

APPENDIX 7.12

**ENERGY CENTRE PREDICTED
CONCENTRATIONS**

APPENDIX 7.12 ENERGY CENTRE PREDICTED CONCENTRATIONS

Table 7.12.1: Maximum Predicted Process Contribution (PC)

Receptor	(µg/m ³)	
	Annual Mean NO ₂	Hourly Mean NO ₂
B3 GF	0.04	1.0
B3 9th	0.04	1.5
B4 GF	0.05	1.1
B4 6th	0.00	0.0
B5 B GF	0.00	0.0
B5 B 9th	0.04	1.1
B5 C GF	0.06	1.3
B5 C 9th	0.05	1.1
C1 GF	0.07	3.1
C1 6th	0.06	1.1
C2 A GF	0.06	1.1
C2 A 8th	0.08	1.1
C2 B GF	0.08	1.1
C2 B 8th	0.09	1.2
C3 GF	0.09	1.2
C3 5th	0.05	1.0
C4 B GF	0.05	1.0
C4 B 8th	0.03	0.9
CD1 A GF	0.04	0.9
CD1 A 10th	0.12	1.2
CD1 A 9th	0.14	4.3
CD1 B GF	0.46	20.8
CD1 B 10th	0.12	1.2
CD1 B 9th	0.09	1.5
CD1 C GF	0.16	9.3
CD1 C 10th	0.12	1.2
CD1 C 9th	0.15	1.8
CE2 A GF	0.26	6.6
CE2 A 10th	0.08	1.1
CE2 A 9th	0.12	2.2
CE2 B GF	0.13	2.7
CE2 B 10th	0.11	1.2
CE2 B 9th	0.12	3.0

- Deleted: 0.05
- Deleted: 1.2
- Deleted: 0.05
- Deleted: 1.2
- Deleted: 0.06
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- Deleted: 0.06
- Deleted: 1.2
- Deleted: 0.06
- Deleted: 1.2
- Deleted: 0.07
- Deleted: 1.3
- Deleted: 0.07
- Deleted: 1.3
- Deleted: 0.10
- Deleted: 3.0
- Deleted: 0.05
- Deleted: 1.4
- Deleted: 0.05
- Deleted: 1.4
- Deleted: 0.08
- Deleted: 1.4
- Deleted: 0.08
- Deleted: 1.4
- Deleted: 0.08
- Deleted: 1.4
- Deleted: 0.08
- Deleted: 1.4
- Deleted: 0.06
- Deleted: 1.3
- Deleted: 0.06
- Deleted: 1.3
- Deleted: 0.04
- Deleted: 1.2
- Deleted: 0.04
- Deleted: 1.2
- Deleted: 0.11
- Deleted: 1.4
- Deleted: 0.08
- Deleted: 3.0
- Deleted: 0.11
- Deleted: 1.4
- Deleted: 0.11
- Deleted: 1.4
- Deleted: 0.34
- Deleted: 27.4
- Deleted: 0.11
- Deleted: 1.4
- Deleted: 0.11
- Deleted: 1.4
- Deleted: 0.30
- Deleted: 14.2
- Deleted: 0.18
- Deleted: 3.7
- Deleted: 0.10
- Deleted: 1.4

D1 A GF	0.15	4.6
D1 A 9th	0.14	1.3
D1 B GF	0.11	1.9
D1 B 9th	0.14	1.3
D1 C GF	0.10	1.3
D1 C 9th	0.14	1.3
D1 D GF	0.19	4.5
D1 D 9th	0.11	1.2
D2 A GF	0.19	7.6
D2 A 8th	0.13	1.3
E2 A GF	0.15	1.3
E2 A 9th	0.03	1.1
E2 B GF	0.03	1.1
E2 B 9th	0.04	1.1
D3 GF	0.12	1.2
D3 1st	0.12	1.2
D3 2nd	0.12	1.2
C6 GF	0.12	1.2
C6 1st	0.12	1.2
C6 2nd	0.12	1.2
Objectives	40	200

Table 7.12.2: Maximum Predicted Environmental Concentration (PEC)

Receptor	NO ₂ (µg/m ³)					
	Annual Mean			Hourly Mean		
	PC	Baseline	Total	PC	Baseline	Total
B3 GF	0.04	27.9	28.0	1.0	55.9	56.9
B3 10th	0.04	26.3	26.4	1.5	52.7	54.2
B3 9th	0.05	26.5	26.5	1.1	52.9	54.0
B4 GF	0.00	28.1	28.1	0.0	56.2	56.2
B4 6th	0.00	25.5	25.5	0.0	51.1	51.1
B5 B GF	0.04	27.5	27.5	1.1	55.0	56.1
B5 B 9th	0.06	25.5	25.5	1.3	51.0	52.3
B5 C GF	0.05	27.7	27.7	1.1	55.3	56.4
B5 C 9th	0.07	25.5	25.6	3.1	51.0	54.1
C1 GF	0.06	26.8	26.8	1.1	53.5	54.6
C1 6th	0.06	26.1	26.2	1.1	52.2	53.3
C2 A GF	0.08	27.1	27.2	1.1	54.3	55.4
C2 A 8th	0.08	25.9	26.0	1.1	51.8	52.9

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- Deleted: 1.5
- Deleted: 0.15
- Deleted: 1.5
- Deleted: 0.15
- Deleted: 1.5
- Deleted: 0.15
- Deleted: 1.5
- Deleted: 0.16
- Deleted: 1.6
- Deleted: 0.19
- Deleted: 3.5
- Deleted: 0.11
- Deleted: 1.4
- Deleted: 0.11
- Deleted: 1.4
- Deleted: 1.4
- Deleted: 0.13
- Deleted: 1.6
- Deleted: 0.15
- Deleted: 2.3
- Deleted: 0.11
- Deleted: 1.4
- Deleted: 0.44
- Deleted: 9.9
- Deleted: 0.10
- Deleted: 1.4
- Deleted: 0.42
- Deleted: 9.4
- Deleted: 0.03
- Deleted: 1.2
- Deleted: 0.03
- Deleted: 1.2
- Deleted: 0.03
- Deleted: 1.2
- Deleted: 0.02
- Deleted: 1.4
- Deleted: 0.02
- Deleted: 1.4
- Deleted: 0.02
- Deleted: 1.4
- Deleted: 0.05
- Deleted: 27.9
- Deleted: 28.0
- Deleted: 1.2
- Deleted: 55.9
- Deleted: 57.1
- Deleted: 0.06
- Deleted: 26.1
- Deleted: 26.2
- Deleted: 2.9
- Deleted: 52.3
- Deleted: 55.2
- Deleted: 0.05
- Deleted: 26.3
- Deleted: 26.4
- Deleted: 1.2

C2 B GF	0.09	26.9	27.0	1.2	53.8	55.0
C2 B 8th	0.09	25.8	25.9	1.2	51.6	52.8
C3 GF	0.05	26.9	27.0	1.0	53.8	54.8
C3 5th	0.05	26.5	26.5	1.0	52.9	53.9
C4 B GF	0.03	27.7	27.7	0.9	55.3	56.2
C4 B 8th	0.04	26.7	26.7	0.9	53.3	54.2
CD1 A GF	0.12	27.7	27.8	1.2	55.4	56.6
CD1 A 10th	0.14	25.5	25.6	4.3	51.0	55.3
CD1 A 9th	0.46	25.3	25.7	20.8	50.5	71.3
CD1 B GF	0.12	27.5	27.6	1.2	55.0	56.2
CD1 B 10th	0.09	25.5	25.6	1.5	51.0	52.5
CD1 B 9th	0.16	25.3	25.4	9.3	50.5	59.8
CD1 C GF	0.12	27.3	27.4	1.2	54.6	55.7
CD1 C 10th	0.15	25.5	25.6	1.8	50.9	52.8
CD1 C 9th	0.26	25.2	25.5	6.6	50.5	57.1
CE2 A GF	0.08	29.1	29.2	1.1	58.2	59.3
CE2 A 10th	0.12	25.6	25.7	2.2	51.2	53.4
CE2 A 9th	0.13	25.3	25.4	2.7	50.6	53.3
CE2 B GF	0.11	28.6	28.7	1.2	57.1	58.3
CE2 B 10th	0.12	25.6	25.7	3.0	51.1	54.1
CE2 B 9th	0.15	25.3	25.5	4.6	50.6	55.2
D1 A GF	0.14	27.5	27.6	1.3	55.0	56.3
D1 A 9th	0.11	25.5	25.6	1.9	51.0	52.9
D1 B GF	0.14	27.3	27.4	1.3	54.6	55.9
D1 B 9th	0.10	25.5	25.6	1.3	50.9	52.2
D1 C GF	0.14	27.2	27.3	1.3	54.3	55.6
D1 C 9th	0.19	25.4	25.6	4.5	50.9	55.4
D1 D GF	0.11	27.3	27.5	1.2	54.7	55.9
D1 D 9th	0.19	25.5	25.7	7.6	50.9	58.5
D2 A GF	0.13	27.0	27.1	1.3	54.0	55.3
D2 A 8th	0.15	25.8	26.0	1.3	51.6	52.9
E2 A GF	0.03	27.1	27.1	1.1	54.2	55.3
E2 A 9th	0.03	26.9	27.0	1.1	53.8	55.0
E2 B GF	0.04	26.7	26.7	1.1	53.4	54.5
E2 B 9th	0.12	27.7	27.8	1.2	55.3	56.5
D3 GF	0.12	27.0	27.1	1.2	53.9	55.1
D3 1st	0.12	27.5	27.7	1.2	55.1	56.3
D3 2nd	0.12	26.9	27.0	1.2	53.8	54.9
C6 GF	0.12	27.6	27.7	1.2	55.2	56.3
C6 1st	0.12	26.9	27.0	1.2	53.8	55.0
C6 2nd	0.12	27.5	27.6	1.2	54.9	56.1

- Deleted: 0.08
- Deleted: 26.9
- Deleted: 27.0
- Deleted: 1.4
- Deleted: 53.8
- Deleted: 55.2
- Deleted: 0.08
- Deleted: 25.6
- Deleted: 25.7
- Deleted: 1.4
- Deleted: 51.2
- Deleted: 52.6
- Deleted: 0.06
- Deleted: 26.9
- Deleted: 27.0
- Deleted: 1.3
- Deleted: 53.8
- Deleted: 55.1
- Deleted: 0.06
- Deleted: 26.3
- Deleted: 26.3
- Deleted: 1.3
- Deleted: 52.5
- Deleted: 53.8
- Deleted: 0.04
- Deleted: 27.7
- Deleted: 27.7
- Deleted: 1.2
- Deleted: 55.3
- Deleted: 56.6
- Deleted: 0.04
- Deleted: 26.5
- Deleted: 26.5
- Deleted: 1.2
- Deleted: 53.0
- Deleted: 54.2
- Deleted: 0.11
- Deleted: 27.7
- Deleted: 27.8
- Deleted: 1.4
- Deleted: 55.5
- Deleted: 56.9
- Deleted: 0.08
- Deleted: 25.3
- Deleted: 25.4
- Deleted: 3.0
- Deleted: 50.5
- Deleted: 53.5
- Deleted: 0.11
- Deleted: 25.5
- Deleted: 25.6
- Deleted: 1.4
- Deleted: 51.0
- Deleted: 52.5
- Deleted: 52.5
- Deleted: 0.11
- Deleted: 27.5

Objectives	40	200
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February
2017