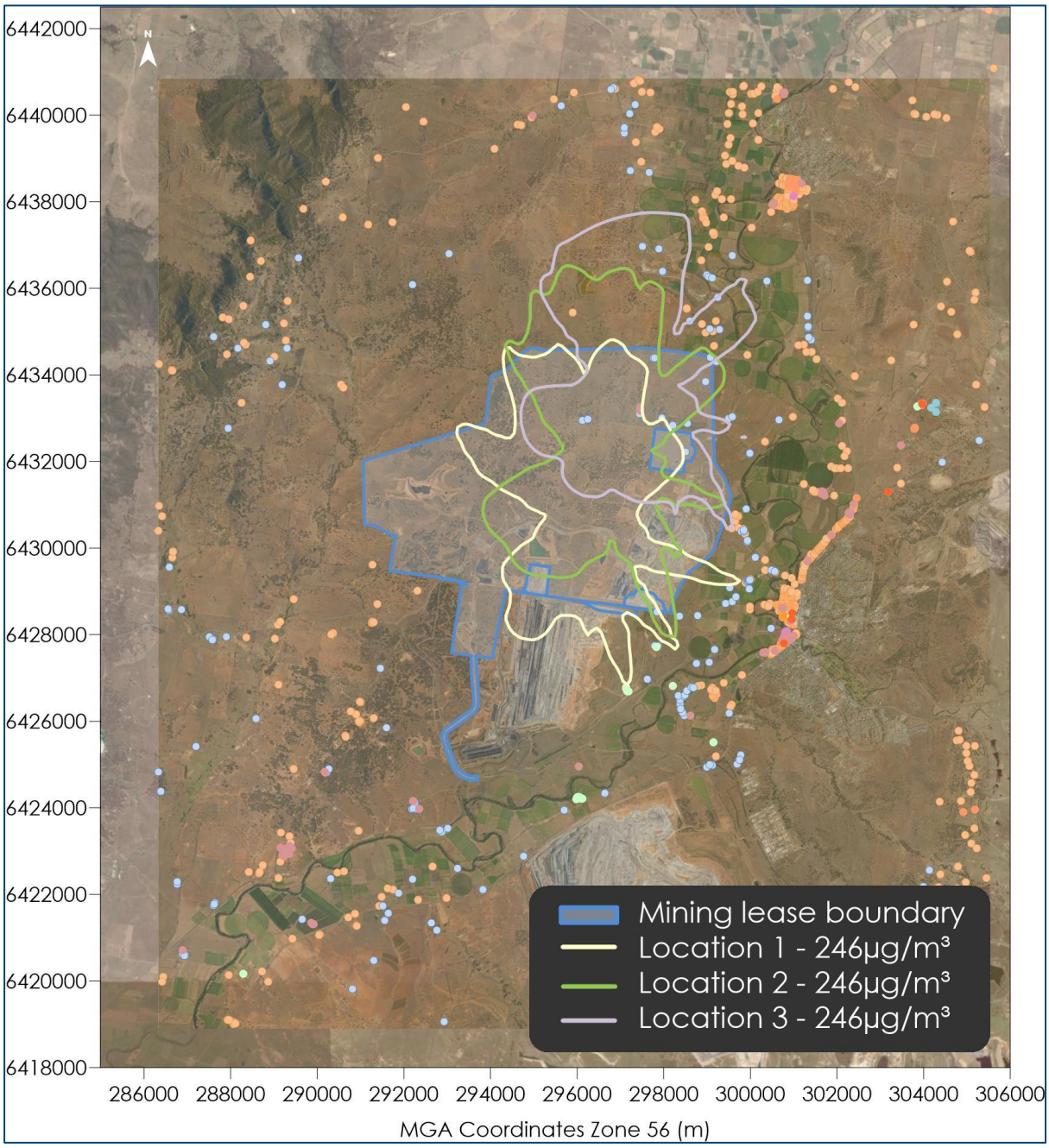
Refer to **Figure 2-1** for receiver legend

Figure H-38: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 5 – 14:00 (µg/m³)



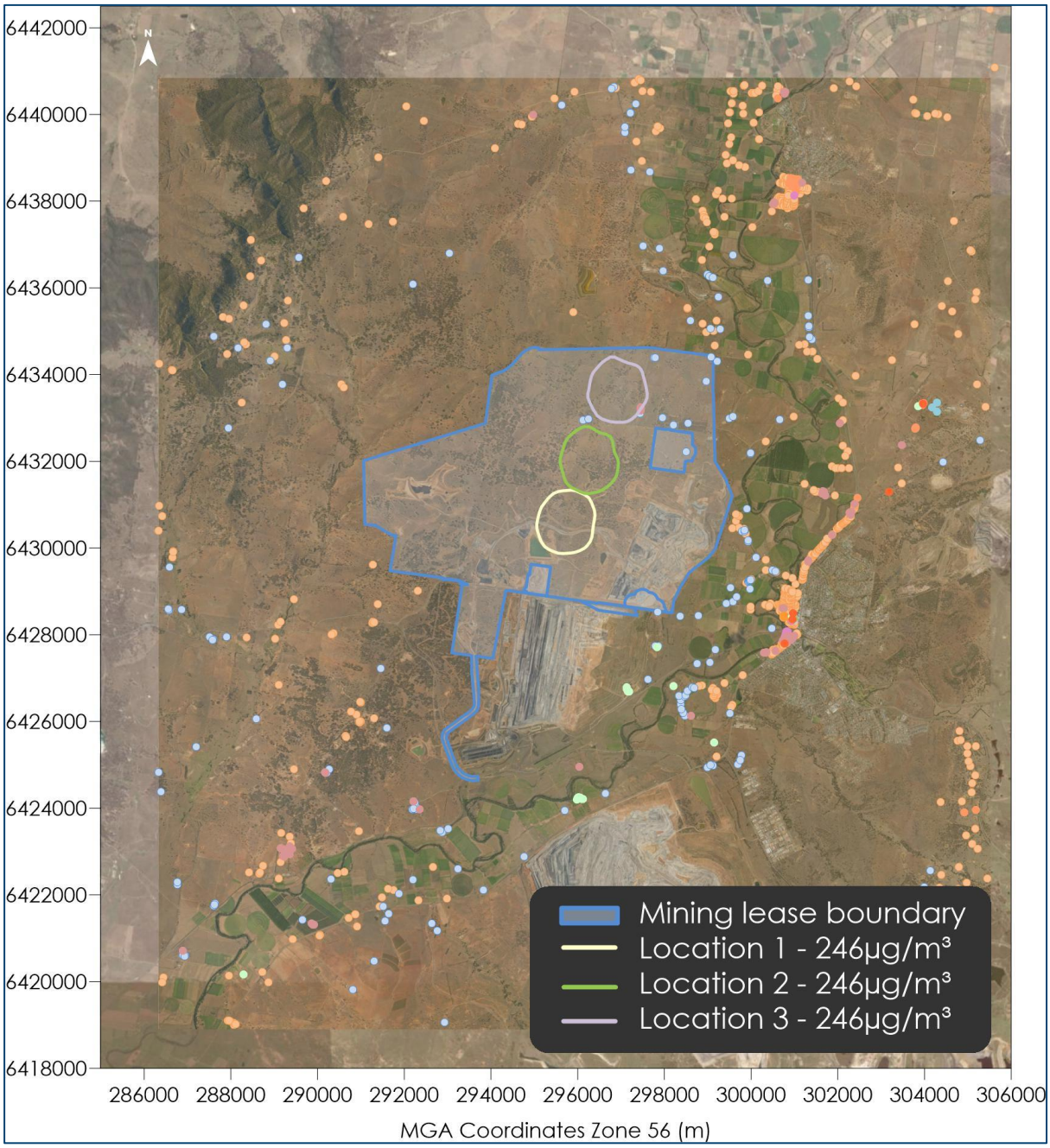
Refer to **Figure 2-1** for receiver legend

Figure H-39: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 5 – 15:00 (µg/m³)



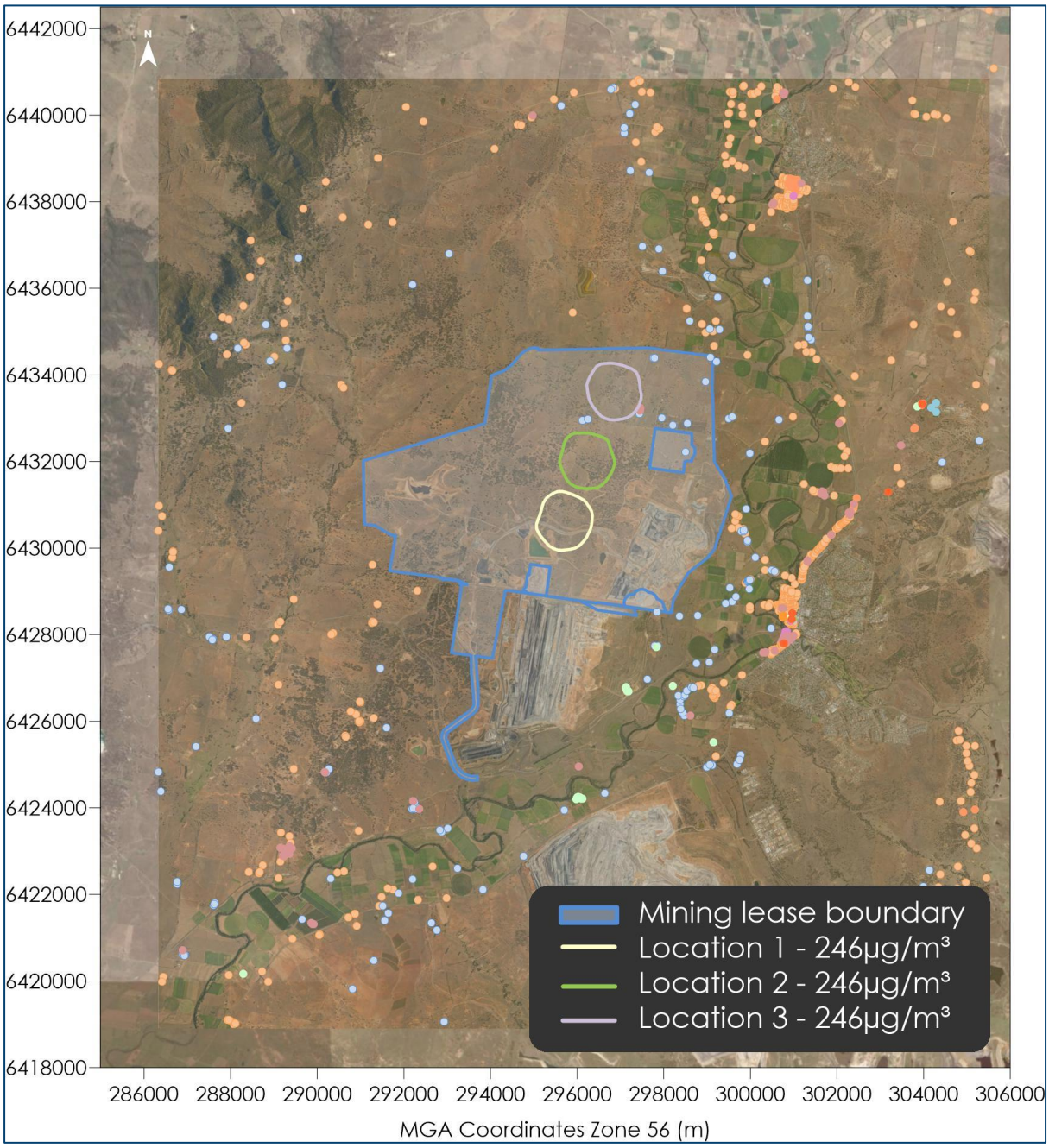
Refer to **Figure 2-1** for receiver legend

Figure H-40: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 5 – 16:00 (µg/m³)



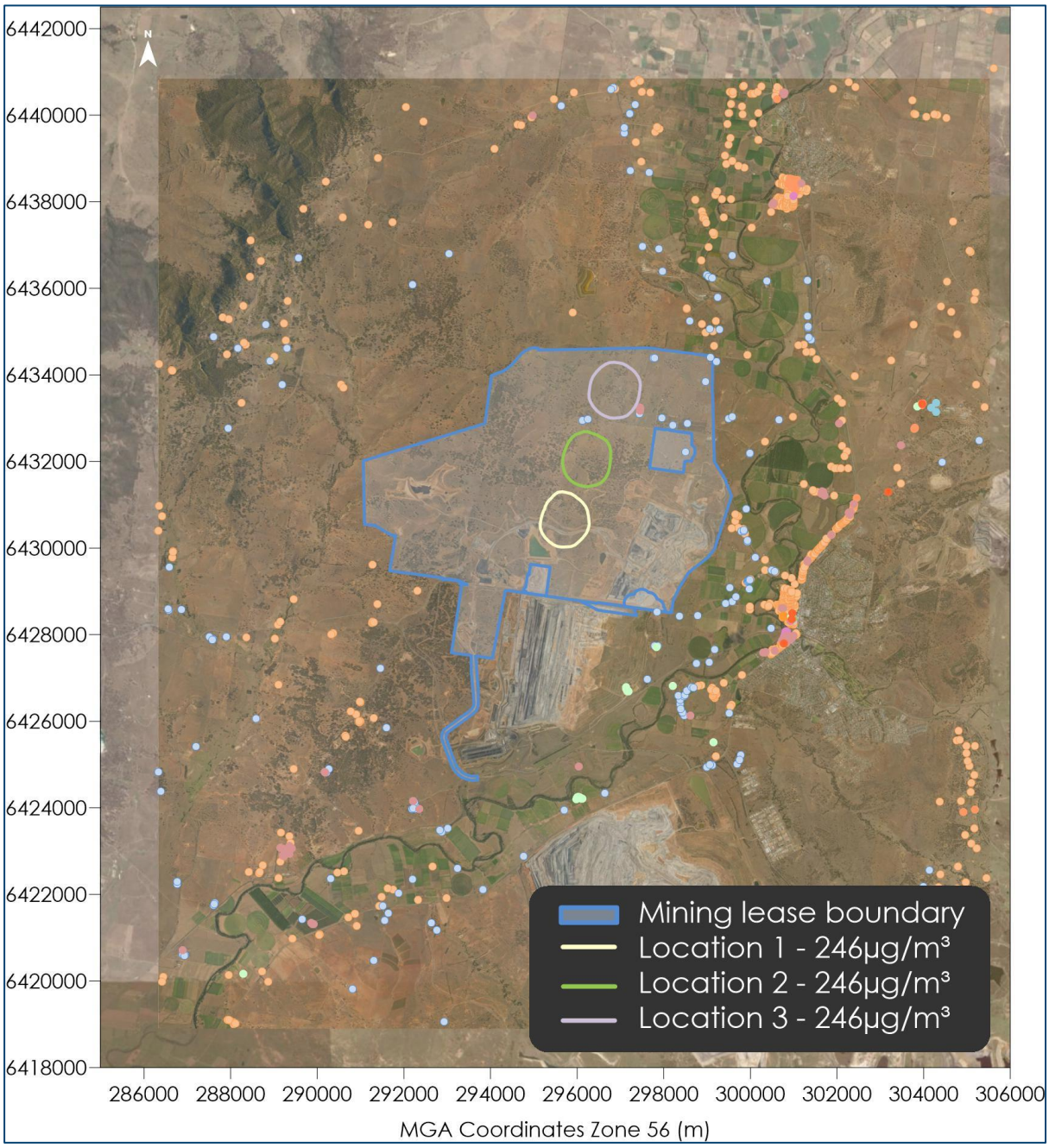
Refer to **Figure 2-1** for receiver legend

Figure H-41: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 6 – 09:00 (µg/m³)



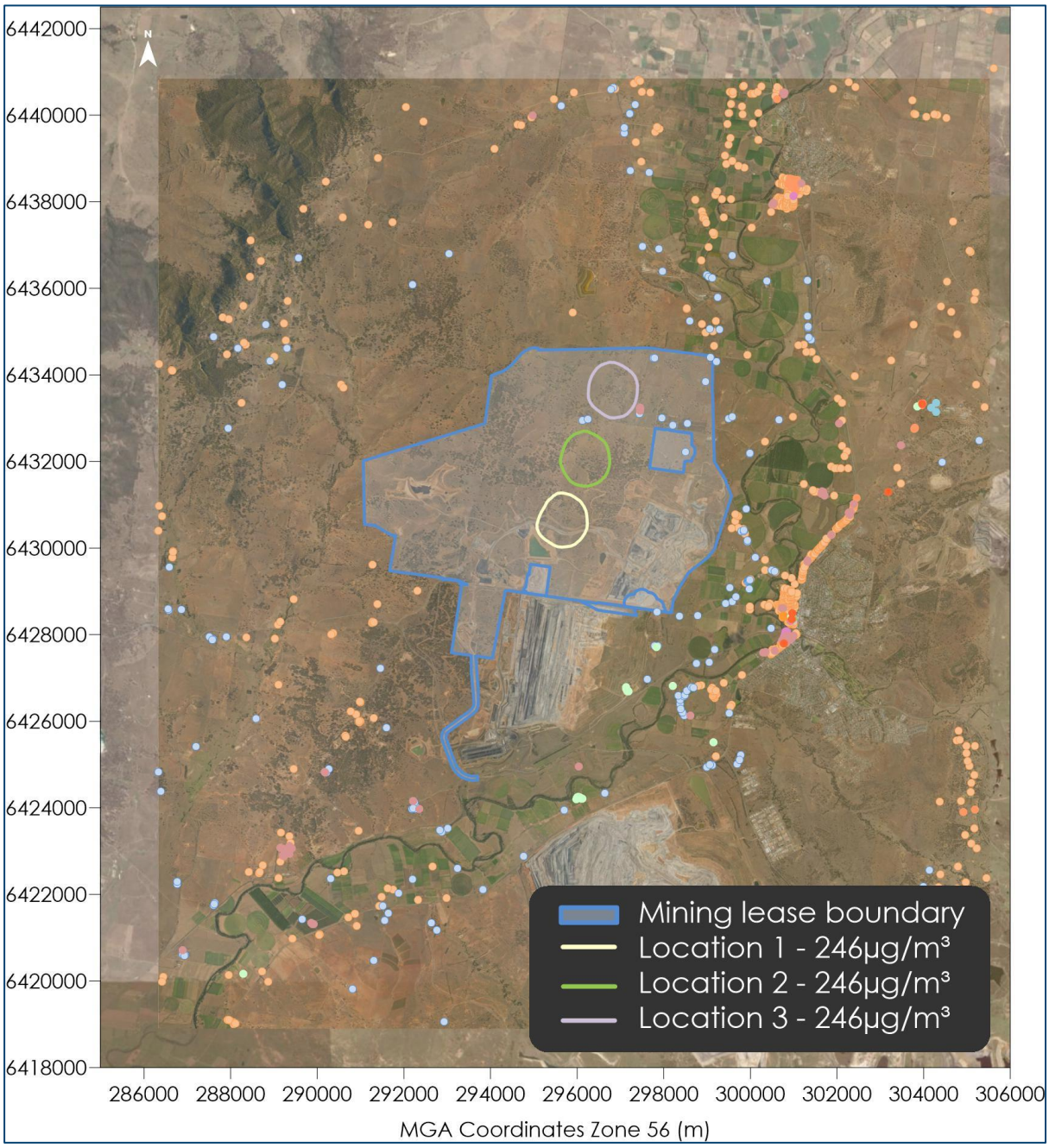
Refer to **Figure 2-1** for receiver legend

Figure H-42: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 6 – 10:00 (µg/m³)



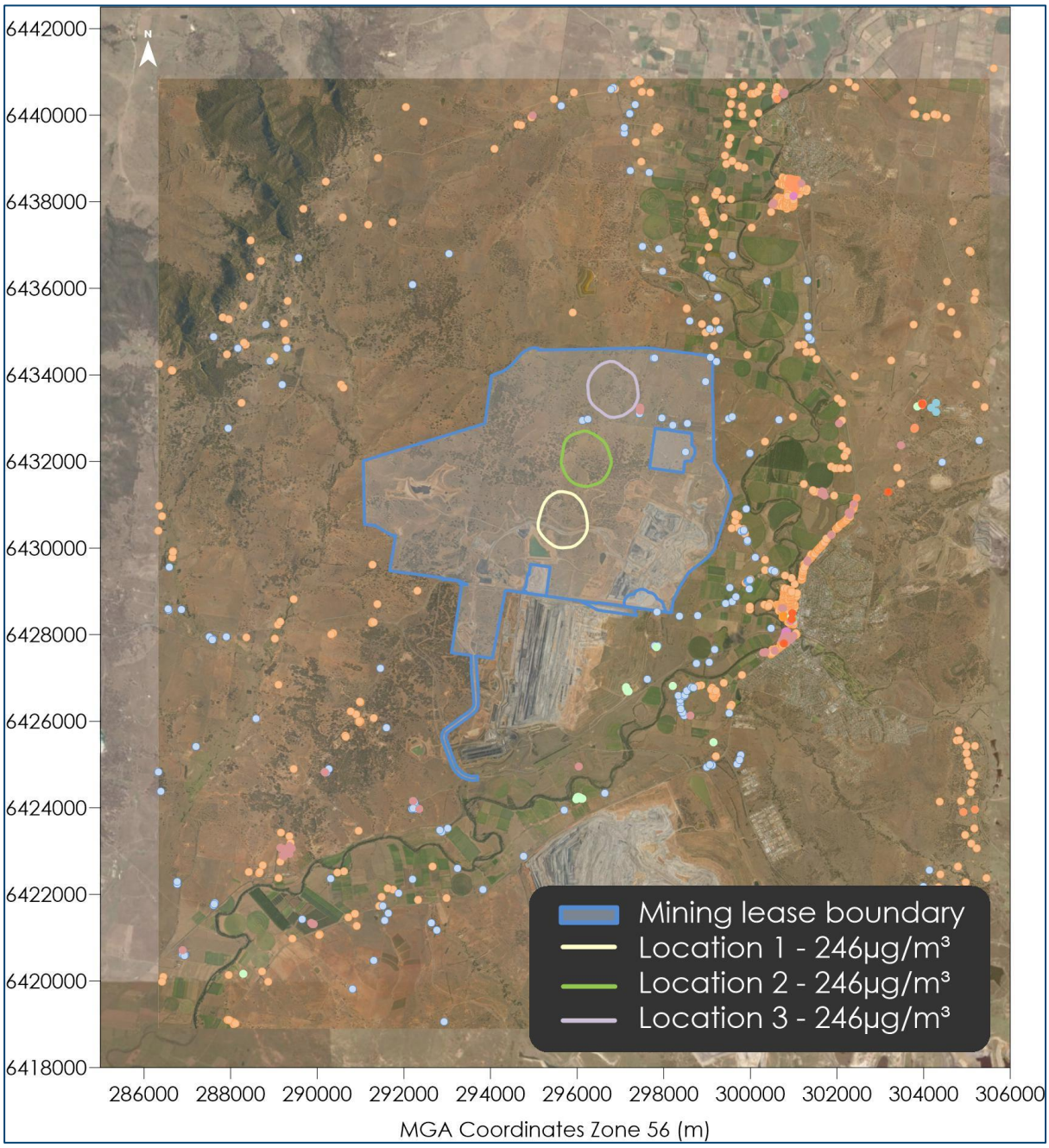
Refer to **Figure 2-1** for receiver legend

Figure H-43: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 6 – 11:00 (µg/m³)



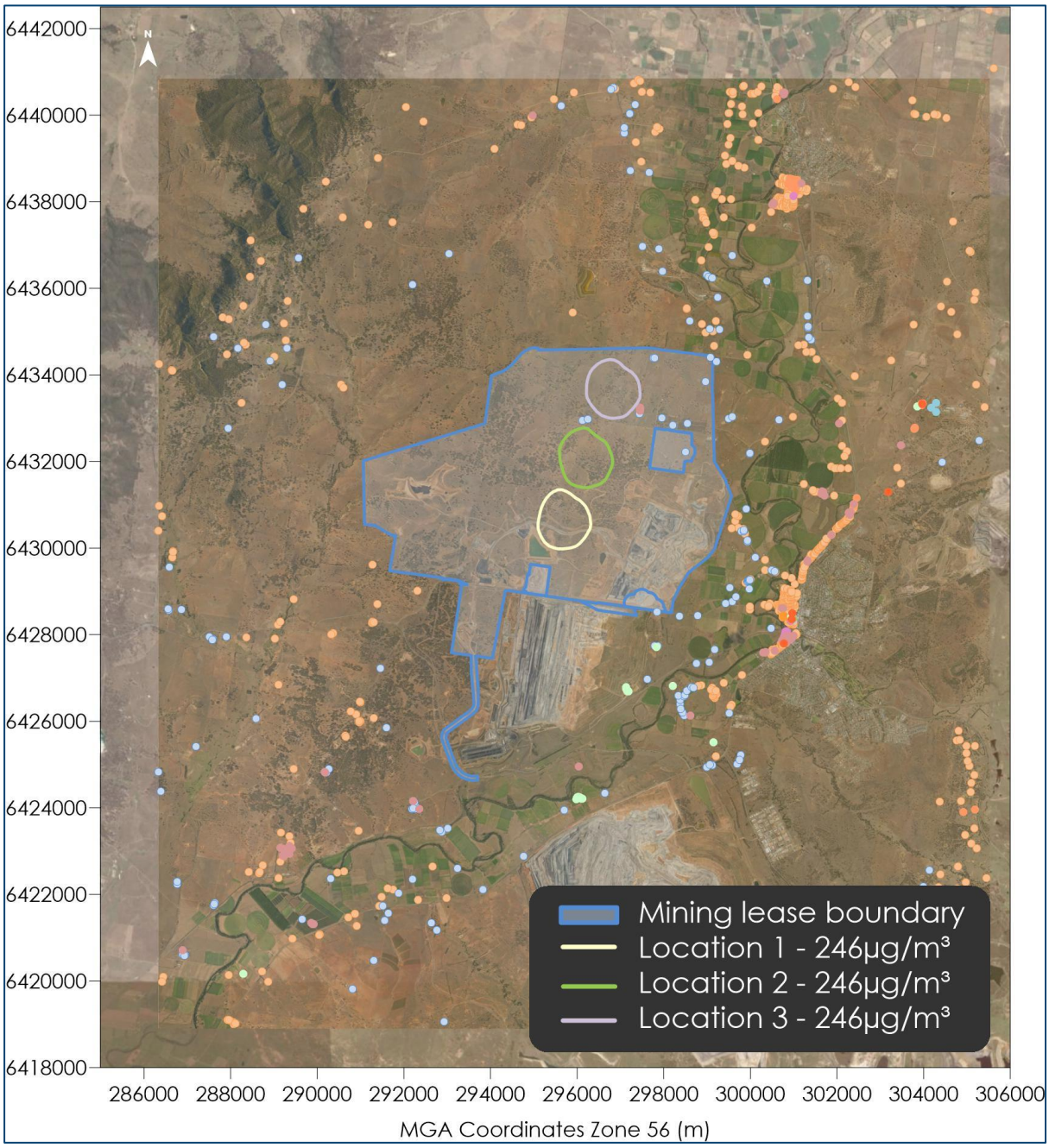
Refer to **Figure 2-1** for receiver legend

Figure H-44: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 6 – 12:00 (µg/m³)



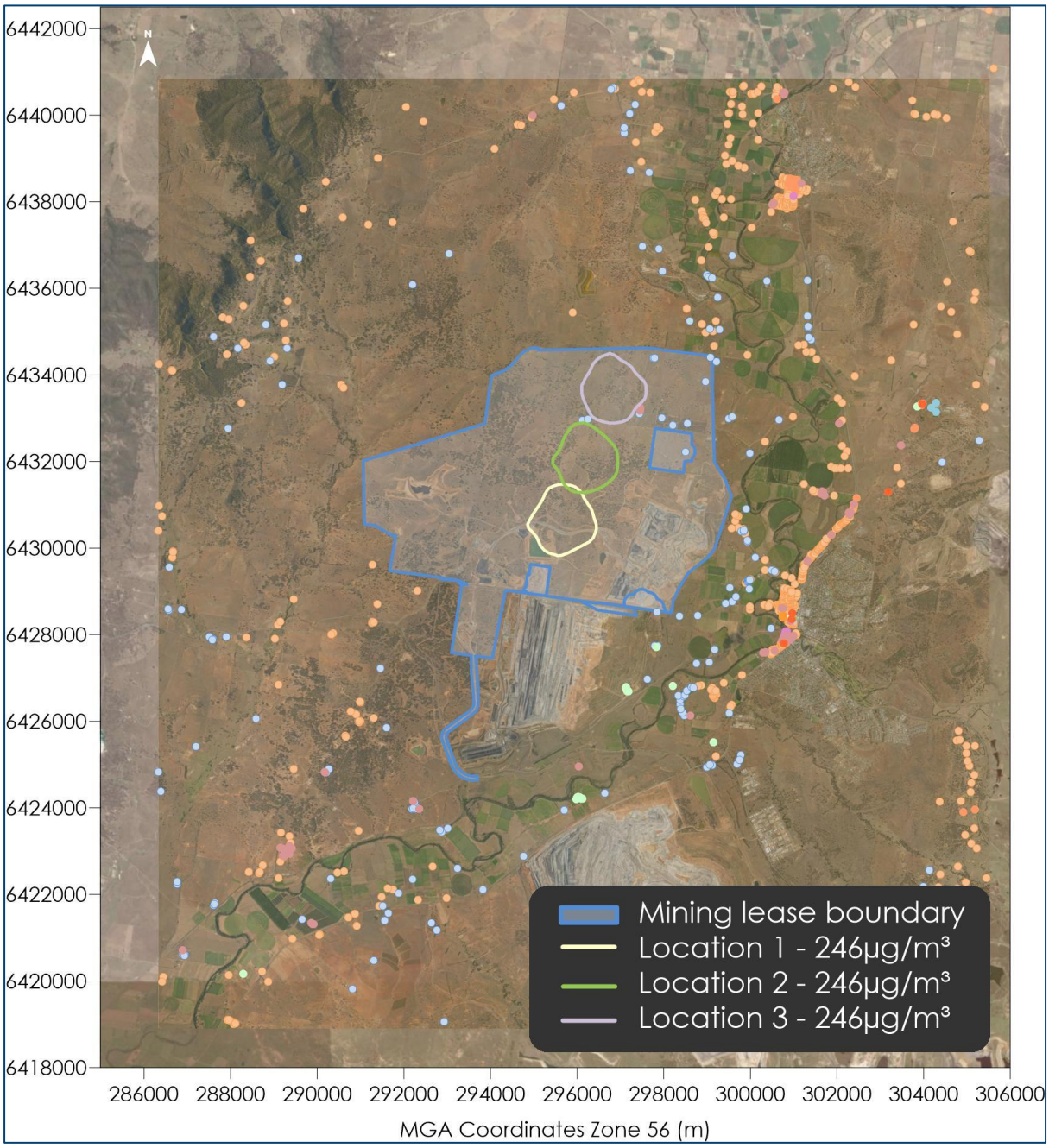
Refer to **Figure 2-1** for receiver legend

Figure H-45: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 6 – 13:00 (µg/m³)



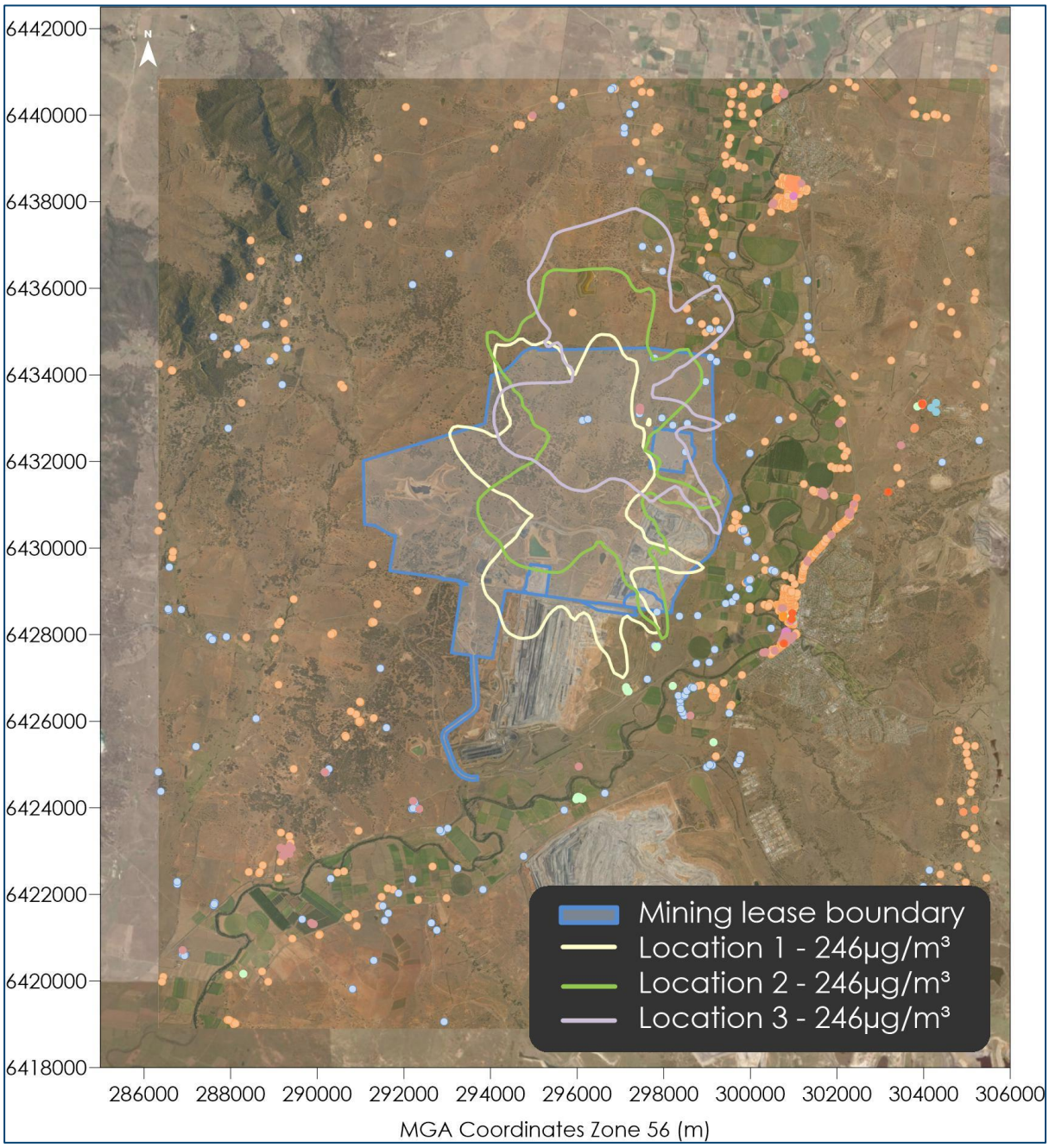
Refer to **Figure 2-1** for receiver legend

Figure H-46: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 6 – 14:00 (µg/m³)



Refer to **Figure 2-1** for receiver legend

Figure H-47: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 6 – 15:00 (µg/m³)



Refer to **Figure 2-1** for receiver legend

Figure H-48: Predicted maximum 1-hour average NO_2 concentrations due to blasting in Scenario 6 – 16:00 (µg/m³)