Appendix G
Local Air Quality Assessment

Appendix B

Scenario Model Results

Table B1 – TSP and Dust Deposition Predictions				
Receptor ID	**Incremental Annual Average TSP ($\mu g/m^3$)**	**Cumulative Annual Average TSP ($\mu g/m^3$)**	**Incremental Annual Average Dust Deposition (g/m^2/month)**	**Cumulative Annual Average Dust Deposition (g/m^2/month)**
	Phase A – Scenario 1	**Phase A – Scenario 1**	**Phase A – Scenario 1**	**Phase A – Scenario 1**
1	0.5	43.1	<0.1	0.8
2	0.8	43.4	0.1	0.9
3	1.0	43.6	0.1	0.9
4	0.9	43.5	0.1	0.9
5	0.4	43.0	<0.1	0.8
6	0.7	43.3	0.1	0.9
7	0.4	43.0	<0.1	0.8
8	0.2	42.8	<0.1	0.8
9	0.2	42.8	<0.1	0.8
10	0.3	42.9	<0.1	0.8
11	0.4	43.0	<0.1	0.8
12	0.4	43.0	<0.1	0.8
13	0.3	42.9	<0.1	0.8
14	0.4	43.0	<0.1	0.8
15	0.3	42.9	<0.1	0.8
16	0.1	42.7	<0.1	0.8
17	0.4	43.0	<0.1	0.8
18	0.2	42.8	<0.1	0.8
19	0.1	42.7	<0.1	0.8
20	0.1	42.7	<0.1	0.8
21	0.1	42.7	<0.1	0.8
22	0.3	42.9	<0.1	0.8
23	0.2	42.8	<0.1	0.8
24	0.2	42.8	<0.1	0.8
25	0.6	43.2	0.1	0.9
26	0.2	42.8	<0.1	0.8
27	0.4	43.0	<0.1	0.8

Table B1 – TSP and Dust Deposition Predictions				
Receptor ID	**Incremental Annual Average TSP ($\mu g/m^3$)**	**Cumulative Annual Average TSP ($\mu g/m^3$)**	**Incremental Annual Average Dust Deposition (g/m^2/month)**	**Cumulative Annual Average Dust Deposition (g/m^2/month)**
	Phase A – Scenario 1	**Phase A – Scenario 1**	**Phase A – Scenario 1**	**Phase A – Scenario 1**
28	0.2	42.8	<0.1	0.8
29	0.1	42.7	<0.1	0.8
30	0.1	42.7	<0.1	0.8
31	0.1	42.7	<0.1	0.8
32	0.1	42.7	<0.1	0.8
33	1.1	43.7	0.1	0.9
34	0.3	42.9	<0.1	0.8
35	0.4	43.0	<0.1	0.8
36	0.1	42.7	<0.1	0.8
37	0.2	42.8	<0.1	0.8
38	1.1	43.7	0.1	0.9
Boundary Maximum	8.3	50.9	0.7	1.5

Table B2 – 24-hour Average PM_{10} Predictions						
Receptor ID	Maximum Incremental 24-hour Average PM_{10} Concentration (µg/m^3)		Maximum Cumulative 24-hour Average PM_{10} Concentration (µg/m^3)		Number of Additional Exceedance Days Cumulative PM_{10} >50µg/m^3	
	Phase A – Scenario 1	Full Build– Scenario 3	Phase A – Scenario 1	Full Build– Scenario 3	Phase A – Scenario 1	Full Build– Scenario 3
1	0.8	0.3	**98.6**	**98.7**	0	0
2	1.0	0.4	**98.7**	**98.8**	0	0
3	1.2	0.5	**98.7**	**98.9**	0	0
4	1.3	0.5	**98.7**	**98.9**	0	0
5	0.7	0.3	**98.6**	**98.7**	0	0
6	1.3	0.4	**98.7**	**98.7**	0	0
7	0.6	0.2	**98.6**	**98.7**	0	0
8	0.3	0.1	**98.6**	**98.6**	0	0
9	0.4	0.2	**98.6**	**98.6**	0	0
10	0.4	0.2	**98.6**	**98.6**	0	0
11	0.8	0.2	**98.6**	**98.7**	0	0
12	0.5	0.2	**98.6**	**98.7**	0	0
13	0.5	0.2	**98.6**	**98.7**	0	0
14	0.4	0.3	**98.6**	**98.7**	0	0
15	0.4	0.2	**98.6**	**98.6**	0	0
16	0.3	0.1	**98.6**	**98.6**	0	0
17	0.8	0.2	**98.6**	**98.7**	0	0
18	0.3	0.2	**98.6**	**98.6**	0	0
19	0.5	0.2	**98.6**	**98.6**	0	0
20	0.3	0.1	**98.6**	**98.6**	0	0
21	0.3	0.1	**98.6**	**98.6**	0	0
22	0.5	0.2	**98.6**	**98.6**	0	0
23	0.3	0.1	**98.6**	**98.6**	0	0
24	0.7	0.2	**98.6**	**98.6**	0	0
25	0.9	0.3	**98.6**	**98.7**	0	0
26	0.4	0.2	**98.6**	**98.6**	0	0
27	0.9	0.3	**98.6**	**98.7**	0	0

Table B2 – 24-hour Average PM_{10} Predictions						
Receptor ID	**Maximum Incremental 24-hour Average PM_{10} Concentration ($\mu g/m^3$)**		**Maximum Cumulative 24-hour Average PM_{10} Concentration ($\mu g/m^3$)**		**Number of Additional Exceedance Days Cumulative PM_{10} >50$\mu g/m^3$**	
	Phase A – Scenario 1	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**
28	0.3	0.1	**98.6**	**98.6**	0	0
29	0.3	0.1	**98.6**	**98.6**	0	0
30	0.3	0.1	**98.6**	**98.6**	0	0
31	0.2	0.1	**98.6**	**98.6**	0	0
32	0.2	0.1	**98.6**	**98.6**	0	0
33	1.0	1.8	**98.7**	**99.6**	0	0
34	0.4	0.1	**98.6**	**98.6**	0	0
35	0.5	0.2	**98.6**	**98.7**	0	0
36	0.5	0.2	**98.6**	**98.6**	0	0
37	0.2	0.1	**98.6**	**98.6**	0	0
38	1.3	0.6	**98.7**	**98.9**	0	0
Boundary Maximum	6.5	2.8	**99.9**	**100.2**	**1**	0

Note: Grey shaded cell indicates exceedance of applicable criterion
Note: Maximum ambient 24-hour average PM_{10} background concentration in exceedance of criterion due to bushfire event

Table B3 – Annual Average PM_{10} Predictions – Northern Site Configuration				
Receptor ID	**Incremental Annual Average PM_{10} Concentration (µg/m^3)**		**Cumulative Annual Average PM_{10} Concentration (µg/m^3)**	
	Phase A – Scenario 1	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**
1	0.1	0.1	20.5	20.5
2	0.2	0.2	20.6	20.6
3	0.3	0.3	20.7	20.7
4	0.2	0.2	20.6	20.6
5	0.1	0.1	20.5	20.5
6	0.2	0.1	20.6	20.5
7	0.1	0.1	20.5	20.5
8	<0.1	<0.1	20.4	20.4
9	0.1	0.1	20.5	20.5
10	0.1	0.1	20.5	20.5
11	0.1	0.1	20.5	20.5
12	0.1	0.1	20.5	20.5
13	0.1	0.1	20.5	20.5
14	0.1	0.1	20.5	20.5
15	0.1	0.1	20.5	20.5
16	<0.1	<0.1	20.4	20.4
17	0.1	0.1	20.5	20.5
18	0.1	0.1	20.5	20.5
19	<0.1	<0.1	20.4	20.4
20	<0.1	<0.1	20.4	20.4
21	<0.1	<0.1	20.4	20.4
22	0.1	0.1	20.5	20.5
23	0.1	0.1	20.5	20.5
24	0.1	<0.1	20.5	20.4
25	0.2	0.1	20.6	20.5
26	<0.1	<0.1	20.4	20.4
27	0.1	0.1	20.5	20.5
28	<0.1	<0.1	20.4	20.4

Table B3 – Annual Average PM_{10} Predictions – Northern Site Configuration				
Receptor ID	**Incremental Annual Average PM_{10} Concentration (µg/m^3)**		**Cumulative Annual Average PM_{10} Concentration (µg/m^3)**	
	Phase A – Scenario 1	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**
29	<0.1	<0.1	20.4	20.4
30	<0.1	<0.1	20.4	20.4
31	<0.1	<0.1	20.4	20.4
32	<0.1	<0.1	20.4	20.4
33	0.3	0.9	20.7	21.3
34	0.1	0.1	20.5	20.5
35	0.1	0.1	20.5	20.5
36	<0.1	<0.1	20.4	20.4
37	0.1	0.1	20.5	20.5
38	0.3	0.3	20.7	20.7
Boundary Maximum	2.1	1.5	22.5	21.9

Table B4 – 24-hour Average $PM_{2.5}$ Predictions						
Receptor ID	**Maximum Incremental 24-hour Average $PM_{2.5}$ Concentration (µg/m^3)**		**Maximum Cumulative 24-hour Average $PM_{2.5}$ Concentration (µg/m^3)**		**Number of Additional Exceedance Days Cumulative $PM_{2.5}$ >25µg/m^3**	
	Phase A – Scenario 1	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**
1	0.1	0.3	**73.9**	**74.0**	0	0
2	0.1	0.4	**73.9**	**74.1**	0	0
3	0.2	0.5	**73.9**	**74.2**	0	0
4	0.2	0.5	**73.9**	**74.2**	0	0
5	0.1	0.3	**73.9**	**74.0**	0	0
6	0.2	0.3	**73.9**	**74.0**	0	0
7	0.1	0.2	**73.9**	**74.0**	0	0
8	<0.1	0.1	**73.8**	**73.9**	0	0
9	0.1	0.2	**73.8**	**73.9**	0	0
10	0.1	0.2	**73.8**	**73.9**	0	0
11	0.1	0.2	**73.9**	**74.0**	0	0
12	0.1	0.2	**73.9**	**74.0**	0	0
13	0.1	0.2	**73.8**	**74.0**	0	0
14	0.1	0.3	**73.9**	**74.0**	0	0
15	0.1	0.2	**73.8**	**73.9**	0	0
16	<0.1	0.1	**73.8**	**73.9**	0	0
17	0.1	0.2	**73.9**	**74.0**	0	0
18	0.1	0.2	**73.8**	**73.9**	0	0
19	0.1	0.2	**73.8**	**73.9**	0	0
20	<0.1	0.1	**73.8**	**73.9**	0	0
21	<0.1	0.1	**73.8**	**73.9**	0	0
22	0.1	0.2	**73.9**	**73.9**	0	0
23	<0.1	0.1	**73.9**	**73.9**	0	0
24	0.1	0.2	**73.8**	**73.9**	0	0
25	0.1	0.3	**73.9**	**74.0**	0	0
26	0.1	0.2	**73.8**	**73.9**	0	0
27	0.1	0.3	**73.9**	**74.0**	0	0

Table B4 – 24-hour Average $PM_{2.5}$ Predictions						
Receptor ID	**Maximum Incremental 24-hour Average $PM_{2.5}$ Concentration ($\mu g/m^3$)**		**Maximum Cumulative 24-hour Average $PM_{2.5}$ Concentration ($\mu g/m^3$)**		**Number of Additional Exceedance Days Cumulative $PM_{2.5}$ >25$\mu g/m^3$**	
	Phase A – Scenario 1	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**
28	<0.1	0.1	**73.8**	**73.9**	0	0
29	<0.1	0.1	**73.8**	**73.9**	0	0
30	<0.1	0.1	**73.8**	**73.9**	0	0
31	<0.1	0.1	**73.8**	**73.9**	0	0
32	<0.1	0.1	**73.8**	**73.9**	0	0
33	0.1	1.7	**73.9**	**74.9**	0	0
34	0.1	0.1	**73.8**	**73.9**	0	0
35	0.1	0.2	**73.8**	**74.0**	0	0
36	0.1	0.2	**73.8**	**73.9**	0	0
37	<0.1	0.1	**73.8**	**73.9**	0	0
38	0.2	0.6	**73.9**	**74.2**	0	0
Boundary Maximum	0.9	2.8	**74.0**	**75.5**	0	**1**

Note: Grey shaded cell indicates exceedance of applicable criterion.
Note: Maximum ambient 24-hour average $PM_{2.5}$ background concentration in exceedance of criterion due to bushfire event

Table B5 – Annual Average $PM_{2.5}$ Predictions				
Receptor ID	Incremental Annual Average $PM_{2.5}$ Concentration (µg/m^3)		Cumulative Annual Average $PM_{2.5}$ Concentration (µg/m^3)	
	Phase A – Scenario 1	Full Build– Scenario 3	Phase A – Scenario 1	Full Build– Scenario 3
1	<0.1	0.1	7.6	7.7
2	<0.1	0.2	7.6	7.8
3	<0.1	0.3	7.6	7.9
4	<0.1	0.2	7.6	7.8
5	<0.1	0.1	7.6	7.7
6	<0.1	0.1	7.6	7.7
7	<0.1	0.1	7.6	7.7
8	<0.1	<0.1	7.6	7.6
9	<0.1	0.1	7.6	7.7
10	<0.1	0.1	7.6	7.7
11	<0.1	0.1	7.6	7.7
12	<0.1	0.1	7.6	7.7
13	<0.1	0.1	7.6	7.7
14	<0.1	0.1	7.6	7.7
15	<0.1	0.1	7.6	7.7
16	<0.1	<0.1	7.6	7.6
17	<0.1	0.1	7.6	7.7
18	<0.1	0.1	7.6	7.7
19	<0.1	<0.1	7.6	7.6
20	<0.1	<0.1	7.6	7.6
21	<0.1	<0.1	7.6	7.6
22	<0.1	0.1	7.6	7.7
23	<0.1	0.1	7.6	7.7
24	<0.1	<0.1	7.6	7.6
25	<0.1	0.1	7.6	7.7
26	<0.1	<0.1	7.6	7.6
27	<0.1	0.1	7.6	7.7
28	<0.1	<0.1	7.6	7.6

Table B5 – Annual Average $PM_{2.5}$ Predictions				
Receptor ID	**Incremental Annual Average $PM_{2.5}$ Concentration (µg/m^3)**		**Cumulative Annual Average $PM_{2.5}$ Concentration (µg/m^3)**	
	Phase A – Scenario 1	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**
29	<0.1	<0.1	7.6	7.6
30	<0.1	<0.1	7.6	7.6
31	<0.1	<0.1	7.6	7.6
32	<0.1	<0.1	7.6	7.6
33	<0.1	0.9	7.6	**8.5**
34	<0.1	0.1	7.6	7.7
35	<0.1	0.1	7.6	7.7
36	<0.1	<0.1	7.6	7.6
37	<0.1	0.1	7.6	7.7
38	<0.1	0.3	7.6	7.9
Boundary Maximum	0.3	1.5	7.9	**9.1**

Table B6 – Incremental 1-hour Average NO_x and Incremental and Cumulative 1-hour Average NO_2 Predictions						
Receptor ID	**Maximum Incremental 1-hour Average NO_X Concentration ($\mu g/m^3$)**		**Maximum Incremental 1-hour Average NO_2 Concentration ($\mu g/m^3$)**		**Maximum Cumulative 1-hour Average NO_2 Concentration ($\mu g/m^3$)**	
	Phase A – Scenario 1	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**
1	6.9	25.2	6.6	24.8	114.8	114.8
2	8.3	33.4	7.7	31.4	114.8	117.6
3	8.6	40.4	8.4	33.2	114.8	119.2
4	9.6	50.5	9.6	50.5	114.8	116.9
5	7.5	34.3	7.5	33.2	114.8	114.8
6	9.3	42.8	9.3	37.9	114.8	114.8
7	3.8	20.3	3.8	20.3	114.8	114.8
8	3.9	18.9	3.9	18.9	114.8	114.8
9	6.4	23.8	6.1	22.3	114.8	114.8
10	3.0	14.2	3.0	13.6	114.8	114.8
11	4.1	25.5	3.5	13.3	114.8	114.8
12	3.2	15.9	2.7	12.1	114.8	114.8
13	3.8	16.7	3.7	12.6	114.8	114.8
14	5.7	20.2	4.5	15.9	114.8	114.8
15	4.2	21.6	4.2	21.6	114.8	114.8
16	4.4	23.6	4.4	22.7	114.8	114.8
17	4.2	20.5	3.2	14.2	114.8	114.8
18	7.5	27.5	7.5	23.4	114.8	114.8
19	7.6	32.4	6.2	32.4	114.8	114.8
20	3.6	16.9	3.6	16.9	114.8	114.8
21	4.5	19.7	4.5	19.7	114.8	114.8
22	3.3	17.2	2.4	11.4	114.8	114.8
23	3.1	14.8	2.7	9.5	114.8	114.8
24	5.9	28.2	5.9	28.0	114.8	114.8
25	9.4	39.9	9.4	37.5	114.8	114.8
26	5.2	27.5	5.1	25.8	114.8	114.8
27	8.6	42.2	8.6	40.2	114.8	114.8

Table B6 – Incremental 1-hour Average NO_x and Incremental and Cumulative 1-hour Average NO_2 Predictions						
Receptor ID	**Maximum Incremental 1-hour Average NO_X Concentration ($\mu g/m^3$)**		**Maximum Incremental 1-hour Average NO_2 Concentration ($\mu g/m^3$)**		**Maximum Cumulative 1-hour Average NO_2 Concentration ($\mu g/m^3$)**	
	Phase A – Scenario 1	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**
28	4.1	23.8	4.1	23.2	114.8	114.8
29	3.1	16.1	3.1	16.1	114.8	114.8
30	2.4	17.4	2.4	14.0	114.8	114.8
31	1.8	9.8	1.8	9.8	114.8	114.8
32	2.9	12.2	2.9	12.2	114.8	114.8
33	8.5	87.2	7.9	65.9	114.8	131.5
34	5.6	22.3	5.6	22.3	114.8	114.8
35	4.7	15.0	2.9	13.8	114.8	114.8
36	5.3	22.5	5.3	22.3	114.8	114.8
37	3.5	11.7	2.4	11.4	114.8	114.8
38	9.2	41.6	9.2	36.5	114.8	119.5
Boundary Maximum	56.7	165.6	43.6	75.3	114.8	136.0

Note: NO_2 concentrations converted from NO_x predictions using the OLM approach

Table B7 – Incremental Annual Average NO_x and Incremental and Cumulative Annual Average NO_2 Predictions						
Receptor ID	Incremental Annual Average NO_X Concentration ($\mu g/m^3$)		Incremental Annual Average NO_2 Concentration ($\mu g/m^3$)		Incremental Annual Average NO_2 Concentration ($\mu g/m^3$)	
	Phase A – Scenario 1	Full Build– Scenario 3	Phase A – Scenario 1	Full Build– Scenario 3	Phase A – Scenario 1	Full Build– Scenario 3
1	0.2	4.7	0.2	2.9	22.9	25.6
2	0.2	6.6	0.2	3.9	22.9	26.6
3	0.3	8.2	0.2	4.7	22.9	27.4
4	0.2	7.1	0.2	4.2	22.9	26.9
5	0.1	2.2	0.1	1.7	22.8	24.4
6	0.1	3.3	0.1	2.3	22.8	25.0
7	0.1	2.7	0.1	1.8	22.8	24.5
8	<0.1	1.5	0.0	1.1	22.7	23.8
9	<0.1	1.8	0.0	1.2	22.7	23.9
10	0.1	2.4	0.1	1.5	22.7	24.2
11	0.1	3.0	0.1	1.9	22.8	24.5
12	0.1	3.0	0.1	1.9	22.8	24.6
13	0.1	2.9	0.1	1.8	22.8	24.5
14	0.2	4.1	0.1	2.5	22.8	25.2
15	0.1	2.2	0.1	1.5	22.7	24.2
16	<0.1	0.5	0.0	0.4	22.7	23.1
17	0.1	3.4	0.1	2.1	22.8	24.8
18	0.1	2.0	0.1	1.4	22.8	24.0
19	<0.1	1.0	0.0	0.7	22.7	23.4
20	<0.1	1.1	0.0	0.8	22.7	23.5
21	<0.1	0.9	0.0	0.7	22.7	23.4
22	0.1	2.5	0.1	1.6	22.8	24.3
23	0.1	1.7	0.0	1.1	22.7	23.8
24	<0.1	1.2	0.0	0.9	22.7	23.6
25	0.1	3.2	0.1	2.3	22.8	25.0
26	<0.1	1.1	0.0	0.8	22.7	23.5
27	0.1	3.0	0.1	2.1	22.8	24.8

Table B7 – Incremental Annual Average NO_x and Incremental and Cumulative Annual Average NO_2 Predictions						
Receptor ID	Incremental Annual Average NO_X Concentration ($\mu g/m^3$)		Incremental Annual Average NO_2 Concentration ($\mu g/m^3$)		Incremental Annual Average NO_2 Concentration ($\mu g/m^3$)	
	Phase A – Scenario 1	Full Build– Scenario 3	Phase A – Scenario 1	Full Build– Scenario 3	Phase A – Scenario 1	Full Build– Scenario 3
28	<0.1	1.2	0.0	0.9	22.7	23.6
29	<0.1	1.0	0.0	0.7	22.7	23.4
30	<0.1	1.3	0.0	0.9	22.7	23.6
31	<0.1	0.9	0.0	0.6	22.7	23.3
32	<0.1	0.8	0.0	0.6	22.7	23.3
33	0.2	21.0	0.2	9.2	22.9	31.9
34	0.1	1.9	0.1	1.3	22.7	24.0
35	0.1	3.4	0.1	2.1	22.8	24.8
36	<0.1	1.1	0.0	0.8	22.7	23.5
37	0.1	2.0	0.1	1.4	22.8	24.1
38	0.3	9.1	0.2	5.1	22.9	27.8
Boundary Maximum	2.2	39.0	1.7	14.8	24.4	37.5

Note: NO_2 concentrations converted from NO_x predictions using the OLM approach

Table B8 – Incremental 1-hour, 24-hour and Annual Average SO_2 Predictions						
Receptor ID	**Maximum Incremental 1-hour Average SO_2 Concentration (µg/m^3)**		**Maximum Incremental 24-hour Average SO_2 Concentration (µg/m^3)**		**Incremental Annual Average SO_2 Concentration (µg/m^3)**	
	Phase A – Scenario 1	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**
1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
11	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
15	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
16	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
17	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
18	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
19	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
20	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
21	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
22	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
23	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
24	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
25	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
26	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
27	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Table B8 – Incremental 1-hour, 24-hour and Annual Average SO_2 Predictions						
Receptor ID	**Maximum Incremental 1-hour Average SO_2 Concentration ($\mu g/m^3$)**		**Maximum Incremental 24-hour Average SO_2 Concentration ($\mu g/m^3$)**		**Incremental Annual Average SO_2 Concentration ($\mu g/m^3$)**	
	Phase A – Scenario 1	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**
28	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
29	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
30	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
31	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
32	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
33	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
34	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
35	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
36	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
37	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
38	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boundary Maximum	0.1	0.1	<0.1	0.1	<0.1	<0.1

Table B9 – Cumulative 1-hour, 24-hour and Annual Average SO_2 Predictions						
Receptor ID	**Maximum Cumulative 1-hour Average SO_2 Concentration ($\mu g/m^3$)**		**Maximum Cumulative 24-hour Average SO_2 Concentration ($\mu g/m^3$)**		**Cumulative Annual Average SO_2 Concentration ($\mu g/m^3$)**	
	Phase A – Scenario 1	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**
1	34.3	34.3	8.9	8.9	1.9	1.9
2	34.3	34.3	8.9	8.9	1.9	1.9
3	34.3	34.3	8.9	8.9	1.9	1.9
4	34.3	34.3	8.9	8.9	1.9	1.9
5	34.3	34.3	8.9	8.9	1.9	1.9
6	34.3	34.3	8.9	8.9	1.9	1.9
7	34.3	34.3	8.9	8.9	1.9	1.9
8	34.3	34.3	8.9	8.9	1.9	1.9
9	34.3	34.3	8.9	8.9	1.9	1.9
10	34.3	34.3	8.9	8.9	1.9	1.9
11	34.3	34.3	8.9	8.9	1.9	1.9
12	34.3	34.3	8.9	8.9	1.9	1.9
13	34.3	34.3	8.9	8.9	1.9	1.9
14	34.3	34.3	8.9	8.9	1.9	1.9
15	34.3	34.3	8.9	8.9	1.9	1.9
16	34.3	34.3	8.9	8.9	1.9	1.9
17	34.3	34.3	8.9	8.9	1.9	1.9
18	34.3	34.3	8.9	8.9	1.9	1.9
19	34.3	34.3	8.9	8.9	1.9	1.9
20	34.3	34.3	8.9	8.9	1.9	1.9
21	34.3	34.3	8.9	8.9	1.9	1.9
22	34.3	34.3	8.9	8.9	1.9	1.9
23	34.3	34.3	8.9	8.9	1.9	1.9
24	34.3	34.3	8.9	8.9	1.9	1.9
25	34.3	34.3	8.9	8.9	1.9	1.9
26	34.3	34.3	8.9	8.9	1.9	1.9
27	34.3	34.3	8.9	8.9	1.9	1.9

Table B9 – Cumulative 1-hour, 24-hour and Annual Average SO_2 Predictions						
Receptor ID	**Maximum Cumulative 1-hour Average SO_2 Concentration ($\mu g/m^3$)**		**Maximum Cumulative 24-hour Average SO_2 Concentration ($\mu g/m^3$)**		**Cumulative Annual Average SO_2 Concentration ($\mu g/m^3$)**	
	Phase A – Scenario 1	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**
28	34.3	34.3	8.9	8.9	1.9	1.9
29	34.3	34.3	8.9	8.9	1.9	1.9
30	34.3	34.3	8.9	8.9	1.9	1.9
31	34.3	34.3	8.9	8.9	1.9	1.9
32	34.3	34.3	8.9	8.9	1.9	1.9
33	34.3	34.3	8.9	8.9	1.9	1.9
34	34.3	34.3	8.9	8.9	1.9	1.9
35	34.3	34.3	8.9	8.9	1.9	1.9
36	34.3	34.3	8.9	8.9	1.9	1.9
37	34.3	34.3	8.9	8.9	1.9	1.9
38	34.3	34.3	8.9	8.9	1.9	1.9
Boundary Maximum	34.3	34.4	8.9	8.9	1.9	2.0

Table B10 – Incremental 1-hour and 8-hour Average CO Predictions				
Receptor ID	**Incremental 1-hour Average CO Concentration (µg/m^3)**		**Incremental 8-hour Average CO Concentration (µg/m^3)**	
	Phase A – Scenario 1	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**
1	2.6	37.2	0.6	24.6
2	3.1	46.8	0.7	32.7
3	3.2	57.5	0.8	41.4
4	3.6	67.2	0.7	41.9
5	2.8	48.1	0.6	29.2
6	3.5	55.7	0.7	36.2
7	1.4	37.3	0.2	12.8
8	1.5	28.2	0.2	12.6
9	2.4	43.1	0.4	19.7
10	1.1	21.9	0.2	12.3
11	1.6	36.8	0.2	17.0
12	1.2	33.3	0.3	18.2
13	1.4	26.7	0.3	17.4
14	2.2	32.6	0.4	27.4
15	1.6	32.1	0.3	16.0
16	1.7	44.3	0.3	13.5
17	1.6	26.6	0.3	19.5
18	2.8	51.4	0.4	13.3
19	2.9	58.4	0.5	20.1
20	1.4	28.5	0.3	12.5
21	1.7	27.7	0.2	11.2
22	1.2	33.3	0.3	15.1
23	1.2	24.8	0.2	10.7
24	2.2	36.2	0.4	22.5
25	3.5	56.3	0.7	36.0
26	2.0	36.2	0.4	19.4
27	3.2	61.0	0.7	35.1
28	1.5	33.6	0.3	18.7

Table B10 – Incremental 1-hour and 8-hour Average CO Predictions				
Receptor ID	**Incremental 1-hour Average CO Concentration (µg/m^3)**		**Incremental 8-hour Average CO Concentration (µg/m^3)**	
	Phase A – Scenario 1	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**
29	1.2	25.3	0.2	10.7
30	0.9	28.3	0.2	8.9
31	0.7	13.6	0.1	5.8
32	1.1	24.5	0.1	7.5
33	3.2	237.4	0.6	202.8
34	2.1	31.5	0.3	9.3
35	1.8	26.9	0.3	21.0
36	2.0	43.0	0.4	24.4
37	1.3	24.4	0.2	12.3
38	3.5	59.9	0.8	44.4
Boundary Maximum	21.4	370.4	4.8	314.8

Table B11 – Cumulative 1-hour and 8-hour Average CO Predictions				
Receptor ID	**Cumulative 1-hour Average CO Concentration (µg/m^3)**		**Cumulative 8-hour Average CO Concentration (µg/m^3)**	
	Phase A – Scenario 1	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**
1	2.6	37.2	2,062.3	2,069.7
2	3.1	46.8	2,062.3	2,072.6
3	3.2	57.5	2,062.3	2,075.6
4	3.6	67.2	2,062.2	2,073.7
5	2.8	48.1	2,062.1	2,064.5
6	3.5	55.7	2,062.1	2,066.2
7	1.4	37.3	2,062.2	2,066.5
8	1.5	28.2	2,062.1	2,064.8
9	2.4	43.1	2,062.1	2,065.3
10	1.1	21.9	2,062.2	2,066.3
11	1.6	36.8	2,062.2	2,068.0
12	1.2	33.3	2,062.2	2,068.3
13	1.4	26.7	2,062.1	2,067.9
14	2.2	32.6	2,062.2	2,069.7
15	1.6	32.1	2,062.2	2,065.8
16	1.7	44.3	2,062.1	2,063.1
17	1.6	26.6	2,062.2	2,069.0
18	2.8	51.4	2,062.2	2,065.4
19	2.9	58.4	2,062.1	2,063.9
20	1.4	28.5	2,062.1	2,064.0
21	1.7	27.7	2,062.1	2,063.6
22	1.2	33.3	2,062.1	2,067.3
23	1.2	24.8	2,062.1	2,065.6
24	2.2	36.2	2,062.1	2,063.6
25	3.5	56.3	2,062.1	2,065.8
26	2.0	36.2	2,062.1	2,063.4
27	3.2	61.0	2,062.1	2,066.6
28	1.5	33.6	2,062.1	2,063.8

Table B11 – Cumulative 1-hour and 8-hour Average CO Predictions				
Receptor ID	**Cumulative 1-hour Average CO Concentration (µg/m^3)**		**Cumulative 8-hour Average CO Concentration (µg/m^3)**	
	Phase A – Scenario 1	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**
29	1.2	25.3	2,062.1	2,063.7
30	0.9	28.3	2,062.1	2,064.4
31	0.7	13.6	2,062.1	2,063.6
32	1.1	24.5	2,062.1	2,063.5
33	3.2	237.4	2,062.4	2,129.6
34	2.1	31.5	2,062.1	2,065.2
35	1.8	26.9	2,062.2	2,069.2
36	2.0	43.0	2,062.1	2,064.1
37	1.3	24.4	2,062.1	2,065.6
38	3.5	59.9	2,062.3	2,076.9
Boundary Maximum	21.4	370.4	2,064.0	2,167.9

Table B12 – Incremental 99.9th Percentile 1-hour Average Benzene, Toluene and Xylenes Predictions						
Receptor ID	99.9th Percentile Incremental 1-hour Average Benzene Concentration (µg/m3)		99.9th Percentile Incremental 1-hour Average Toluene Concentration (µg/m3)		99.9th Percentile Incremental 1-hour Average Xylenes Concentration (µg/m3)	
	Phase A – Scenario 1	Full Build– Scenario 3	Phase A – Scenario 1	Full Build– Scenario 3	Phase A – Scenario 1	Full Build– Scenario 3
1	0.001	0.019	<0.001	0.007	<0.001	0.008
2	0.001	0.024	<0.001	0.009	<0.001	0.010
3	0.001	0.030	<0.001	0.011	<0.001	0.013
4	0.001	0.038	<0.001	0.013	<0.001	0.016
5	0.001	0.028	<0.001	0.010	<0.001	0.012
6	0.001	0.032	<0.001	0.011	<0.001	0.014
7	<0.001	0.011	<0.001	0.004	<0.001	0.005
8	<0.001	0.016	<0.001	0.005	<0.001	0.007
9	<0.001	0.024	<0.001	0.009	<0.001	0.010
10	<0.001	0.012	<0.001	0.004	<0.001	0.005
11	<0.001	0.014	<0.001	0.005	<0.001	0.006
12	<0.001	0.014	<0.001	0.005	<0.001	0.006
13	<0.001	0.013	<0.001	0.005	<0.001	0.005
14	<0.001	0.019	<0.001	0.007	<0.001	0.008
15	<0.001	0.019	<0.001	0.007	<0.001	0.008
16	<0.001	0.021	<0.001	0.007	<0.001	0.009
17	<0.001	0.015	<0.001	0.005	<0.001	0.006
18	<0.001	0.013	<0.001	0.005	<0.001	0.006
19	<0.001	0.031	<0.001	0.011	<0.001	0.013
20	<0.001	0.015	<0.001	0.005	<0.001	0.007
21	<0.001	0.016	<0.001	0.006	<0.001	0.007
22	<0.001	0.012	<0.001	0.004	<0.001	0.005
23	<0.001	0.010	<0.001	0.003	<0.001	0.004
24	<0.001	0.021	<0.001	0.007	<0.001	0.009
25	0.001	0.032	<0.001	0.011	<0.001	0.014
26	<0.001	0.020	<0.001	0.007	<0.001	0.009
27	0.001	0.034	<0.001	0.012	<0.001	0.015

Table B12 – Incremental 99.9th Percentile 1-hour Average Benzene, Toluene and Xylenes Predictions						
Receptor ID	**99.9th Percentile Incremental 1-hour Average Benzene Concentration (µg/m^3)**		**99.9th Percentile Incremental 1-hour Average Toluene Concentration (µg/m^3)**		**99.9th Percentile Incremental 1-hour Average Xylenes Concentration (µg/m^3)**	
	Phase A – Scenario 1	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**	**Phase A – Scenario 1**	**Full Build– Scenario 3**
28	<0.001	0.019	<0.001	0.007	<0.001	0.008
29	<0.001	0.014	<0.001	0.005	<0.001	0.006
30	<0.001	0.009	<0.001	0.003	<0.001	0.004
31	<0.001	0.006	<0.001	0.002	<0.001	0.003
32	<0.001	0.009	<0.001	0.003	<0.001	0.004
33	0.001	0.146	<0.001	0.051	<0.001	0.062
34	<0.001	0.008	<0.001	0.003	<0.001	0.004
35	<0.001	0.015	<0.001	0.005	<0.001	0.007
36	<0.001	0.024	<0.001	0.008	<0.001	0.010
37	<0.001	0.012	<0.001	0.004	<0.001	0.005
38	0.001	0.032	<0.001	0.011	<0.001	0.013
Boundary Maximum	0.005	0.227	0.002	0.080	0.002	0.097

Table B13 – Incremental 99.9th Percentile 1-hour Average 1,3-butadine, Formaldehyde and Acetaldehyde Predictions						
Receptor ID	99.9th Percentile Incremental 1-hour Average 1,3-butadine Concentration (µg/m3)		99.9th Percentile Incremental 1-hour Average Formaldehyde Concentration (µg/m3)		99.9th Percentile Incremental 1-hour Average Acetaldehyde Concentration (µg/m3)	
	Phase A – Scenario 1	Full Build– Scenario 3	Phase A – Scenario 1	Full Build– Scenario 3	Phase A – Scenario 1	Full Build– Scenario 3
1	<0.001	0.002	0.004	0.164	0.001	0.027
2	<0.001	0.003	0.005	0.207	0.001	0.035
3	<0.001	0.004	0.006	0.259	0.001	0.043
4	<0.001	0.004	0.005	0.326	0.001	0.054
5	<0.001	0.003	0.005	0.234	0.001	0.039
6	<0.001	0.004	0.006	0.274	0.001	0.046
7	<0.001	0.001	0.002	0.092	<0.001	0.015
8	<0.001	0.002	0.001	0.133	<0.001	0.022
9	<0.001	0.003	0.002	0.206	<0.001	0.034
10	<0.001	0.001	0.002	0.104	<0.001	0.017
11	<0.001	0.002	0.002	0.117	<0.001	0.020
12	<0.001	0.002	0.002	0.116	<0.001	0.019
13	<0.001	0.002	0.002	0.110	<0.001	0.018
14	<0.001	0.002	0.004	0.163	0.001	0.027
15	<0.001	0.002	0.002	0.161	<0.001	0.027
16	<0.001	0.002	0.001	0.175	<0.001	0.029
17	<0.001	0.002	0.002	0.128	<0.001	0.021
18	<0.001	0.002	0.003	0.115	0.001	0.019
19	<0.001	0.004	0.004	0.260	0.001	0.043
20	<0.001	0.002	0.001	0.132	<0.001	0.022
21	<0.001	0.002	0.001	0.138	<0.001	0.023
22	<0.001	0.001	0.002	0.100	<0.001	0.017
23	<0.001	0.001	0.002	0.083	<0.001	0.014
24	<0.001	0.002	0.002	0.181	<0.001	0.030
25	<0.001	0.004	0.005	0.271	0.001	0.045
26	<0.001	0.002	0.003	0.172	<0.001	0.029
27	<0.001	0.004	0.005	0.290	0.001	0.048

Table B13 – Incremental 99.9th Percentile 1-hour Average 1,3-butadine, Formaldehyde and Acetaldehyde Predictions						
Receptor ID	99.9th Percentile Incremental 1-hour Average 1,3-butadine Concentration (µg/m3)		99.9th Percentile Incremental 1-hour Average Formaldehyde Concentration (µg/m3)		99.9th Percentile Incremental 1-hour Average Acetaldehyde Concentration (µg/m3)	
	Phase A – Scenario 1	Full Build– Scenario 3	Phase A – Scenario 1	Full Build– Scenario 3	Phase A – Scenario 1	Full Build– Scenario 3
28	<0.001	0.002	0.002	0.158	<0.001	0.026
29	<0.001	0.002	0.002	0.120	<0.001	0.020
30	<0.001	0.001	0.001	0.079	<0.001	0.013
31	<0.001	0.001	0.001	0.050	<0.001	0.008
32	<0.001	0.001	0.001	0.078	<0.001	0.013
33	<0.001	0.017	0.006	1.241	0.001	0.207
34	<0.001	0.001	0.001	0.072	<0.001	0.012
35	<0.001	0.002	0.002	0.131	<0.001	0.022
36	<0.001	0.003	0.002	0.203	<0.001	0.034
37	<0.001	0.001	0.002	0.100	<0.001	0.017
38	<0.001	0.004	0.006	0.269	0.001	0.045
Boundary Maximum	0.001	0.026	0.039	1.931	0.006	0.321

Table B14 – Incremental 99.9th Percentile 1-hour and Annual Average PAHs Predictions				
Receptor ID	Incremental 99.9th Percentile 1-hour Average PAHs Concentration (µg/m3)		Incremental Annual Average PAHs Concentration (µg/m3)	
	Phase A – Scenario 1	Full Build– Scenario 3	Phase A – Scenario 1	Full Build– Scenario 3
1	0.003	0.002	<0.001	<0.001
2	0.003	0.003	<0.001	0.001
3	0.004	0.003	<0.001	0.001
4	0.003	0.004	<0.001	0.001
5	0.003	0.002	<0.001	<0.001
6	0.003	0.003	<0.001	<0.001
7	0.001	0.001	<0.001	<0.001
8	0.001	0.001	<0.001	<0.001
9	0.001	0.002	<0.001	<0.001
10	0.001	0.001	<0.001	<0.001
11	0.001	0.001	<0.001	<0.001
12	0.001	0.001	<0.001	<0.001
13	0.001	0.001	<0.001	<0.001
14	0.002	0.001	<0.001	<0.001
15	0.001	0.001	<0.001	<0.001
16	0.001	0.002	<0.001	<0.001
17	0.001	0.001	<0.001	<0.001
18	0.002	0.001	<0.001	<0.001
19	0.002	0.002	<0.001	<0.001
20	0.001	0.001	<0.001	<0.001
21	0.001	0.001	<0.001	<0.001
22	0.001	0.001	<0.001	<0.001
23	0.001	0.001	<0.001	<0.001
24	0.001	0.002	<0.001	<0.001
25	0.003	0.003	<0.001	<0.001
26	0.002	0.002	<0.001	<0.001
27	0.003	0.003	<0.001	<0.001

Table B14 – Incremental 99.9th Percentile 1-hour and Annual Average PAHs Predictions				
Receptor ID	Incremental 99.9th Percentile 1-hour Average PAHs Concentration (µg/m3)		Incremental Annual Average PAHs Concentration (µg/m3)	
	Phase A – Scenario 1	Full Build– Scenario 3	Phase A – Scenario 1	Full Build– Scenario 3
28	0.001	0.002	<0.001	<0.001
29	0.001	0.001	<0.001	<0.001
30	0.001	0.001	<0.001	<0.001
31	<0.001	<0.001	<0.001	<0.001
32	0.001	0.001	<0.001	<0.001
33	0.003	0.003	<0.001	0.001
34	0.001	0.001	<0.001	<0.001
35	0.001	0.001	<0.001	<0.001
36	0.001	0.002	<0.001	<0.001
37	0.001	0.001	<0.001	<0.001
38	0.004	0.003	<0.001	0.001
Boundary Maximum	0.023	0.019	0.001	0.005

Appendix C

Incremental Pollutant Isopleths

ENVIRON

Maximum Predicted Incremental 24-hour Average PM_{10} Concentrations ($\mu g/m^3$)

FIGURE
C1

DRAFTED BY: SF

DATE: 12/02/2014

Project AS121562

ENVIRON

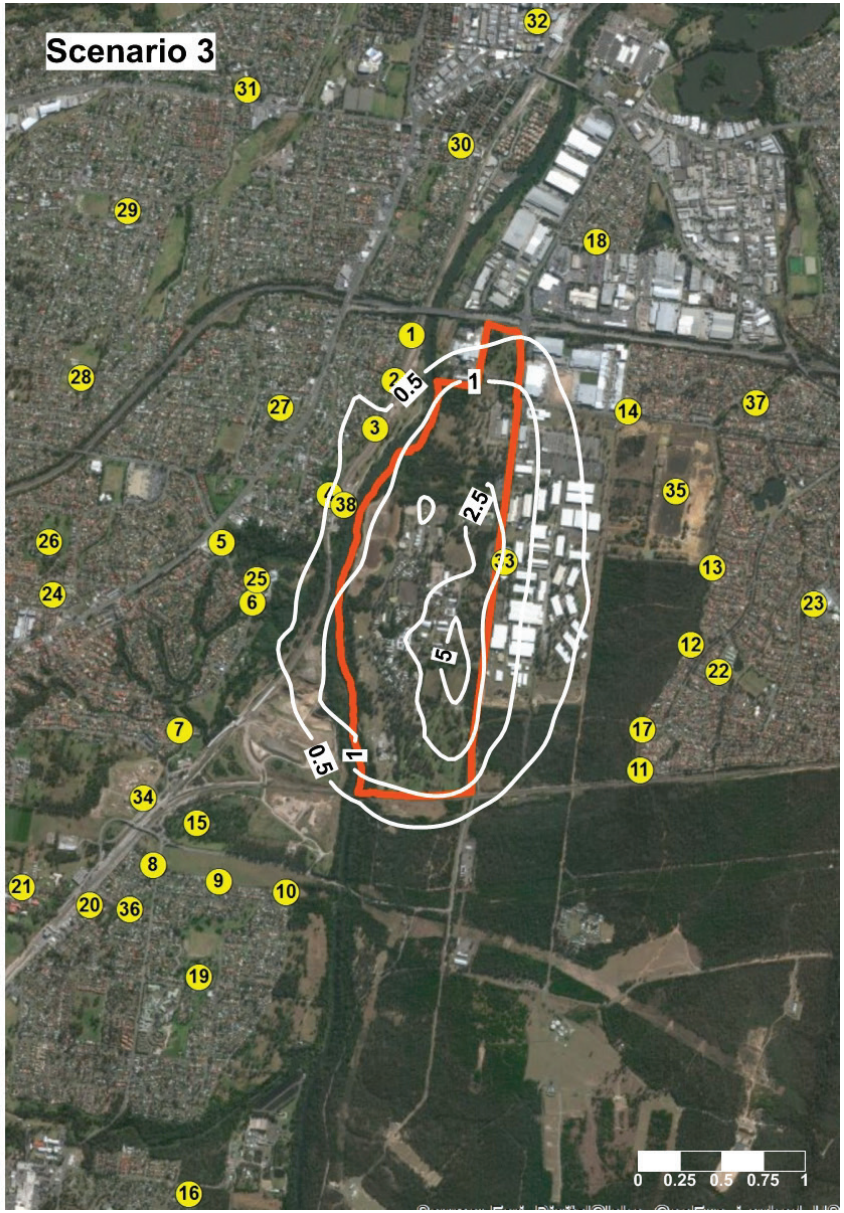
Predicted Incremental Annual Average PM_{10} Concentrations ($\mu g/m^3$)

FIGURE
C2

DRAFTED BY: SF

DATE: 12/02/2014

Project AS121562



ENVIRON

Maximum Predicted Incremental 24-hour Average $PM_{2.5}$ Concentrations ($\mu g/m^3$)

FIGURE
C3

DRAFTED BY: SF

DATE: 12/02/2014

Project AS121562

ENVIRON

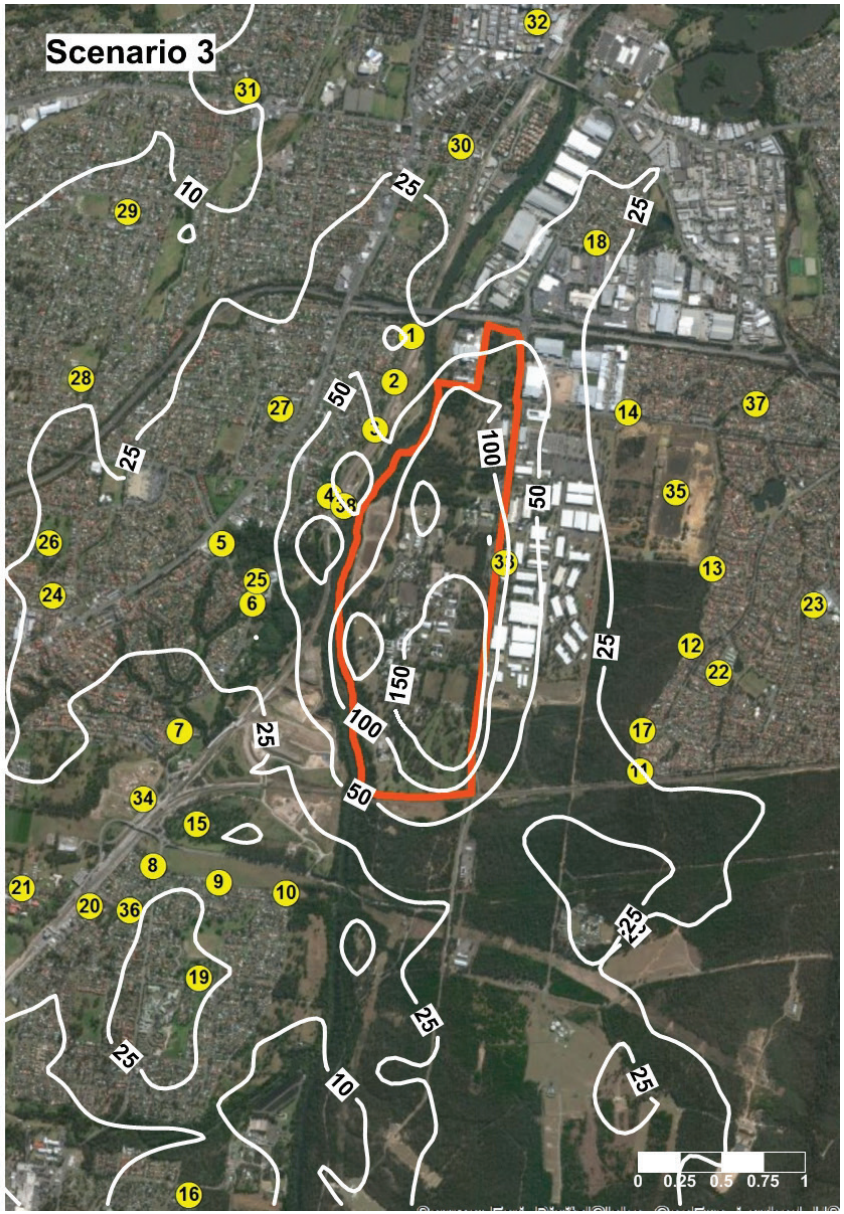
Predicted Annual Average $PM_{2.5}$ Concentrations ($\mu g/m^3$)

FIGURE
C4

DRAFTED BY: SF

DATE: 12/02/2014

Project AS121562



ENVIRON

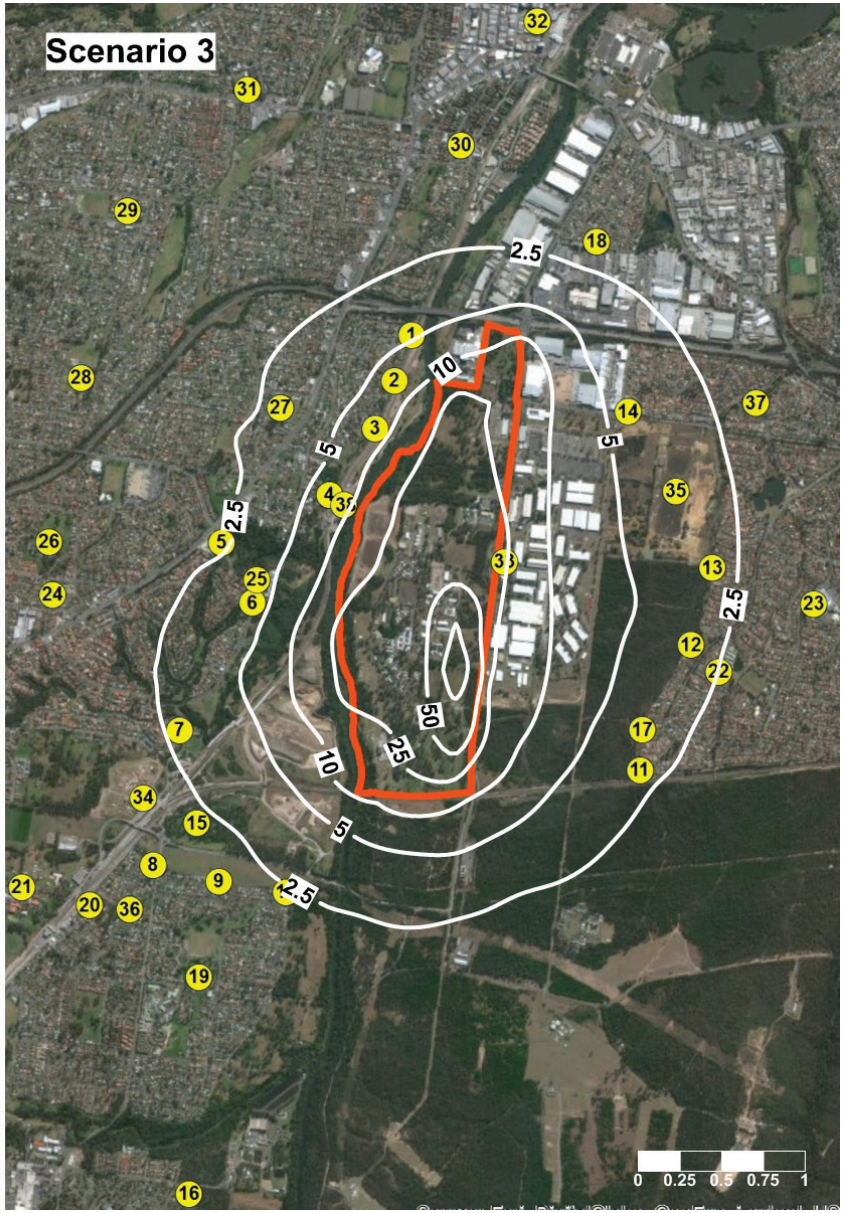
Maximum Predicted Incremental 1-hour Average NO_X Concentrations ($\mu g/m^3$)

FIGURE
C5

DRAFTED BY: SF

DATE: 12/02/2014

Project AS121562



ENVIRON

Predicted Incremental Annual Average NO_X Concentrations ($\mu g/m^3$)

FIGURE
C6

DRAFTED BY: SF

DATE: 12/02/2014

Project AS121562

Appendix D

Cumulative SIMTA Scenario Model Results

Table D1 – 24-hour Average PM_{10} Predictions – SIMTA Cumulative												
Receptor ID	**Maximum Incremental 24-hour Average PM_{10} Concentration ($\mu g/m^3$)**				**Maximum Cumulative 24-hour Average PM_{10} Concentration ($\mu g/m^3$)**				**Number of Additional Exceedance Days Cumulative PM_{10} >50$\mu g/m^3$**			
Cumulative Scenario	**A**	**B**	**C1**	**C2**	**A**	**B**	**C1**	**C2**	**A**	**B**	**C1**	**C2**
1	0.5	0.3	1.0	0.3	**98.8**	**98.7**	**98.7**	**98.7**	0	0	0	0
2	0.6	0.3	1.2	0.3	**98.9**	**98.8**	**98.8**	**98.7**	0	0	0	0
3	0.7	0.4	1.4	0.4	**99.0**	**98.8**	**98.9**	**98.8**	0	0	0	0
4	0.6	0.4	1.6	0.4	**99.0**	**98.8**	**98.9**	**98.8**	0	0	0	0
5	0.4	0.3	0.5	0.3	**98.7**	**98.7**	**98.7**	**98.7**	0	0	0	0
6	0.6	0.4	1.1	0.4	**98.8**	**98.7**	**98.8**	**98.7**	0	0	0	0
7	0.2	0.1	0.6	0.1	**98.7**	**98.6**	**98.7**	**98.6**	0	0	0	0
8	0.2	0.1	0.3	0.1	**98.6**	**98.6**	**98.6**	**98.6**	0	0	0	0
9	0.3	0.2	0.5	0.2	**98.6**	**98.6**	**98.6**	**98.6**	0	0	0	0
10	0.2	0.1	0.5	0.1	**98.7**	**98.6**	**98.6**	**98.6**	0	0	0	0
11	0.4	0.3	0.7	0.3	**98.8**	**98.7**	**98.8**	**98.7**	0	0	0	0
12	0.5	0.4	0.7	0.4	**98.8**	**98.8**	**98.8**	**98.8**	0	0	0	0
13	0.5	0.4	0.7	0.4	**98.8**	**98.8**	**98.8**	**98.8**	0	0	0	0
14	0.6	0.4	0.8	0.4	**98.9**	**98.8**	**98.8**	**98.8**	0	0	0	0
15	0.2	0.1	0.4	0.2	**98.7**	**98.6**	**98.6**	**98.6**	0	0	0	0
16	0.1	0.1	0.2	0.1	**98.6**	**98.6**	**98.6**	**98.6**	0	0	0	0
17	0.5	0.4	0.8	0.4	**98.8**	**98.8**	**98.8**	**98.8**	0	0	0	0
18	0.2	0.2	0.5	0.1	**98.7**	**98.6**	**98.6**	**98.6**	0	0	0	0
19	0.3	0.2	0.5	0.2	**98.6**	**98.6**	**98.6**	**98.6**	0	0	0	0
20	0.2	0.1	0.3	0.1	**98.6**	**98.6**	**98.6**	**98.6**	0	0	0	0
21	0.1	0.1	0.2	0.1	**98.6**	**98.6**	**98.6**	**98.6**	0	0	0	0
22	0.4	0.3	0.6	0.3	**98.8**	**98.7**	**98.8**	**98.7**	0	0	0	0
23	0.3	0.2	0.4	0.2	**98.7**	**98.7**	**98.7**	**98.7**	0	0	0	0
24	0.3	0.2	0.6	0.2	**98.7**	**98.6**	**98.6**	**98.6**	0	0	0	0
25	0.5	0.4	0.8	0.3	**98.8**	**98.7**	**98.7**	**98.7**	0	0	0	0
26	0.3	0.2	0.4	0.2	**98.6**	**98.6**	**98.6**	**98.6**	0	0	0	0
27	0.5	0.3	1.1	0.3	**98.8**	**98.7**	**98.7**	**98.7**	0	0	0	0

Table D1 – 24-hour Average PM_{10} Predictions – SIMTA Cumulative												
Receptor ID	**Maximum Incremental 24-hour Average PM_{10} Concentration ($\mu g/m^3$)**				**Maximum Cumulative 24-hour Average PM_{10} Concentration ($\mu g/m^3$)**				**Number of Additional Exceedance Days Cumulative PM_{10} >50$\mu g/m^3$**			
Cumulative Scenario	**A**	**B**	**C1**	**C2**	**A**	**B**	**C1**	**C2**	**A**	**B**	**C1**	**C2**
28	0.2	0.1	0.3	0.1	**98.6**	**98.6**	**98.6**	**98.6**	0	0	0	0
29	0.2	0.1	0.4	0.1	**98.6**	**98.6**	**98.6**	**98.6**	0	0	0	0
30	0.2	0.1	0.3	0.1	**98.6**	**98.6**	**98.6**	**98.6**	0	0	0	0
31	0.1	0.1	0.2	0.1	**98.6**	**98.6**	**98.6**	**98.6**	0	0	0	0
32	0.1	0.1	0.2	0.1	**98.6**	**98.6**	**98.6**	**98.6**	0	0	0	0
33	5.0	3.9	4.5	3.9	**101.6**	**101.0**	**100.9**	**101.0**	**1**	0	**1**	0
34	0.2	0.1	0.3	0.1	**98.7**	**98.6**	**98.6**	**98.6**	0	0	0	0
35	0.6	0.5	0.8	0.5	**98.9**	**98.8**	**98.9**	**98.8**	0	0	0	0
36	0.3	0.1	0.4	0.2	**98.6**	**98.6**	**98.6**	**98.6**	0	0	0	0
37	0.3	0.2	0.4	0.2	**98.7**	**98.7**	**98.7**	**98.7**	0	0	0	0
38	0.8	0.4	1.5	0.4	**99.0**	**98.8**	**98.9**	**98.8**	0	0	0	0
Boundary Maximum	6.1	4.3	8.1	4.4	**102.3**	**101.3**	**101.4**	**101.3**	**1**	**1**	**1**	**1**

Note: Grey shaded cell indicates exceedance of applicable criterion
Note: Maximum ambient 24-hour average PM_{10} background concentration in exceedance of criterion due to bushfire event

Table D2 – Annual Average PM_{10} Predictions – SIMTA Cumulative								
Receptor ID	**Incremental Annual Average PM_{10} Concentration (µg/m^3)**				**Cumulative Annual Average PM_{10} Concentration (µg/m^3)**			
Cumulative Scenario	**A**	**B**	**C1**	**C2**	**A**	**B**	**C1**	**C2**
1	0.2	0.1	0.3	0.1	20.6	20.5	20.7	20.5
2	0.3	0.2	0.4	0.2	20.7	20.6	20.8	20.6
3	0.4	0.2	0.5	0.2	20.8	20.6	20.9	20.6
4	0.3	0.2	0.4	0.2	20.7	20.6	20.8	20.6
5	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
6	0.1	0.1	0.2	0.1	20.5	20.5	20.6	20.5
7	0.1	0.1	0.2	0.1	20.5	20.5	20.6	20.5
8	0.1	0.0	0.1	0.0	20.5	20.4	20.5	20.4
9	0.1	0.0	0.1	0.1	20.5	20.4	20.5	20.5
10	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
11	0.2	0.1	0.2	0.1	20.6	20.5	20.6	20.5
12	0.2	0.2	0.3	0.2	20.6	20.6	20.7	20.6
13	0.2	0.2	0.3	0.2	20.6	20.6	20.7	20.6
14	0.3	0.2	0.3	0.2	20.7	20.6	20.7	20.6
15	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
16	0.0	0.0	0.0	0.0	20.4	20.4	20.4	20.4
17	0.2	0.2	0.3	0.2	20.6	20.6	20.7	20.6
18	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
19	0.0	0.0	0.1	0.0	20.4	20.4	20.5	20.4
20	0.1	0.0	0.1	0.0	20.5	20.4	20.5	20.4
21	0.0	0.0	0.1	0.0	20.4	20.4	20.5	20.4
22	0.2	0.1	0.2	0.1	20.6	20.5	20.6	20.5
23	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
24	0.1	0.0	0.1	0.0	20.5	20.4	20.5	20.4
25	0.1	0.1	0.2	0.1	20.5	20.5	20.6	20.5
26	0.1	0.0	0.1	0.0	20.5	20.4	20.5	20.4
27	0.1	0.1	0.2	0.1	20.5	20.5	20.6	20.5

Table D2 – Annual Average PM_{10} Predictions – SIMTA Cumulative								
Receptor ID	**Incremental Annual Average PM_{10} Concentration (µg/m^3)**				**Cumulative Annual Average PM_{10} Concentration (µg/m^3)**			
Cumulative Scenario	**A**	**B**	**C1**	**C2**	**A**	**B**	**C1**	**C2**
28	0.1	0.0	0.1	0.0	20.5	20.4	20.5	20.4
29	0.1	0.0	0.1	0.0	20.5	20.4	20.5	20.4
30	0.1	0.0	0.1	0.0	20.5	20.4	20.5	20.4
31	0.0	0.0	0.1	0.0	20.4	20.4	20.5	20.4
32	0.0	0.0	0.1	0.0	20.4	20.4	20.5	20.4
33	2.6	2.1	2.2	2.1	23.0	22.5	22.6	22.5
34	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
35	0.3	0.2	0.3	0.2	20.7	20.6	20.7	20.6
36	0.1	0.0	0.1	0.0	20.5	20.4	20.5	20.4
37	0.1	0.1	0.2	0.1	20.5	20.5	20.6	20.5
38	0.4	0.2	0.5	0.2	20.8	20.6	20.9	20.6
Boundary Maximum	3.2	2.3	2.9	2.3	23.6	22.7	23.3	22.7

Table D3 – 24-hour Average $PM_{2.5}$ Predictions – SIMTA Cumulative												
Receptor ID	**Maximum Incremental 24-hour Average $PM_{2.5}$ Concentration ($\mu g/m^3$)**				**Maximum Cumulative 24-hour Average $PM_{2.5}$ Concentration ($\mu g/m^3$)**				**Number of Additional Exceedance Days Cumulative $PM_{2.5}$ >25$\mu g/m^3$**			
Cumulative Scenario	**A**	**B**	**C1**	**C2**	**A**	**B**	**C1**	**C2**	**A**	**B**	**C1**	**C2**
1	0.5	0.3	0.3	0.3	**74.1**	**74.0**	**74.0**	**74.0**	0	0	0	0
2	0.6	0.3	0.4	0.3	**74.2**	**74.0**	**74.1**	**74.0**	0	0	0	0
3	0.7	0.4	0.5	0.4	**74.3**	**74.1**	**74.1**	**74.1**	0	0	0	0
4	0.6	0.4	0.5	0.4	**74.3**	**74.1**	**74.1**	**74.1**	0	0	0	0
5	0.4	0.3	0.3	0.3	**74.0**	**73.9**	**74.0**	**73.9**	0	0	0	0
6	0.6	0.4	0.4	0.4	**74.1**	**74.0**	**74.0**	**74.0**	0	0	0	0
7	0.2	0.1	0.2	0.1	**74.0**	**73.9**	**73.9**	**73.9**	0	0	0	0
8	0.2	0.1	0.1	0.1	**73.9**	**73.9**	**73.9**	**73.9**	0	0	0	0
9	0.3	0.2	0.2	0.2	**73.9**	**73.9**	**73.9**	**73.9**	0	0	0	0
10	0.2	0.1	0.2	0.1	**74.0**	**73.9**	**73.9**	**73.9**	0	0	0	0
11	0.4	0.3	0.3	0.3	**74.1**	**74.0**	**74.0**	**74.0**	0	0	0	0
12	0.5	0.4	0.4	0.4	**74.1**	**74.1**	**74.1**	**74.1**	0	0	0	0
13	0.5	0.4	0.4	0.4	**74.1**	**74.1**	**74.1**	**74.1**	0	0	0	0
14	0.6	0.4	0.4	0.4	**74.2**	**74.1**	**74.1**	**74.1**	0	0	0	0
15	0.2	0.1	0.2	0.2	**74.0**	**73.9**	**73.9**	**73.9**	0	0	0	0
16	0.1	0.1	0.1	0.1	**73.9**	**73.9**	**73.9**	**73.9**	0	0	0	0
17	0.5	0.4	0.4	0.4	**74.1**	**74.0**	**74.1**	**74.1**	0	0	0	0
18	0.2	0.1	0.2	0.1	**74.0**	**73.9**	**73.9**	**73.9**	0	0	0	0
19	0.3	0.2	0.2	0.2	**73.9**	**73.9**	**73.9**	**73.9**	0	0	0	0
20	0.1	0.1	0.1	0.1	**73.9**	**73.9**	**73.9**	**73.9**	0	0	0	0
21	0.1	0.1	0.1	0.1	**73.9**	**73.9**	**73.9**	**73.9**	0	0	0	0
22	0.4	0.3	0.3	0.3	**74.1**	**74.0**	**74.0**	**74.0**	0	0	0	0
23	0.3	0.2	0.2	0.2	**74.0**	**73.9**	**74.0**	**73.9**	0	0	0	0
24	0.3	0.2	0.2	0.2	**74.0**	**73.9**	**73.9**	**73.9**	0	0	0	0
25	0.5	0.3	0.4	0.3	**74.1**	**74.0**	**74.0**	**74.0**	0	0	0	0
26	0.3	0.2	0.2	0.2	**73.9**	**73.9**	**73.9**	**73.9**	0	0	0	0
27	0.4	0.3	0.4	0.3	**74.1**	**74.0**	**74.0**	**74.0**	0	0	0	0

Table D3 – 24-hour Average $PM_{2.5}$ Predictions – SIMTA Cumulative												
Receptor ID	**Maximum Incremental 24-hour Average $PM_{2.5}$ Concentration ($\mu g/m^3$)**				**Maximum Cumulative 24-hour Average $PM_{2.5}$ Concentration ($\mu g/m^3$)**				**Number of Additional Exceedance Days Cumulative $PM_{2.5}$ >25$\mu g/m^3$**			
Cumulative Scenario	**A**	**B**	**C1**	**C2**	**A**	**B**	**C1**	**C2**	**A**	**B**	**C1**	**C2**
28	0.2	0.1	0.1	0.1	**73.9**	**73.9**	**73.9**	**73.9**	0	0	0	0
29	0.1	0.1	0.1	0.1	**73.9**	**73.9**	**73.9**	**73.9**	0	0	0	0
30	0.2	0.1	0.1	0.1	**73.9**	**73.9**	**73.9**	**73.9**	0	0	0	0
31	0.1	0.1	0.1	0.1	**73.9**	**73.9**	**73.9**	**73.9**	0	0	0	0
32	0.1	0.1	0.1	0.1	**73.9**	**73.9**	**73.9**	**73.9**	0	0	0	0
33	4.9	3.8	3.7	3.8	**76.8**	**76.2**	**76.1**	**76.2**	**5**	**3**	**3**	**3**
34	0.2	0.1	0.1	0.1	**73.9**	**73.9**	**73.9**	**73.9**	0	0	0	0
35	0.6	0.5	0.5	0.5	**74.2**	**74.1**	**74.1**	**74.1**	0	0	0	0
36	0.2	0.1	0.1	0.1	**73.9**	**73.9**	**73.9**	**73.9**	0	0	0	0
37	0.3	0.2	0.2	0.2	**74.0**	**74.0**	**74.0**	**74.0**	0	0	0	0
38	0.7	0.4	0.5	0.4	**74.3**	**74.1**	**74.1**	**74.1**	0	0	0	0
Boundary Maximum	6.0	4.2	4.3	4.3	**77.6**	**76.5**	**76.5**	**76.6**	**7**	**4**	**4**	**4**

Note: Grey shaded cell indicates exceedance of applicable criterion
Note: Maximum ambient 24-hour average $PM_{2.5}$ background concentration in exceedance of criterion due to bushfire event

Table D4 – Annual Average $PM_{2.5}$ Predictions – SIMTA Cumulative								
Receptor ID	**Incremental Annual Average $PM_{2.5}$ Concentration ($\mu g/m^3$)**				**Cumulative Annual Average $PM_{2.5}$ Concentration ($\mu g/m^3$)**			
Cumulative Scenario	**A**	**B**	**C1**	**C2**	**A**	**B**	**C1**	**C2**
1	0.2	0.1	0.2	0.1	7.8	7.7	7.8	7.7
2	0.3	0.2	0.2	0.2	7.9	7.8	7.8	7.8
3	0.4	0.2	0.2	0.2	8.0	7.8	7.8	7.8
4	0.3	0.2	0.2	0.2	7.9	7.8	7.8	7.8
5	0.1	0.1	0.1	0.1	7.7	7.7	7.7	7.7
6	0.1	0.1	0.1	0.1	7.7	7.7	7.7	7.7
7	0.1	0.1	0.1	0.1	7.7	7.7	7.7	7.7
8	0.1	0.0	0.0	0.0	7.7	7.6	7.6	7.6
9	0.1	0.0	0.1	0.1	7.7	7.6	7.7	7.7
10	0.1	0.1	0.1	0.1	7.7	7.7	7.7	7.7
11	0.2	0.1	0.1	0.1	7.8	7.7	7.7	7.7
12	0.2	0.2	0.2	0.2	7.8	7.8	7.8	7.8
13	0.2	0.2	0.2	0.2	7.8	7.8	7.8	7.8
14	0.3	0.2	0.2	0.2	7.9	7.8	7.8	7.8
15	0.1	0.1	0.1	0.1	7.7	7.7	7.7	7.7
16	0.0	0.0	0.0	0.0	7.6	7.6	7.6	7.6
17	0.2	0.2	0.2	0.2	7.8	7.8	7.8	7.8
18	0.1	0.1	0.1	0.1	7.7	7.7	7.7	7.7
19	0.0	0.0	0.0	0.0	7.6	7.6	7.6	7.6
20	0.0	0.0	0.0	0.0	7.6	7.6	7.6	7.6
21	0.0	0.0	0.0	0.0	7.6	7.6	7.6	7.6
22	0.2	0.1	0.1	0.1	7.8	7.7	7.7	7.7
23	0.1	0.1	0.1	0.1	7.7	7.7	7.7	7.7
24	0.1	0.0	0.0	0.0	7.7	7.6	7.6	7.6
25	0.1	0.1	0.1	0.1	7.7	7.7	7.7	7.7
26	0.1	0.0	0.0	0.0	7.7	7.6	7.6	7.6
27	0.1	0.1	0.1	0.1	7.7	7.7	7.7	7.7

Table D4 – Annual Average $PM_{2.5}$ Predictions – SIMTA Cumulative								
Receptor ID	**Incremental Annual Average $PM_{2.5}$ Concentration ($\mu g/m^3$)**				**Cumulative Annual Average $PM_{2.5}$ Concentration ($\mu g/m^3$)**			
Cumulative Scenario	**A**	**B**	**C1**	**C2**	**A**	**B**	**C1**	**C2**
28	0.1	0.0	0.0	0.0	7.7	7.6	7.6	7.6
29	0.0	0.0	0.0	0.0	7.6	7.6	7.6	7.6
30	0.1	0.0	0.1	0.0	7.7	7.6	7.7	7.6
31	0.0	0.0	0.0	0.0	7.6	7.6	7.6	7.6
32	0.0	0.0	0.0	0.0	7.6	7.6	7.6	7.6
33	2.6	2.0	1.9	2.0	**10.2**	**9.6**	**9.5**	**9.6**
34	0.1	0.0	0.1	0.1	7.7	7.6	7.7	7.7
35	0.3	0.2	0.2	0.2	7.9	7.8	7.8	7.8
36	0.1	0.0	0.0	0.0	7.7	7.6	7.6	7.6
37	0.1	0.1	0.1	0.1	7.7	7.7	7.7	7.7
38	0.4	0.2	0.3	0.2	8.0	7.8	7.9	7.8
Boundary Maximum	3.2	2.2	2.3	2.3	**10.8**	**9.8**	**9.9**	**9.9**

Table D5 – Incremental 1-hour Average NO_x and Incremental and Cumulative 1-hour Average NO_2 Predictions – SIMTA Cumulative												
Receptor ID	**Maximum Incremental 1-hour Average NO_X Concentration ($\mu g/m^3$)**				**Maximum Incremental 1-hour Average NO_2 Concentration ($\mu g/m^3$)**				**Maximum Cumulative 1-hour Average NO_2 Concentration ($\mu g/m^3$)**			
Cumulative Scenario	**A**	**B**	**C1**	**C2**	**A**	**B**	**C1**	**C2**	**A**	**B**	**C1**	**C2**
1	29.3	15.6	16.7	14.7	28.3	15.6	16.0	14.7	114.8	114.8	114.8	114.8
2	37.4	18.9	20.8	18.0	32.2	17.6	19.4	16.2	119.1	114.8	114.8	114.8
3	44.8	21.9	24.5	21.1	37.7	20.6	22.6	18.9	119.5	114.8	114.8	114.8
4	54.5	28.4	33.7	31.3	54.3	28.4	33.2	30.9	118.9	114.8	114.8	114.8
5	37.8	20.8	23.9	23.4	34.7	20.8	22.9	22.8	114.8	114.8	114.8	114.8
6	47.0	26.0	30.1	29.6	47.0	25.8	30.1	29.6	114.8	114.8	114.8	114.8
7	25.5	14.1	15.0	14.9	25.1	14.1	15.0	14.9	114.8	114.8	114.8	114.8
8	22.9	12.9	15.3	16.1	22.9	12.9	15.3	16.1	114.8	114.8	114.8	114.8
9	28.3	16.7	19.7	20.3	28.3	16.7	19.5	20.1	114.8	114.8	114.8	114.8
10	14.8	8.1	9.3	9.4	14.3	8.1	9.3	9.4	114.8	114.8	114.8	114.8
11	29.7	15.7	18.8	18.5	16.6	10.4	11.5	11.5	114.8	114.8	114.8	114.8
12	21.8	13.5	14.9	14.5	16.6	10.3	11.2	11.2	114.8	114.8	114.8	114.8
13	22.6	13.5	15.5	15.2	16.3	10.4	11.5	11.5	114.8	114.8	114.8	114.8
14	30.2	19.1	21.7	22.4	21.9	13.0	14.4	14.6	114.8	114.8	114.8	114.8
15	27.6	16.0	18.9	19.5	25.3	16.0	18.9	19.5	114.8	114.8	114.8	114.8
16	25.2	14.0	15.8	16.8	25.0	14.0	15.8	16.8	114.8	114.8	114.8	114.8
17	27.9	17.3	19.8	19.1	18.9	11.9	12.9	12.9	114.8	114.8	114.8	114.8
18	29.9	14.6	17.1	13.8	26.3	12.7	13.8	12.8	114.8	114.8	114.8	114.8
19	36.6	21.5	24.8	26.1	34.0	20.1	22.9	24.2	114.8	114.8	114.8	114.8
20	20.2	11.5	13.5	14.2	20.2	11.5	13.5	14.2	114.8	114.8	114.8	114.8
21	26.2	15.5	17.9	18.0	25.2	15.5	17.9	18.0	114.8	114.8	114.8	114.8
22	23.3	14.0	15.9	15.6	14.4	8.4	9.6	9.4	114.8	114.8	114.8	114.8
23	18.2	10.3	12.3	12.2	11.8	7.9	8.9	8.7	114.8	114.8	114.8	114.8
24	32.2	17.4	20.5	20.2	31.1	17.4	20.5	20.2	114.8	114.8	114.8	114.8
25	44.7	24.6	28.6	28.1	42.7	24.6	28.6	28.1	114.8	114.8	114.8	114.8
26	30.6	17.4	19.9	19.5	30.2	17.1	19.5	19.1	114.8	114.8	114.8	114.8
27	45.2	23.9	27.8	26.6	43.1	23.6	27.6	26.6	114.8	114.8	114.8	114.8

Table D5 – Incremental 1-hour Average NO_x and Incremental and Cumulative 1-hour Average NO_2 Predictions – SIMTA Cumulative												
Receptor ID	**Maximum Incremental 1-hour Average NO_X Concentration ($\mu g/m^3$)**				**Maximum Incremental 1-hour Average NO_2 Concentration ($\mu g/m^3$)**				**Maximum Cumulative 1-hour Average NO_2 Concentration ($\mu g/m^3$)**			
Cumulative Scenario	**A**	**B**	**C1**	**C2**	**A**	**B**	**C1**	**C2**	**A**	**B**	**C1**	**C2**
28	26.1	14.2	16.7	16.3	24.9	14.1	16.0	15.5	114.8	114.8	114.8	114.8
29	19.0	10.9	12.0	11.6	19.0	10.8	12.0	11.6	114.8	114.8	114.8	114.8
30	18.8	11.5	11.6	11.7	18.2	11.5	11.6	11.7	114.8	114.8	114.8	114.8
31	10.3	4.8	5.8	5.3	10.3	4.8	5.8	5.3	114.8	114.8	114.8	114.8
32	16.9	10.2	10.8	10.5	14.0	10.2	10.8	10.5	114.8	114.8	114.8	114.8
33	180.8	139.6	134.9	140.4	80.5	68.9	68.6	69.0	138.3	134.5	134.1	134.6
34	29.6	17.4	19.8	19.7	25.5	17.4	19.8	19.7	114.8	114.8	114.8	114.8
35	22.0	13.7	14.8	14.4	19.3	12.1	12.8	12.7	114.8	114.8	114.8	114.8
36	28.3	16.3	18.8	19.4	28.1	16.2	18.6	18.9	114.8	114.8	114.8	114.8
37	15.6	9.0	10.0	10.0	14.0	8.1	9.1	9.1	114.8	114.8	114.8	114.8
38	46.1	23.3	26.0	23.0	41.1	21.0	23.1	20.8	119.8	114.8	114.8	114.8
Boundary Maximum	233.8	167.3	183.8	186.1	103.3	81.2	87.5	88.9	143.4	138.3	139.3	139.6

Note: NO_2 concentrations converted from NO_x predictions using the OLM approach

Table D5 – Incremental Annual Average NO_x and Incremental and Cumulative Annual Average NO_2 Predictions – SIMTA Cumulative												
Receptor ID	**Maximum Incremental Annual Average NO_X Concentration ($\mu g/m^3$)**				**Maximum Incremental Annual Average NO_2 Concentration ($\mu g/m^3$)**				**Maximum Cumulative Annual Average NO_2 Concentration ($\mu g/m^3$)**			
Cumulative Scenario	**A**	**B**	**C1**	**C2**	**A**	**B**	**C1**	**C2**	**A**	**B**	**C1**	**C2**
1	5.6	3.0	3.2	2.8	3.4	1.9	2.1	1.8	26.1	24.6	24.8	24.5
2	7.6	3.9	4.2	3.6	4.4	2.5	2.7	2.3	27.1	25.1	25.3	25.0
3	9.2	4.6	5.0	4.3	5.2	2.9	3.1	2.7	27.9	25.6	25.8	25.4
4	8.0	4.0	4.4	3.9	4.6	2.6	2.8	2.6	27.3	25.3	25.5	25.3
5	2.5	1.3	1.5	1.4	1.9	1.0	1.1	1.1	24.6	23.7	23.8	23.8
6	3.8	2.0	2.2	2.1	2.6	1.5	1.6	1.5	25.3	24.2	24.3	24.2
7	3.1	1.7	1.9	1.8	2.0	1.2	1.3	1.3	24.7	23.9	24.0	24.0
8	1.8	1.0	1.1	1.1	1.2	0.7	0.8	0.8	23.9	23.4	23.5	23.5
9	2.1	1.1	1.3	1.2	1.3	0.8	0.9	0.9	24.0	23.5	23.6	23.6
10	2.7	1.5	1.7	1.7	1.7	1.0	1.1	1.1	24.4	23.7	23.8	23.8
11	3.8	2.4	2.6	2.6	2.3	1.5	1.6	1.6	25.0	24.2	24.3	24.3
12	4.2	2.6	2.8	2.8	2.5	1.7	1.8	1.8	25.2	24.4	24.5	24.5
13	4.0	2.5	2.7	2.7	2.4	1.6	1.7	1.7	25.1	24.3	24.4	24.4
14	5.6	3.2	3.4	3.2	3.3	2.1	2.1	2.0	26.0	24.8	24.8	24.7
15	2.5	1.3	1.5	1.5	1.6	1.0	1.1	1.0	24.3	23.6	23.8	23.7
16	0.6	0.3	0.4	0.4	0.4	0.2	0.3	0.3	23.1	22.9	23.0	23.0
17	4.5	2.8	3.1	3.1	2.7	1.8	1.9	1.9	25.4	24.5	24.6	24.6
18	2.6	1.5	1.6	1.4	1.7	1.0	1.1	1.0	24.4	23.7	23.8	23.7
19	1.2	0.6	0.7	0.7	0.8	0.5	0.5	0.5	23.5	23.2	23.2	23.2
20	1.2	0.7	0.8	0.7	0.9	0.5	0.6	0.6	23.6	23.2	23.3	23.2
21	1.0	0.6	0.6	0.6	0.8	0.4	0.5	0.5	23.5	23.1	23.2	23.2
22	3.3	2.0	2.2	2.2	2.0	1.3	1.4	1.4	24.7	24.0	24.1	24.1
23	2.3	1.4	1.5	1.5	1.5	0.9	1.0	1.0	24.1	23.6	23.7	23.7
24	1.3	0.7	0.8	0.7	1.0	0.6	0.6	0.6	23.7	23.3	23.3	23.3
25	3.6	1.8	2.1	1.9	2.5	1.4	1.6	1.5	25.2	24.1	24.3	24.2
26	1.2	0.7	0.7	0.7	0.9	0.5	0.6	0.5	23.6	23.2	23.3	23.2
27	3.5	1.8	2.0	1.8	2.4	1.4	1.5	1.4	25.1	24.0	24.2	24.0

Table D5 – Incremental Annual Average NO_x and Incremental and Cumulative Annual Average NO_2 Predictions – SIMTA Cumulative												
Receptor ID	**Maximum Incremental Annual Average NO_X Concentration ($\mu g/m^3$)**				**Maximum Incremental Annual Average NO_2 Concentration ($\mu g/m^3$)**				**Maximum Cumulative Annual Average NO_2 Concentration ($\mu g/m^3$)**			
Cumulative Scenario	**A**	**B**	**C1**	**C2**	**A**	**B**	**C1**	**C2**	**A**	**B**	**C1**	**C2**
28	1.4	0.7	0.8	0.7	1.0	0.6	0.6	0.6	23.7	23.3	23.3	23.3
29	1.2	0.6	0.7	0.6	0.9	0.5	0.5	0.5	23.6	23.2	23.2	23.2
30	1.6	0.9	1.0	0.9	1.1	0.7	0.7	0.7	23.8	23.4	23.4	23.4
31	1.1	0.6	0.6	0.6	0.8	0.4	0.5	0.4	23.5	23.1	23.2	23.1
32	1.0	0.5	0.6	0.5	0.7	0.4	0.4	0.4	23.4	23.1	23.1	23.1
33	42.6	30.7	29.4	31.0	14.8	12.2	11.8	12.3	37.5	34.9	34.5	34.9
34	2.2	1.2	1.3	1.3	1.5	0.8	0.9	0.9	24.2	23.5	23.6	23.6
35	4.9	3.1	3.2	3.1	3.0	2.0	2.0	2.0	25.7	24.7	24.7	24.7
36	1.3	0.7	0.8	0.8	0.9	0.5	0.6	0.6	23.6	23.2	23.3	23.3
37	2.7	1.6	1.7	1.6	1.8	1.1	1.2	1.1	24.5	23.8	23.9	23.8
38	10.2	5.0	5.6	4.9	5.6	3.1	3.4	3.0	28.3	25.8	26.1	25.7
Boundary Maximum	59.7	42.3	46.3	47.0	19.1	15.2	16.0	16.2	41.8	37.9	38.7	38.9

Note: NO_2 concentrations converted from NO_x predictions using the OLM approach