

APPENDIX A8-3

Air Quality Modelled Prediction

Shannon LNG Limited
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Shannon Technology and Energy Park
Environmental Impact Assessment Report

Appendix A8-3 – Air Quality Modelled Prediction

A. Baseline Air Quality Predictions

Table A8-3.1 and Table A8-3.2 provides predicted existing baseline air quality at receptors located within 200 m of the roads from which vehicle emissions have been used in the assessment. For receptors not located within 200 m of a road included in the air quality model, existing baseline concentrations remain consistent with the ambient background concentration data sourced from secondary sources (see Table A8-3.6). For pollutants not considered as primary pollutants from road traffic emissions, baseline concentrations also remain consistent with the ambient background concentration data sourced from secondary sources.

Table A8-3.1: Modelled Baseline Air Quality Statistics – Human Health Sensitive Receptors¹

Receptor	Annual Mean Road Contribution (µg/m ³)			Ambient Background (µg/m ³)			Annual Mean Total Concentration (µg/m ³)		
	NO ₂	PM ₁₀	PM _{2.5}	NO ₂	PM ₁₀	PM _{2.5}	NO ₂	PM ₁₀	PM _{2.5}
<i>2019 Existing Baseline</i>									
R3	0.2	<0.1	<0.1	4.3	9.0	4.0	4.5	9.0	4.0
R5	0.4	0.1	0.1	4.3	9.0	4.0	4.7	9.1	4.1
R9	0.1	<0.1	<0.1	4.3	9.0	4.0	4.5	9.0	4.0
R10	0.4	0.1	0.1	4.3	9.0	4.0	4.7	9.1	4.1
R13	0.1	<0.1	<0.1	4.3	9.0	4.0	4.5	9.0	4.0
R14	0.1	<0.1	<0.1	4.3	9.0	4.0	4.5	9.0	4.0
R15	<0.1	<0.1	<0.1	4.3	9.0	4.0	4.4	9.0	4.0
R16	0.1	<0.1	<0.1	4.3	9.0	4.0	4.5	9.0	4.0
R18	<0.1	<0.1	<0.1	4.3	9.0	4.0	4.4	9.0	4.0
R20	<0.1	<0.1	<0.1	4.3	9.0	4.0	4.4	9.0	4.0
R22	0.1	<0.1	<0.1	4.3	9.0	4.0	4.5	9.0	4.0
R25	0.6	0.1	0.1	4.3	9.0	4.0	4.9	9.1	4.1
R27	0.5	0.1	0.1	4.3	9.0	4.0	4.9	9.1	4.1
R33	<0.1	<0.1	<0.1	4.3	9.0	4.0	4.4	9.0	4.0
R36	0.1	<0.1	<0.1	4.3	9.0	4.0	4.4	9.0	4.0
R38	<0.1	<0.1	<0.1	4.3	9.0	4.0	4.4	9.0	4.0
R39	0.2	<0.1	<0.1	4.3	9.0	4.0	4.5	9.0	4.0
R40	0.2	<0.1	<0.1	4.3	9.0	4.0	4.5	9.0	4.0
R41	0.3	0.1	0.1	4.3	9.0	4.0	4.6	9.1	4.1
R44	0.5	0.1	0.1	4.3	9.0	4.0	4.9	9.1	4.1
R46	0.2	<0.1	<0.1	4.3	9.0	4.0	4.5	9.0	4.0
R48	8.5	1.9	1.9	4.3	9.0	4.0	12.8	10.9	5.9
<i>2025 Baseline</i>									
R3	0.1	<0.1	<0.1	4.3	9.0	4.0	4.4	9.0	4.0
R5	0.3	0.1	0.1	4.3	9.0	4.0	4.6	9.1	4.1
R9	0.1	<0.1	<0.1	4.3	9.0	4.0	4.4	9.0	4.0
R10	0.2	0.1	0.1	4.3	9.0	4.0	4.6	9.1	4.1
R13	0.1	<0.1	<0.1	4.3	9.0	4.0	4.4	9.0	4.0
R14	0.1	<0.1	<0.1	4.3	9.0	4.0	4.4	9.0	4.0

Receptor	Annual Mean Road Contribution ($\mu\text{g}/\text{m}^3$)			Ambient Background ($\mu\text{g}/\text{m}^3$)			Annual Mean Total Concentration ($\mu\text{g}/\text{m}^3$)		
	NO ₂	PM ₁₀	PM _{2.5}	NO ₂	PM ₁₀	PM _{2.5}	NO ₂	PM ₁₀	PM _{2.5}
R15	<0.1	<0.1	<0.1	4.3	9.0	4.0	4.4	9.0	4.0
R16	0.1	<0.1	<0.1	4.3	9.0	4.0	4.4	9.0	4.0
R18	<0.1	<0.1	<0.1	4.3	9.0	4.0	4.4	9.0	4.0
R20	<0.1	<0.1	<0.1	4.3	9.0	4.0	4.4	9.0	4.0
R22	0.1	<0.1	<0.1	4.3	9.0	4.0	4.4	9.0	4.0
R25	0.4	0.1	0.1	4.3	9.0	4.0	4.7	9.1	4.1
R27	0.3	0.1	0.1	4.3	9.0	4.0	4.7	9.1	4.1
R33	<0.1	<0.1	<0.1	4.3	9.0	4.0	4.4	9.0	4.0
R36	0.1	<0.1	<0.1	4.3	9.0	4.0	4.4	9.0	4.0
R38	<0.1	<0.1	<0.1	4.3	9.0	4.0	4.4	9.0	4.0
R39	0.1	<0.1	<0.1	4.3	9.0	4.0	4.5	9.0	4.0
R40	0.1	<0.1	<0.1	4.3	9.0	4.0	4.4	9.0	4.0
R41	0.2	0.1	0.1	4.3	9.0	4.0	4.5	9.1	4.1
R44	0.3	0.1	0.1	4.3	9.0	4.0	4.7	9.1	4.1
R46	0.1	<0.1	<0.1	4.3	9.0	4.0	4.4	9.0	4.0
R48	5.3	1.9	1.9	4.3	9.0	4.0	9.6	10.9	5.9

Notes:

¹ Human health receptors located within 200 m of a modelled road link.

Table A8-3.2: Modelled Baseline Air Quality Statistics – Nature Conservation Sensitive Receptors¹

Receptor	Annual Mean Road Contribution ($\mu\text{g}/\text{m}^3$)			Ambient Background ($\mu\text{g}/\text{m}^3$)			Annual Mean Total Concentration ($\mu\text{g}/\text{m}^3$)		
	NO _x ($\mu\text{g}/\text{m}^3$)	Nitrogen Deposition (kg N/ha/yr)	Acid Deposition (keq/ha/yr)	NO _x ($\mu\text{g}/\text{m}^3$)	Nitrogen Deposition (kg N/ha/yr)	Acid Deposition (keq/ha/yr)	NO _x ($\mu\text{g}/\text{m}^3$)	Nitrogen Deposition (kg N/ha/yr)	Acid Deposition (keq/ha/yr)
<i>2019 Existing Baseline</i>									
E01	0.1	<0.1	N/A ²	8.6	12.0	N/A ²	8.9	12.0	N/A ²
E07	2.0	0.2	N/A ²	8.6	12.0	N/A ²	10.8	12.2	N/A ²
E08	0.4	<0.1	N/A ²	8.6	12.0	N/A ²	9.2	12.0	N/A ²
E09	4.5	0.4	N/A ²	8.6	12.0	N/A ²	13.3	12.4	N/A ²
E17	0.2	<0.1	N/A ²	8.6	12.0	N/A ²	9.0	12.0	N/A ²
E23	1.0	0.1	N/A ²	8.6	12.0	N/A ²	9.8	12.1	N/A ²
<i>2025 Baseline</i>									
E01	<0.1	<0.1	N/A ²	8.6	12.0	N/A ²	8.8	12.0	N/A ²
E07	1.2	0.1	N/A ²	8.6	12.0	N/A ²	10.0	12.1	N/A ²
E08	0.3	<0.1	N/A ²	8.6	12.0	N/A ²	9.1	12.0	N/A ²
E09	2.8	0.2	N/A ²	8.6	12.0	N/A ²	11.6	12.2	N/A ²
E17	0.1	<0.1	N/A ²	8.6	12.0	N/A ²	8.9	12.0	N/A ²
E23	0.6	0.1	N/A ²	8.6	12.0	N/A ²	9.4	12.1	N/A ²
Air Quality Standards	8.6	12	0.5	8.6	Various – see Table 8.8		8.6	Various – see Table 8.8	

Notes:

¹ Nature conservation receptors located within 200 m of a modelled road link.

² No acid deposition sensitive receptors located within 200 m of a modelled road.

B. Operational Air Quality Predictions

The following tables provide operational air quality statistics associated with site emissions at all receptors considered in this assessment, for each Scenario.

Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Table A8-3.3: Predicted Annual Mean NO2 Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	0.4	1.1	4.3	4.8	16.6
R2	0.6	1.5	4.3	4.9	17.0
R3	0.9	2.2	4.3	5.2	17.7
R4	1.0	2.4	4.3	5.3	17.9
R5	1.0	2.6	4.3	5.4	18.1
R6	1.3	3.1	4.3	5.6	18.6
R7	1.2	3.0	4.3	5.6	18.5
R8	1.7	4.3	4.3	6.1	19.8
R9	1.7	4.3	4.3	6.1	19.8
R10	2.2	5.4	4.3	6.5	20.9
R11	1.0	2.6	4.3	5.4	18.1
R12	1.0	2.4	4.3	5.3	17.9
R13	2.9	7.3	4.3	7.3	22.8
R14	3.0	7.5	4.3	7.4	23.0
R15	2.4	6.1	4.3	6.8	21.6
R16	2.7	6.8	4.3	7.1	22.3
R17	1.4	3.6	4.3	5.8	19.1
R18	2.0	4.9	4.3	6.3	20.4
R19	5.7	14.2	4.3	10.0	29.7
R20	2.2	5.6	4.3	6.6	21.1
R21	0.8	2.1	4.3	5.2	17.6
R22	2.4	6.0	4.3	6.7	21.5
R23	1.8	4.4	4.3	6.1	19.9
R24	1.4	3.6	4.3	5.8	19.1
R25	1.9	4.8	4.3	6.3	20.3
R26	5.4	13.4	4.3	9.7	28.9
R27	1.8	4.4	4.3	6.1	19.9
R28	3.1	7.7	4.3	7.4	23.2
R29	3.5	8.8	4.3	7.9	24.3
R30	1.4	3.5	4.3	5.7	19.0
R31	1.3	3.2	4.3	5.6	18.7
R32	1.4	3.4	4.3	5.7	18.9
R33	2.3	5.7	4.3	6.6	21.2

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R34	2.6	6.6	4.3	7.0	22.1
R35	1.4	3.6	4.3	5.8	19.1
R36	1.7	4.2	4.3	6.0	19.7
R37	1.1	2.8	4.3	5.5	18.3
R38	1.9	4.8	4.3	6.3	20.3
R39	1.6	4.0	4.3	6.0	19.5
R40	1.5	3.8	4.3	5.9	19.3
R41	1.4	3.5	4.3	5.7	19.0
R42	1.9	4.7	4.3	6.2	20.2
R43	1.4	3.6	4.3	5.8	19.1
R44	1.3	3.4	4.3	5.7	18.9
R45	1.0	2.5	4.3	5.3	18.0
R46	1.3	3.2	4.3	5.6	18.7
R47	1.0	2.6	4.3	7.2	18.1
R48	1.0	2.6	4.3	7.2	18.1

Table A8-3.4: Predicted Hourly Mean NO₂ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	15.5	7.7	8.7	24.2	12.1
R2	20.2	10.1	8.7	28.9	14.5
R3	25.3	12.7	8.7	34.0	17.0
R4	28.0	14.0	8.7	36.6	18.3
R5	28.6	14.3	8.7	37.3	18.6
R6	38.2	19.1	8.7	46.9	23.5
R7	15.3	7.6	8.7	24.0	12.0
R8	39.0	19.5	8.7	47.7	23.8
R9	32.9	16.4	8.7	41.6	20.8
R10	38.4	19.2	8.7	47.1	23.6
R11	24.6	12.3	8.7	33.3	16.6
R12	15.0	7.5	8.7	23.7	11.8
R13	46.7	23.4	8.7	55.4	27.7
R14	50.1	25.0	8.7	58.8	29.4
R15	42.6	21.3	8.7	51.2	25.6
R16	46.3	23.1	8.7	55.0	27.5
R17	26.8	13.4	8.7	35.5	17.7
R18	33.0	16.5	8.7	41.7	20.8
R19	59.7	29.8	8.7	68.4	34.2
R20	34.7	17.3	8.7	43.4	21.7
R21	22.2	11.1	8.7	30.9	15.5
R22	33.5	16.8	8.7	42.2	21.1

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R23	27.0	13.5	8.7	35.7	17.8
R24	24.8	12.4	8.7	33.5	16.7
R25	26.8	13.4	8.7	35.5	17.8
R26	48.4	24.2	8.7	57.1	28.6
R27	23.1	11.5	8.7	31.8	15.9
R28	31.9	16.0	8.7	40.6	20.3
R29	35.1	17.6	8.7	43.8	21.9
R30	20.3	10.2	8.7	29.0	14.5
R31	19.9	1<0.1	8.7	28.6	14.3
R32	20.8	10.4	8.7	29.5	14.7
R33	27.1	13.6	8.7	35.8	17.9
R34	29.2	14.6	8.7	37.9	18.9
R35	18.9	9.4	8.7	27.6	13.8
R36	21.7	10.9	8.7	30.4	15.2
R37	22.0	11.0	8.7	30.7	15.3
R38	23.4	11.7	8.7	32.1	16.0
R39	21.3	10.7	8.7	30.0	15.0
R40	18.7	9.4	8.7	27.4	13.7
R41	16.1	8.1	8.7	24.8	12.4
R42	17.8	8.9	8.7	26.5	13.3
R43	16.8	8.4	8.7	25.4	12.7
R44	15.2	7.6	8.7	23.9	12.0
R45	15.1	7.5	8.7	23.8	11.9
R46	14.5	7.3	8.7	23.2	11.6
R47	14.0	7.0	8.7	22.7	11.3
R48	14.0	7.0	8.7	22.7	11.3

Table A8-3.5: Predicted Annual Mean PM₁₀ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	<0.1	<0.1	9.0	9.0	22.5
R2	<0.1	<0.1	9.0	9.0	22.5
R3	<0.1	<0.1	9.0	9.0	22.5
R4	<0.1	0.1	9.0	9.0	22.6
R5	<0.1	0.1	9.0	9.0	22.6
R6	<0.1	0.1	9.0	9.0	22.6
R7	<0.1	0.1	9.0	9.0	22.6
R8	<0.1	0.1	9.0	9.0	22.6

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R9	<0.1	0.1	9.0	9.0	22.6
R10	<0.1	0.1	9.0	9.0	22.6
R11	<0.1	0.1	9.0	9.0	22.6
R12	<0.1	0.1	9.0	9.0	22.6
R13	<0.1	0.1	9.0	9.0	22.6
R14	0.1	0.1	9.0	9.1	22.6
R15	0.1	0.1	9.0	9.1	22.6
R16	0.1	0.1	9.0	9.1	22.6
R17	<0.1	0.1	9.0	9.0	22.6
R18	0.1	0.1	9.0	9.1	22.6
R19	0.1	0.2	9.0	9.1	22.7
R20	<0.1	0.1	9.0	9.0	22.6
R21	<0.1	<0.1	9.0	9.0	22.5
R22	<0.1	0.1	9.0	9.0	22.6
R23	<0.1	<0.1	9.0	9.0	22.5
R24	<0.1	<0.1	9.0	9.0	22.5
R25	<0.1	0.1	9.0	9.0	22.6
R26	0.1	0.2	9.0	9.1	22.7
R27	<0.1	0.1	9.0	9.0	22.6
R28	0.1	0.1	9.0	9.1	22.6
R29	0.1	0.2	9.0	9.1	22.7
R30	<0.1	0.1	9.0	9.0	22.6
R31	<0.1	0.1	9.0	9.0	22.6
R32	<0.1	0.1	9.0	9.0	22.6
R33	0.1	0.1	9.0	9.1	22.6
R34	0.1	0.1	9.0	9.1	22.6
R35	<0.1	0.1	9.0	9.0	22.6
R36	<0.1	0.1	9.0	9.0	22.6
R37	<0.1	0.1	9.0	9.0	22.6
R38	<0.1	0.1	9.0	9.0	22.6
R39	<0.1	0.1	9.0	9.0	22.6
R40	<0.1	0.1	9.0	9.0	22.6
R41	<0.1	0.1	9.0	9.0	22.6
R42	<0.1	0.1	9.0	9.0	22.6
R43	<0.1	0.1	9.0	9.0	22.6
R44	<0.1	0.1	9.0	9.0	22.6
R45	<0.1	0.1	9.0	9.0	22.6
R46	<0.1	0.1	9.0	9.0	22.6
R47	<0.1	0.1	9.0	9.0	22.6
R48	<0.1	0.1	9.0	9.0	22.6

Table A8-3.6: Predicted Daily Mean PM₁₀ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	0.1	0.3	18.0	18.1	36.3
R2	0.2	0.3	18.0	18.2	36.3
R3	0.2	0.4	18.0	18.2	36.4
R4	0.2	0.5	18.0	18.2	36.5
R5	0.2	0.5	18.0	18.2	36.5
R6	0.4	0.7	18.0	18.4	36.7
R7	0.3	0.6	18.0	18.3	36.6
R8	0.4	0.7	18.0	18.4	36.7
R9	0.3	0.6	18.0	18.3	36.6
R10	0.4	0.7	18.0	18.4	36.7
R11	0.3	0.6	18.0	18.3	36.6
R12	0.3	0.6	18.0	18.3	36.6
R13	0.6	1.2	18.0	18.6	37.2
R14	0.6	1.3	18.0	18.6	37.3
R15	0.7	1.4	18.0	18.7	37.4
R16	0.7	1.4	18.0	18.7	37.4
R17	0.6	1.2	18.0	18.6	37.2
R18	0.7	1.4	18.0	18.7	37.4
R19	0.8	1.7	18.0	18.8	37.7
R20	0.4	0.9	18.0	18.4	36.9
R21	0.2	0.4	18.0	18.2	36.4
R22	0.3	0.6	18.0	18.3	36.6
R23	0.2	0.4	18.0	18.2	36.4
R24	0.2	0.3	18.0	18.2	36.3
R25	0.3	0.7	18.0	18.3	36.7
R26	0.9	1.8	18.0	18.9	37.8
R27	0.5	0.9	18.0	18.5	36.9
R28	0.8	1.6	18.0	18.8	37.6
R29	0.9	1.8	18.0	18.9	37.8
R30	0.3	0.7	18.0	18.3	36.7
R31	0.3	0.6	18.0	18.3	36.6
R32	0.4	0.8	18.0	18.4	36.8
R33	0.7	1.4	18.0	18.7	37.4
R34	0.6	1.2	18.0	18.6	37.2
R35	0.5	1.0	18.0	18.5	37.0
R36	0.5	1.0	18.0	18.5	37.0
R37	0.3	0.5	18.0	18.3	36.5
R38	0.4	0.9	18.0	18.4	36.9
R39	0.4	0.8	18.0	18.4	36.8
R40	0.4	0.7	18.0	18.4	36.7
R41	0.3	0.6	18.0	18.3	36.6

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R42	0.4	0.8	18.0	18.4	36.8
R43	0.4	0.7	18.0	18.4	36.7
R44	0.3	0.6	18.0	18.3	36.6
R45	0.2	0.5	18.0	18.2	36.5
R46	0.3	0.6	18.0	18.3	36.6
R47	0.3	0.5	18.0	18.3	36.5
R48	0.3	0.5	18.0	18.3	36.5

Table A8-3.7: Predicted Annual Mean PM_{2.5} Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R1	<0.1	<0.1	4.0	4.0	16.0
R2	<0.1	0.1	4.0	4.0	16.1
R3	<0.1	0.1	4.0	4.0	16.1
R4	<0.1	0.1	4.0	4.0	16.1
R5	<0.1	0.1	4.0	4.0	16.1
R6	<0.1	0.1	4.0	4.0	16.1
R7	<0.1	0.1	4.0	4.0	16.1
R8	<0.1	0.1	4.0	4.0	16.1
R9	<0.1	0.1	4.0	4.0	16.1
R10	<0.1	0.1	4.0	4.0	16.1
R11	<0.1	0.1	4.0	4.0	16.1
R12	<0.1	0.1	4.0	4.0	16.1
R13	<0.1	0.2	4.0	4.0	16.2
R14	0.1	0.2	4.0	4.1	16.2
R15	0.1	0.2	4.0	4.1	16.2
R16	0.1	0.2	4.0	4.1	16.2
R17	<0.1	0.2	4.0	4.0	16.2
R18	0.1	0.2	4.0	4.1	16.2
R19	0.1	0.3	4.0	4.1	16.3
R20	<0.1	0.2	4.0	4.0	16.2
R21	<0.1	0.1	4.0	4.0	16.1
R22	<0.1	0.1	4.0	4.0	16.1
R23	<0.1	0.1	4.0	4.0	16.1
R24	<0.1	0.1	4.0	4.0	16.1
R25	<0.1	0.1	4.0	4.0	16.1
R26	0.1	0.3	4.0	4.1	16.3
R27	<0.1	0.1	4.0	4.0	16.1
R28	0.1	0.2	4.0	4.1	16.2
R29	0.1	0.3	4.0	4.1	16.3
R30	<0.1	0.1	4.0	4.0	16.1

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R31	<0.1	0.1	4.0	4.0	16.1
R32	<0.1	0.1	4.0	4.0	16.1
R33	0.1	0.2	4.0	4.1	16.2
R34	0.1	0.2	4.0	4.1	16.2
R35	<0.1	0.2	4.0	4.0	16.2
R36	<0.1	0.2	4.0	4.0	16.2
R37	<0.1	0.1	4.0	4.0	16.1
R38	<0.1	0.2	4.0	4.0	16.2
R39	<0.1	0.1	4.0	4.0	16.1
R40	<0.1	0.1	4.0	4.0	16.1
R41	<0.1	0.1	4.0	4.0	16.1
R42	<0.1	0.2	4.0	4.0	16.2
R43	<0.1	0.2	4.0	4.0	16.2
R44	<0.1	0.1	4.0	4.0	16.1
R45	<0.1	0.1	4.0	4.0	16.1
R46	<0.1	0.1	4.0	4.0	16.1
R47	<0.1	0.1	4.0	4.0	16.1
R48	<0.1	0.1	4.0	4.0	16.1

Table A8-3.8: Predicted Rolling 8-hour Maximum CO Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	46.5	0.5	100	146.5	1.5
R2	49.6	0.5	100	149.6	1.5
R3	71.0	0.7	100	171.0	1.7
R4	67.9	0.7	100	167.9	1.7
R5	81.3	0.8	100	181.3	1.8
R6	125.6	1.3	100	225.6	2.3
R7	45.3	0.5	100	145.3	1.5
R8	116.7	1.2	100	216.7	2.2
R9	92.4	0.9	100	192.4	1.9
R10	109.5	1.1	100	209.5	2.1
R11	66.7	0.7	100	166.7	1.7
R12	35.6	0.4	100	135.6	1.4
R13	154.5	1.5	100	254.5	2.5
R14	172.5	1.7	100	272.5	2.7
R15	143.9	1.4	100	243.9	2.4
R16	159.0	1.6	100	259.0	2.6
R17	80.9	0.8	100	180.9	1.8
R18	117.7	1.2	100	217.7	2.2
R19	239.8	2.4	100	339.8	3.4

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R20	118.3	1.2	100	218.3	2.2
R21	69.4	0.7	100	169.4	1.7
R22	120.0	1.2	100	220.0	2.2
R23	96.2	1.0	100	196.2	2.0
R24	77.5	0.8	100	177.5	1.8
R25	132.4	1.3	100	232.4	2.3
R26	168.7	1.7	100	268.7	2.7
R27	106.9	1.1	100	206.9	2.1
R28	97.1	1.0	100	197.1	2.0
R29	116.5	1.2	100	216.5	2.2
R30	89.0	0.9	100	189.0	1.9
R31	65.4	0.7	100	165.4	1.7
R32	79.6	0.8	100	179.6	1.8
R33	79.7	0.8	100	179.7	1.8
R34	73.6	0.7	100	173.6	1.7
R35	53.3	0.5	100	153.3	1.5
R36	60.6	0.6	100	160.6	1.6
R37	48.2	0.5	100	148.2	1.5
R38	59.3	0.6	100	159.3	1.6
R39	56.1	0.6	100	156.1	1.6
R40	43.2	0.4	100	143.2	1.4
R41	39.6	0.4	100	139.6	1.4
R42	45.6	0.5	100	145.6	1.5
R43	39.1	0.4	100	139.1	1.4
R44	39.3	0.4	100	139.3	1.4
R45	35.5	0.4	100	135.5	1.4
R46	38.7	0.4	100	138.7	1.4
R47	40.0	0.4	100	140.0	1.4
R48	40.0	0.4	100	140.0	1.4

Table A8-3.9: Predicted 1-hour Maximum CO Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	93.0	0.3	0.1	93.1	0.3
R2	128.1	0.4	0.1	128.2	0.4
R3	141.0	0.5	0.1	141.1	0.5
R4	150.3	0.5	0.1	150.4	0.5
R5	155.1	0.5	0.1	155.2	0.5
R6	169.8	0.6	0.1	169.9	0.6
R7	81.8	0.3	0.1	81.9	0.3
R8	193.1	0.6	0.1	193.2	0.6

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R9	165.0	0.6	0.1	165.1	0.6
R10	184.6	0.6	0.1	184.7	0.6
R11	175.1	0.6	0.1	175.2	0.6
R12	84.6	0.3	0.1	84.7	0.3
R13	213.6	0.7	0.1	213.7	0.7
R14	221.5	0.7	0.1	221.6	0.7
R15	188.9	0.6	0.1	189.0	0.6
R16	209.7	0.7	0.1	209.8	0.7
R17	157.2	0.5	0.1	157.3	0.5
R18	182.1	0.6	0.1	182.2	0.6
R19	261.1	0.9	0.1	261.2	0.9
R20	165.9	0.6	0.1	166.0	0.6
R21	154.0	0.5	0.1	154.1	0.5
R22	150.9	0.5	0.1	151.0	0.5
R23	130.0	0.4	0.1	130.1	0.4
R24	146.6	0.5	0.1	146.7	0.5
R25	132.4	0.4	0.1	132.5	0.4
R26	216.4	0.7	0.1	216.5	0.7
R27	110.9	0.4	0.1	111.0	0.4
R28	158.7	0.5	0.1	158.8	0.5
R29	172.4	0.6	0.1	172.5	0.6
R30	132.0	0.4	0.1	132.1	0.4
R31	122.6	0.4	0.1	122.7	0.4
R32	133.4	0.4	0.1	133.5	0.4
R33	135.9	0.5	0.1	136.0	0.5
R34	196.5	0.7	0.1	196.6	0.7
R35	98.1	0.3	0.1	98.2	0.3
R36	114.2	0.4	0.1	114.3	0.4
R37	122.2	0.4	0.1	122.3	0.4
R38	174.5	0.6	0.1	174.6	0.6
R39	134.0	0.4	0.1	134.1	0.4
R40	130.4	0.4	0.1	130.5	0.4
R41	115.4	0.4	0.1	115.5	0.4
R42	103.3	0.3	0.1	103.4	0.3
R43	104.6	0.3	0.1	104.7	0.3
R44	112.0	0.4	0.1	112.1	0.4
R45	85.6	0.3	0.1	85.7	0.3
R46	106.4	0.4	0.1	106.5	0.4
R47	120.8	0.4	0.1	120.9	0.4
R48	120.8	0.4	0.1	120.9	0.4

Table A8-3.10: Predicted Daily Mean SO₂ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	0.1	0.1	2.6	2.7	2.2
R2	0.1	0.1	2.6	2.7	2.2
R3	0.1	0.1	2.6	2.7	2.2
R4	0.1	0.1	2.6	2.7	2.2
R5	0.1	0.1	2.6	2.7	2.2
R6	0.2	0.2	2.6	2.8	2.2
R7	0.1	0.1	2.6	2.7	2.2
R8	0.2	0.2	2.6	2.8	2.2
R9	0.2	0.1	2.6	2.8	2.2
R10	0.2	0.2	2.6	2.8	2.2
R11	0.2	0.1	2.6	2.8	2.2
R12	0.1	0.1	2.6	2.7	2.2
R13	0.2	0.2	2.6	2.8	2.3
R14	0.3	0.2	2.6	2.9	2.3
R15	0.3	0.2	2.6	2.9	2.3
R16	0.3	0.2	2.6	2.9	2.3
R17	0.3	0.2	2.6	2.9	2.3
R18	0.3	0.3	2.6	2.9	2.3
R19	0.5	0.4	2.6	3.1	2.5
R20	0.3	0.2	2.6	2.9	2.3
R21	0.1	0.1	2.6	2.7	2.2
R22	0.2	0.2	2.6	2.8	2.2
R23	0.1	0.1	2.6	2.7	2.2
R24	0.1	0.1	2.6	2.7	2.2
R25	0.2	0.1	2.6	2.8	2.2
R26	0.4	0.3	2.6	3.0	2.4
R27	0.2	0.1	2.6	2.8	2.2
R28	0.3	0.2	2.6	2.9	2.3
R29	0.3	0.3	2.6	2.9	2.3
R30	0.1	0.1	2.6	2.7	2.2
R31	0.1	0.1	2.6	2.7	2.2
R32	0.2	0.1	2.6	2.8	2.2
R33	0.3	0.2	2.6	2.9	2.3
R34	0.3	0.2	2.6	2.9	2.3
R35	0.2	0.2	2.6	2.8	2.3
R36	0.2	0.2	2.6	2.8	2.3
R37	0.1	0.1	2.6	2.7	2.2
R38	0.2	0.2	2.6	2.8	2.3
R39	0.2	0.2	2.6	2.8	2.2
R40	0.2	0.1	2.6	2.8	2.2
R41	0.1	0.1	2.6	2.7	2.2

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R42	0.2	0.1	2.6	2.8	2.2
R43	0.1	0.1	2.6	2.7	2.2
R44	0.1	0.1	2.6	2.7	2.2
R45	0.1	0.1	2.6	2.7	2.2
R46	0.1	0.1	2.6	2.7	2.2
R47	0.1	0.1	2.6	2.7	2.2
R48	0.1	0.1	2.6	2.7	2.2

Table A8-3.11: Predicted Hourly Mean SO₂ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R1	0.4	0.1	2.6	3.0	0.8
R2	0.4	0.1	2.6	3.0	0.8
R3	0.4	0.1	2.6	3.0	0.9
R4	0.5	0.1	2.6	3.1	0.9
R5	0.5	0.1	2.6	3.1	0.9
R6	0.7	0.2	2.6	3.3	1.0
R7	0.5	0.1	2.6	3.1	0.9
R8	0.7	0.2	2.6	3.3	0.9
R9	0.6	0.2	2.6	3.2	0.9
R10	0.6	0.2	2.6	3.2	0.9
R11	0.6	0.2	2.6	3.2	0.9
R12	0.4	0.1	2.6	3.0	0.9
R13	0.8	0.2	2.6	3.4	1.0
R14	0.8	0.2	2.6	3.4	1.0
R15	0.9	0.3	2.6	3.5	1.0
R16	0.9	0.3	2.6	3.5	1.0
R17	1.0	0.3	2.6	3.6	1.0
R18	1.2	0.3	2.6	3.8	1.1
R19	1.5	0.4	2.6	4.1	1.2
R20	1.0	0.3	2.6	3.6	1.0
R21	0.5	0.1	2.6	3.1	0.9
R22	0.7	0.2	2.6	3.3	1.0
R23	0.5	0.1	2.6	3.1	0.9
R24	0.4	0.1	2.6	3.0	0.9
R25	0.6	0.2	2.6	3.2	0.9
R26	1.1	0.3	2.6	3.7	1.1
R27	0.7	0.2	2.6	3.3	0.9
R28	1.0	0.3	2.6	3.6	1.0
R29	1.0	0.3	2.6	3.6	1.0
R30	0.7	0.2	2.6	3.3	0.9

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R31	0.6	0.2	2.6	3.2	0.9
R32	0.7	0.2	2.6	3.3	0.9
R33	0.9	0.3	2.6	3.5	1.0
R34	0.9	0.2	2.6	3.5	1.0
R35	0.7	0.2	2.6	3.3	1.0
R36	0.7	0.2	2.6	3.3	0.9
R37	0.7	0.2	2.6	3.3	0.9
R38	0.7	0.2	2.6	3.3	1.0
R39	0.7	0.2	2.6	3.3	0.9
R40	0.7	0.2	2.6	3.3	0.9
R41	0.6	0.2	2.6	3.2	0.9
R42	0.6	0.2	2.6	3.2	0.9
R43	0.5	0.2	2.6	3.1	0.9
R44	0.6	0.2	2.6	3.2	0.9
R45	0.6	0.2	2.6	3.2	0.9
R46	0.6	0.2	2.6	3.2	0.9
R47	0.4	0.1	2.6	3.0	0.9
R48	0.4	0.1	2.6	3.0	0.9

Table A8-3.12: Predicted 15-minute Mean SO₂ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	0.8	0.3	2.6	3.4	1.3
R2	0.7	0.2	2.6	3.3	1.2
R3	0.9	0.3	2.6	3.5	1.3
R4	0.9	0.3	2.6	3.5	1.3
R5	0.9	0.3	2.6	3.5	1.3
R6	1.3	0.5	2.6	3.9	1.5
R7	0.8	0.3	2.6	3.4	1.3
R8	1.2	0.5	2.6	3.8	1.4
R9	1.1	0.4	2.6	3.7	1.4
R10	1.2	0.4	2.6	3.8	1.4
R11	1.3	0.5	2.6	3.9	1.5
R12	0.8	0.3	2.6	3.4	1.3
R13	1.4	0.5	2.6	4.0	1.5
R14	1.6	0.6	2.6	4.2	1.6
R15	1.7	0.6	2.6	4.3	1.6
R16	1.8	0.7	2.6	4.4	1.7
R17	2.1	0.8	2.6	4.7	1.8
R18	2.3	0.9	2.6	4.9	1.8
R19	2.5	0.9	2.6	5.1	1.9

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R20	2.0	0.8	2.6	4.6	1.7
R21	0.9	0.3	2.6	3.5	1.3
R22	1.2	0.5	2.6	3.8	1.4
R23	0.6	0.2	2.6	3.2	1.2
R24	0.6	0.2	2.6	3.2	1.2
R25	1.0	0.4	2.6	3.6	1.4
R26	1.6	0.6	2.6	4.2	1.6
R27	1.1	0.4	2.6	3.7	1.4
R28	1.6	0.6	2.6	4.2	1.6
R29	1.8	0.7	2.6	4.4	1.7
R30	1.0	0.4	2.6	3.6	1.3
R31	0.9	0.3	2.6	3.5	1.3
R32	1.2	0.5	2.6	3.8	1.4
R33	1.5	0.6	2.6	4.1	1.5
R34	1.5	0.6	2.6	4.1	1.6
R35	1.4	0.5	2.6	4.0	1.5
R36	1.3	0.5	2.6	3.9	1.5
R37	1.5	0.6	2.6	4.1	1.5
R38	1.4	0.5	2.6	4.0	1.5
R39	1.3	0.5	2.6	3.9	1.5
R40	1.2	0.5	2.6	3.8	1.4
R41	1.2	0.4	2.6	3.8	1.4
R42	1.0	0.4	2.6	3.6	1.4
R43	1.0	0.4	2.6	3.6	1.4
R44	1.2	0.5	2.6	3.8	1.4
R45	1.5	0.6	2.6	4.1	1.6
R46	1.2	0.4	2.6	3.8	1.4
R47	0.8	0.3	2.6	3.4	1.3
R48	0.8	0.3	2.6	3.4	1.3

Table A8-3.13: Predicted Annual Mean C₆H₆ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	0.2	3.3	0.2	0.4	7.3
R2	0.2	4.5	0.2	0.4	8.5
R3	0.3	6.8	0.2	0.5	10.8
R4	0.4	7.5	0.2	0.6	11.5
R5	0.4	8.0	0.2	0.6	12.0
R6	0.5	9.4	0.2	0.7	13.4
R7	0.4	8.8	0.2	0.6	12.8
R8	0.7	13.4	0.2	0.9	17.4

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R9	0.7	13.3	0.2	0.9	17.3
R10	0.9	17.1	0.2	1.1	21.1
R11	0.4	7.8	0.2	0.6	11.8
R12	0.3	6.9	0.2	0.5	10.9
R13	1.1	23.0	0.2	1.3	27.0
R14	1.2	23.5	0.2	1.4	27.5
R15	0.9	18.0	0.2	1.1	22.0
R16	1.0	20.3	0.2	1.2	24.3
R17	0.5	10.0	0.2	0.7	14.0
R18	0.7	13.8	0.2	0.9	17.8
R19	2.2	43.7	0.2	2.4	47.7
R20	0.9	17.4	0.2	1.1	21.4
R21	0.3	6.5	0.2	0.5	10.5
R22	1.0	19.3	0.2	1.2	23.3
R23	0.7	14.4	0.2	0.9	18.4
R24	0.6	11.9	0.2	0.8	15.9
R25	0.7	14.8	0.2	0.9	18.8
R26	2.1	42.3	0.2	2.3	46.3
R27	0.7	13.1	0.2	0.9	17.1
R28	1.2	23.3	0.2	1.4	27.3
R29	1.4	27.6	0.2	1.6	31.6
R30	0.5	10.5	0.2	0.7	14.5
R31	0.5	10.2	0.2	0.7	14.2
R32	0.5	10.1	0.2	0.7	14.1
R33	0.9	17.4	0.2	1.1	21.4
R34	1.0	20.5	0.2	1.2	24.5
R35	0.5	10.5	0.2	0.7	14.5
R36	0.6	12.8	0.2	0.8	16.8
R37	0.4	8.2	0.2	0.6	12.2
R38	0.8	15.1	0.2	1.0	19.1
R39	0.6	12.4	0.2	0.8	16.4
R40	0.6	11.9	0.2	0.8	15.9
R41	0.5	10.8	0.2	0.7	14.8
R42	0.7	14.1	0.2	0.9	18.1
R43	0.5	10.7	0.2	0.7	14.7
R44	0.5	10.4	0.2	0.7	14.4
R45	0.4	7.3	0.2	0.6	11.3
R46	0.5	9.8	0.2	0.7	13.8
R47	0.4	7.8	0.2	0.6	11.8
R48	0.4	7.8	0.2	0.6	11.8

Table A8-3.14: Predicted Hourly Maximum C₆H₆ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	18.8	9.7	0.3	19.1	9.8
R2	26.6	13.6	0.3	26.9	13.8
R3	28.7	14.7	0.3	29.0	14.9
R4	31.5	16.2	0.3	31.8	16.3
R5	31.4	16.1	0.3	31.7	16.2
R6	37.3	19.1	0.3	37.6	19.3
R7	15.7	8.0	0.3	16.0	8.2
R8	38.2	19.6	0.3	38.5	19.8
R9	32.9	16.9	0.3	33.2	17.0
R10	37.3	19.1	0.3	37.6	19.3
R11	37.2	19.1	0.3	37.5	19.2
R12	16.6	8.5	0.3	16.9	8.7
R13	45.0	23.1	0.3	45.3	23.3
R14	47.1	24.1	0.3	47.4	24.3
R15	41.4	21.2	0.3	41.7	21.4
R16	46.1	23.7	0.3	46.4	23.8
R17	34.9	17.9	0.3	35.2	18.0
R18	40.4	20.7	0.3	40.7	20.9
R19	58.0	29.8	0.3	58.3	29.9
R20	36.9	18.9	0.3	37.2	19.1
R21	33.3	17.1	0.3	33.6	17.2
R22	33.5	17.2	0.3	33.8	17.3
R23	28.8	14.7	0.3	29.1	14.9
R24	31.6	16.2	0.3	31.9	16.4
R25	29.4	15.1	0.3	29.7	15.2
R26	48.0	24.6	0.3	48.3	24.8
R27	24.1	12.3	0.3	24.4	12.5
R28	35.2	18.1	0.3	35.5	18.2
R29	38.3	19.6	0.3	38.6	19.8
R30	29.2	15.0	0.3	29.5	15.1
R31	27.1	13.9	0.3	27.4	14.1
R32	29.6	15.2	0.3	29.9	15.3
R33	30.1	15.4	0.3	30.4	15.6
R34	43.5	22.3	0.3	43.8	22.4
R35	21.0	10.8	0.3	21.3	10.9
R36	25.2	12.9	0.3	25.5	13.1
R37	26.8	13.7	0.3	27.1	13.9
R38	38.6	19.8	0.3	38.9	20.0
R39	29.6	15.2	0.3	29.9	15.3
R40	28.8	14.8	0.3	29.1	14.9
R41	25.4	13.0	0.3	25.7	13.2

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R42	22.1	11.3	0.3	22.4	11.5
R43	22.9	11.7	0.3	23.2	11.9
R44	24.6	12.6	0.3	24.9	12.8
R45	17.7	9.1	0.3	18.0	9.2
R46	23.4	12.0	0.3	23.7	12.2
R47	26.6	13.7	0.3	26.9	13.8
R48	26.6	13.7	0.3	26.9	13.8

Table A8-3.15: Predicted Hourly Maximum CH₂O Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R1	2.7	2.7	<0.1	2.7	2.7
R2	2.8	2.8	<0.1	2.8	2.8
R3	3.2	3.2	<0.1	3.2	3.2
R4	3.8	3.8	<0.1	3.8	3.8
R5	3.4	3.4	<0.1	3.4	3.4
R6	5.2	5.2	<0.1	5.2	5.2
R7	3.0	3.0	<0.1	3.0	3.0
R8	4.7	4.7	<0.1	4.7	4.7
R9	4.3	4.3	<0.1	4.3	4.3
R10	5.1	5.1	<0.1	5.1	5.1
R11	3.6	3.6	<0.1	3.6	3.6
R12	3.1	3.1	<0.1	3.1	3.1
R13	6.7	6.7	<0.1	6.7	6.7
R14	6.8	6.8	<0.1	6.8	6.8
R15	7.2	7.2	<0.1	7.2	7.2
R16	7.4	7.4	<0.1	7.4	7.4
R17	6.2	6.2	<0.1	6.2	6.2
R18	6.4	6.4	<0.1	6.4	6.4
R19	8.5	8.5	<0.1	8.5	8.5
R20	6.9	6.9	<0.1	6.9	6.9
R21	3.6	3.6	<0.1	3.6	3.6
R22	7.1	7.1	<0.1	7.1	7.1
R23	5.7	5.7	<0.1	5.7	5.7
R24	4.7	4.7	<0.1	4.7	4.7
R25	5.3	5.3	<0.1	5.3	5.3
R26	9.2	9.2	<0.1	9.2	9.2
R27	6.2	6.2	<0.1	6.2	6.2
R28	7.3	7.3	<0.1	7.3	7.3
R29	7.9	7.9	<0.1	7.9	7.9
R30	4.8	4.8	<0.1	4.8	4.8

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R31	4.5	4.5	<0.1	4.5	4.5
R32	5.3	5.3	<0.1	5.3	5.3
R33	6.2	6.2	<0.1	6.2	6.2
R34	6.4	6.4	<0.1	6.4	6.4
R35	4.1	4.1	<0.1	4.1	4.1
R36	4.8	4.8	<0.1	4.8	4.8
R37	4.8	4.8	<0.1	4.8	4.8
R38	5.1	5.1	<0.1	5.1	5.1
R39	4.4	4.4	<0.1	4.4	4.4
R40	3.8	3.8	<0.1	3.8	3.8
R41	3.1	3.1	<0.1	3.1	3.1
R42	4.1	4.1	<0.1	4.1	4.1
R43	4.1	4.1	<0.1	4.1	4.1
R44	3.1	3.1	<0.1	3.1	3.1
R45	3.1	3.1	<0.1	3.1	3.1
R46	3.1	3.1	<0.1	3.1	3.1
R47	2.9	2.9	<0.1	2.9	2.9
R48	2.9	2.9	<0.1	2.9	2.9

Table A8-3.16: Predicted Annual Mean NO_x Process Contribution and Predicted Environmental Concentration at Nature Conservation Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
E1	0.6	2.0	6.2	6.8	22.7
E2	0.5	1.7	6.2	6.7	22.4
E3	0.5	1.7	6.2	6.7	22.4
E4	0.6	2.0	6.2	6.8	22.7
E5	0.4	1.4	6.2	6.6	22.1
E6	0.9	3.0	6.2	7.1	23.7
E7	1.1	3.5	6.2	7.3	24.2
E8	1.0	3.2	6.2	7.2	23.9
E9	1.1	3.6	6.2	7.3	24.3
E10	0.7	2.3	6.2	6.9	23.0
E11	0.2	0.8	6.2	6.4	21.5
E12	0.9	2.9	6.2	7.1	23.6
E13	1.0	3.2	6.2	7.2	23.9
E14	0.8	2.7	6.2	7.0	23.3
E15	0.6	2.2	6.2	6.8	22.8
E16	0.6	1.9	6.2	6.8	22.5
E17	0.7	2.3	6.2	6.9	22.9
E18	0.5	1.8	6.2	6.7	22.4
E19	0.7	2.2	6.2	6.9	22.9

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
E20	0.5	1.6	6.2	6.7	22.3
E21	1.0	3.5	6.2	7.2	24.1
E22	0.8	2.6	6.2	7.0	23.3
E23	0.9	3.1	6.2	7.1	23.8
E24	0.2	0.7	6.2	6.4	21.4
E25	0.2	0.8	6.2	6.4	21.5
E26	0.2	0.7	6.2	6.4	21.3
E27	0.3	0.8	6.2	6.5	21.5
E28	0.2	0.7	6.2	6.4	21.4
E29	0.2	0.7	6.2	6.4	21.3
E30	0.2	0.6	6.2	6.4	21.3
E31	0.1	0.2	6.2	6.3	20.9

Table A8-3.17: Predicted Daily Maximum NO_x Process Contribution and Predicted Environmental Concentration at Nature Conservation Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
E1	38.9	51.8	12.4	51.3	68.3
E2	35.2	46.9	12.4	47.6	63.5
E3	32.9	43.8	12.4	45.3	60.4
E4	28.9	38.5	12.4	41.3	55.1
E5	17.4	23.3	12.4	29.8	39.8
E6	21.4	28.5	12.4	33.8	45.1
E7	26.9	35.9	12.4	39.3	52.4
E8	26.0	34.7	12.4	38.4	51.2
E9	27.6	36.8	12.4	4<0.1	53.4
E10	22.6	30.1	12.4	35.0	46.7
E11	16.0	21.3	12.4	28.4	37.9
E12	30.4	40.6	12.4	42.8	57.1
E13	24.2	32.3	12.4	36.6	48.8
E14	48.0	64.0	12.4	60.4	80.5
E15	41.2	54.9	12.4	53.6	71.4
E16	36.0	47.9	12.4	48.4	64.5
E17	43.4	57.8	12.4	55.8	74.4
E18	35.6	47.5	12.4	48.0	64.0
E19	22.9	30.6	12.4	35.3	47.1
E20	18.3	24.5	12.4	30.7	41.0
E21	27.1	36.1	12.4	39.5	52.6
E22	18.1	24.1	12.4	30.5	40.6
E23	26.4	35.2	12.4	38.8	51.7
E24	15.7	21.0	12.4	28.1	37.5
E25	14.6	19.4	12.4	27.0	36.0

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
E26	12.4	16.6	12.4	24.8	33.1
E27	12.9	17.2	12.4	25.3	33.7
E28	14.9	19.9	12.4	27.3	36.4
E29	14.0	18.7	12.4	26.4	35.2
E30	13.6	18.2	12.4	26.0	34.7
E31	7.6	10.1	12.4	20.0	26.7

Table A8-3.18: Predicted Annual Mean SO₂ Process Contribution and Predicted Environmental Concentration at Nature Conservation Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
E1	<0.1	<0.1	1.3	1.3	6.5
E2	<0.1	<0.1	1.3	1.3	6.5
E3	<0.1	<0.1	1.3	1.3	6.5
E4	<0.1	<0.1	1.3	1.3	6.5
E5	<0.1	<0.1	1.3	1.3	6.5
E6	<0.1	<0.1	1.3	1.3	6.5
E7	<0.1	<0.1	1.3	1.3	6.5
E8	<0.1	<0.1	1.3	1.3	6.5
E9	<0.1	<0.1	1.3	1.3	6.5
E10	<0.1	<0.1	1.3	1.3	6.5
E11	<0.1	<0.1	1.3	1.3	6.5
E12	<0.1	<0.1	1.3	1.3	6.5
E13	<0.1	<0.1	1.3	1.3	6.5
E14	<0.1	<0.1	1.3	1.3	6.5
E15	<0.1	<0.1	1.3	1.3	6.5
E16	<0.1	<0.1	1.3	1.3	6.5
E17	<0.1	<0.1	1.3	1.3	6.5
E18	<0.1	<0.1	1.3	1.3	6.5
E19	<0.1	<0.1	1.3	1.3	6.5
E20	<0.1	<0.1	1.3	1.3	6.5
E21	<0.1	<0.1	1.3	1.3	6.5
E22	<0.1	<0.1	1.3	1.3	6.5
E23	<0.1	<0.1	1.3	1.3	6.5
E24	<0.1	<0.1	1.3	1.3	6.5
E25	<0.1	<0.1	1.3	1.3	6.5
E26	<0.1	<0.1	1.3	1.3	6.5
E27	<0.1	<0.1	1.3	1.3	6.5
E28	<0.1	<0.1	1.3	1.3	6.5
E29	<0.1	<0.1	1.3	1.3	6.5
E30	<0.1	<0.1	1.3	1.3	6.5
E31	<0.1	<0.1	1.3	1.3	6.5

Table A8-3.19: Predicted Annual Mean Nitrogen Deposition Process Contribution and Predicted Environmental Concentration at Nature Conservation Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (kg N/ha/yr)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (kg N/ha/yr)	Predicted Env. Conc. (kg N/ha/yr)	Predicted Env Conc. as a Proportion of AQ Standard (%)
E1	0.1	0.4	12.0	12.1	60.4
E2	0.1	0.4	12.0	12.1	60.4
E3	0.1	0.4	12.0	12.1	60.4
E4	0.1	0.4	12.0	12.1	60.4
E5	0.1	0.3	12.0	12.1	60.3
E6	0.1	0.7	12.0	12.1	60.7
E7	0.2	0.8	12.0	12.2	60.8
E8	0.1	0.7	12.0	12.1	60.7
E9	0.2	0.8	12.0	12.2	60.8
E10	0.1	0.5	12.0	12.1	60.5
E11	<0.1	0.2	12.0	12.0	60.2
E12	0.1	0.6	12.0	12.1	60.6
E13	0.1	0.7	12.0	12.1	60.7
E14	0.1	0.6	12.0	12.1	60.6
E15	0.1	0.5	12.0	12.1	60.5
E16	0.1	0.4	12.0	12.1	60.4
E17	0.1	0.5	12.0	12.1	60.5
E18	0.1	0.4	12.0	12.1	60.4
E19	0.1	0.5	12.0	12.1	60.5
E20	0.1	0.4	12.0	12.1	60.4
E21	0.2	0.8	12.0	12.2	60.8
E22	0.1	0.6	12.0	12.1	60.6
E23	0.1	0.7	12.0	12.1	60.7
E24	<0.1	0.2	12.0	12.0	60.2
E25	<0.1	0.2	12.0	12.0	60.2
E26	<0.1	0.1	12.0	12.0	60.1
E27	<0.1	0.2	12.0	12.0	60.2
E28	<0.1	0.2	12.0	12.0	60.2
E29	<0.1	0.1	12.0	12.0	60.1
E30	<0.1	0.1	12.0	12.0	60.1
E31	<0.1	<0.1	12.0	12.0	60.0

Table A8-3.20: Predicted Annual Mean Acid Deposition Process Contribution and Predicted Environmental Concentration at Nature Conservation Receptors¹ – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (kg N/ha/yr)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (kg N/ha/yr)	Predicted Env. Conc. (kg N/ha/yr)	Predicted Env Conc. as a Proportion of AQ Standard (%)
E11	<0.01	<0.1	0.5	0.50	88.0
E12	0.01	1.8	0.5	0.51	89.8

Receptor	Process Cont. (kg N/ha/yr)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (kg N/ha/yr)	Predicted Env. Conc. (kg N/ha/yr)	Predicted Env Conc. as a Proportion of AQ Standard (%)
E24	<0.01	0.1	0.5	0.50	50.0
E25	<0.01	0.1	0.5	0.50	50.0
E26	<0.01	0.1	0.5	0.50	50.0
E27	<0.01	0.1	0.5	0.50	50.0
E28	<0.01	0.1	0.5	0.50	50.0
E29	<0.01	0.1	0.5	0.50	50.0
E30	<0.01	0.1	0.5	0.50	50.0
E31	<0.01	<0.1	0.5	0.50	73.2

Notes:

¹ Receptor E1 to E10 and E13 to E23 are not considered to be sensitive to acid deposition impacts.

Sensitivity Scenario 1 (Combined Loop Re-gasification and CTG)

Table A8-3.21: Predicted Annual Mean NO₂ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 1 (Combined Loop Re-gasification and CTG)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R1	0.2	0.4	4.3	4.5	11.2
R2	0.2	0.5	4.3	4.5	11.3
R3	0.3	0.7	4.3	4.6	11.5
R4	0.3	0.8	4.3	4.6	11.5
R5	0.3	0.8	4.3	4.6	11.6
R6	0.4	1.1	4.3	4.7	11.8
R7	0.6	1.4	4.3	4.9	12.2
R8	0.5	1.2	4.3	4.8	11.9
R9	0.5	1.2	4.3	4.8	11.9
R10	0.6	1.4	4.3	4.9	12.2
R11	0.4	0.9	4.3	4.7	11.7
R12	0.5	1.2	4.3	4.8	12.0
R13	0.8	2.0	4.3	5.1	12.7
R14	0.9	2.1	4.3	5.2	12.9
R15	0.9	2.3	4.3	5.2	13.0
R16	1.0	2.4	4.3	5.3	13.2
R17	0.7	1.9	4.3	5.0	12.6
R18	0.9	2.3	4.3	5.2	13.0
R19	1.6	4.0	4.3	5.9	14.7
R20	0.7	1.7	4.3	5.0	12.4
R21	0.3	0.7	4.3	4.6	11.4
R22	0.5	1.3	4.3	4.8	12.1
R23	0.3	0.8	4.3	4.6	11.6
R24	0.3	0.7	4.3	4.6	11.4
R25	0.5	1.3	4.3	4.8	12.0
R26	1.3	3.2	4.3	5.6	14.0

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R27	0.6	1.5	4.3	4.9	12.2
R28	1.0	2.4	4.3	5.3	13.2
R29	1.1	2.7	4.3	5.4	13.4
R30	0.5	1.1	4.3	4.8	11.9
R31	0.4	1.0	4.3	4.7	11.7
R32	0.5	1.3	4.3	4.8	12.0
R33	0.8	2.0	4.3	5.1	12.7
R34	0.8	1.9	4.3	5.1	12.7
R35	0.6	1.4	4.3	4.9	12.2
R36	0.6	1.5	4.3	4.9	12.2
R37	0.5	1.4	4.3	4.8	12.1
R38	0.6	1.5	4.3	4.9	12.2
R39	0.5	1.3	4.3	4.8	12.1
R40	0.5	1.2	4.3	4.8	12.0
R41	0.5	1.2	4.3	4.8	11.9
R42	0.7	1.8	4.3	5.0	12.6
R43	0.6	1.4	4.3	4.9	12.2
R44	0.5	1.1	4.3	4.8	11.9
R45	0.5	1.2	4.3	4.8	11.9
R46	0.5	1.1	4.3	4.8	11.9
R47	0.4	1.1	4.3	4.7	11.9
R48	0.4	1.1	4.3	4.7	11.9

Table A8-3.22: Predicted Hourly Mean NO₂ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 1 (Combined Loop Re-gasification and CTG)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R1	6.7	3.4	8.7	15.4	7.7
R2	7.9	4.0	8.7	16.6	8.3
R3	1<0.1	5.0	8.7	18.7	9.4
R4	11.4	5.7	8.7	20.1	10.1
R5	11.4	5.7	8.7	20.1	10.1
R6	13.7	6.8	8.7	22.4	11.2
R7	9.7	4.8	8.7	18.4	9.2
R8	14.9	7.5	8.7	23.6	11.8
R9	15.0	7.5	8.7	23.7	11.9
R10	16.9	8.5	8.7	25.6	12.8
R11	10.9	5.5	8.7	19.6	9.8
R12	9.6	4.8	8.7	18.3	9.1
R13	19.8	9.9	8.7	28.5	14.3
R14	21.4	10.7	8.7	30.1	15.1
R15	22.3	11.1	8.7	31.0	15.5

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R16	21.8	10.9	8.7	30.5	15.3
R17	19.7	9.8	8.7	28.4	14.2
R18	22.1	11.0	8.7	30.8	15.4
R19	30.9	15.4	8.7	39.6	19.8
R20	19.4	9.7	8.7	28.1	14.0
R21	10.3	5.2	8.7	19.0	9.5
R22	15.7	7.9	8.7	24.4	12.2
R23	13.5	6.7	8.7	22.2	11.1
R24	11.5	5.8	8.7	20.2	10.1
R25	15.4	7.7	8.7	24.1	12.0
R26	23.8	11.9	8.7	32.5	16.3
R27	16.6	8.3	8.7	25.3	12.6
R28	19.2	9.6	8.7	27.9	13.9
R29	19.8	9.9	8.7	28.5	14.3
R30	15.1	7.6	8.7	23.8	11.9
R31	13.7	6.9	8.7	22.4	11.2
R32	14.5	7.2	8.7	23.2	11.6
R33	16.3	8.1	8.7	25.0	12.5
R34	16.3	8.2	8.7	25.0	12.5
R35	13.2	6.6	8.7	21.9	11.0
R36	12.7	6.4	8.7	21.4	10.7
R37	12.4	6.2	8.7	21.1	10.6
R38	14.0	7.0	8.7	22.7	11.4
R39	12.7	6.4	8.7	21.4	10.7
R40	11.1	5.5	8.7	19.8	9.9
R41	10.5	5.3	8.7	19.2	9.6
R42	12.2	6.1	8.7	20.9	10.5
R43	11.4	5.7	8.7	20.1	10.0
R44	1<0.1	5.0	8.7	18.7	9.4
R45	9.5	4.7	8.7	18.2	9.1
R46	9.3	4.6	8.7	18.0	9.0
R47	9.9	4.9	8.7	18.6	9.3
R48	9.9	4.9	8.7	18.6	9.3

Table A8-3.23: Predicted Annual Mean PM₁₀ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 1 (Combined Loop Re-gasification and CTG)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	<0.1	<0.1	9	9.0	22.5
R2	<0.1	<0.1	9	9.0	22.5
R3	<0.1	<0.1	9	9.0	22.5
R4	<0.1	0.1	9	9.0	22.6

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R5	<0.1	0.1	9	9.0	22.6
R6	<0.1	0.1	9	9.0	22.6
R7	<0.1	0.1	9	9.0	22.6
R8	<0.1	0.1	9	9.0	22.6
R9	<0.1	0.1	9	9.0	22.6
R10	<0.1	0.1	9	9.0	22.6
R11	<0.1	0.1	9	9.0	22.6
R12	<0.1	0.1	9	9.0	22.6
R13	<0.1	0.1	9	9.0	22.6
R14	0.1	0.1	9	9.1	22.6
R15	0.1	0.1	9	9.1	22.6
R16	0.1	0.1	9	9.1	22.6
R17	<0.1	0.1	9	9.0	22.6
R18	0.1	0.1	9	9.1	22.6
R19	0.1	0.2	9	9.1	22.7
R20	<0.1	0.1	9	9.0	22.6
R21	<0.1	<0.1	9	9.0	22.5
R22	<0.1	0.1	9	9.0	22.6
R23	<0.1	<0.1	9	9.0	22.5
R24	<0.1	<0.1	9	9.0	22.5
R25	<0.1	0.1	9	9.0	22.6
R26	0.1	0.2	9	9.1	22.7
R27	<0.1	0.1	9	9.0	22.6
R28	0.1	0.1	9	9.1	22.6
R29	0.1	0.2	9	9.1	22.7
R30	<0.1	0.1	9	9.0	22.6
R31	<0.1	0.1	9	9.0	22.6
R32	<0.1	0.1	9	9.0	22.6
R33	0.1	0.1	9	9.1	22.6
R34	0.1	0.1	9	9.1	22.6
R35	<0.1	0.1	9	9.0	22.6
R36	<0.1	0.1	9	9.0	22.6
R37	<0.1	0.1	9	9.0	22.6
R38	<0.1	0.1	9	9.0	22.6
R39	<0.1	0.1	9	9.0	22.6
R40	<0.1	0.1	9	9.0	22.6
R41	<0.1	0.1	9	9.0	22.6
R42	<0.1	0.1	9	9.0	22.6
R43	<0.1	0.1	9	9.0	22.6
R44	<0.1	0.1	9	9.0	22.6
R45	<0.1	0.1	9	9.0	22.6
R46	<0.1	0.1	9	9.0	22.6
R47	<0.1	0.1	9	9.0	22.6
R48	<0.1	0.1	9	9.0	22.6

Table A8-3.24: Predicted Daily Mean PM₁₀ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 1 (Combined Loop Re-gasification and CTG)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	0.1	0.3	18	18.1	36.3
R2	0.2	0.3	18	18.2	36.3
R3	0.2	0.4	18	18.2	36.4
R4	0.2	0.5	18	18.2	36.5
R5	0.2	0.5	18	18.2	36.5
R6	0.4	0.7	18	18.4	36.7
R7	0.3	0.6	18	18.3	36.6
R8	0.4	0.7	18	18.4	36.7
R9	0.3	0.6	18	18.3	36.6
R10	0.4	0.7	18	18.4	36.7
R11	0.3	0.6	18	18.3	36.6
R12	0.3	0.6	18	18.3	36.6
R13	0.6	1.2	18	18.6	37.2
R14	0.6	1.3	18	18.6	37.3
R15	0.7	1.4	18	18.7	37.4
R16	0.7	1.4	18	18.7	37.4
R17	0.6	1.2	18	18.6	37.2
R18	0.7	1.4	18	18.7	37.4
R19	0.8	1.7	18	18.8	37.7
R20	0.4	0.9	18	18.4	36.9
R21	0.2	0.4	18	18.2	36.4
R22	0.3	0.6	18	18.3	36.6
R23	0.2	0.4	18	18.2	36.4
R24	0.2	0.3	18	18.2	36.3
R25	0.3	0.7	18	18.3	36.7
R26	0.9	1.8	18	18.9	37.8
R27	0.5	0.9	18	18.5	36.9
R28	0.8	1.6	18	18.8	37.6
R29	0.9	1.8	18	18.9	37.8
R30	0.3	0.7	18	18.3	36.7
R31	0.3	0.6	18	18.3	36.6
R32	0.4	0.8	18	18.4	36.8
R33	0.7	1.4	18	18.7	37.4
R34	0.6	1.2	18	18.6	37.2
R35	0.5	1.0	18	18.5	37.0
R36	0.5	1.0	18	18.5	37.0
R37	0.3	0.5	18	18.3	36.5
R38	0.4	0.9	18	18.4	36.9
R39	0.4	0.8	18	18.4	36.8
R40	0.4	0.7	18	18.4	36.7

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R41	0.3	0.6	18	18.3	36.6
R42	0.4	0.8	18	18.4	36.8
R43	0.4	0.7	18	18.4	36.7
R44	0.3	0.6	18	18.3	36.6
R45	0.2	0.5	18	18.2	36.5
R46	0.3	0.6	18	18.3	36.6
R47	0.3	0.5	18	18.3	36.5
R48	0.3	0.5	18	18.3	36.5

Table A8-3.25: Predicted Annual Mean PM_{2.5} Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 1 (Combined Loop Re-gasification and CTG)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R1	<0.1	<0.1	4	4.0	16.0
R2	<0.1	0.1	4	4.0	16.1
R3	<0.1	0.1	4	4.0	16.1
R4	<0.1	0.1	4	4.0	16.1
R5	<0.1	0.1	4	4.0	16.1
R6	<0.1	0.1	4	4.0	16.1
R7	<0.1	0.1	4	4.0	16.1
R8	<0.1	0.1	4	4.0	16.1
R9	<0.1	0.1	4	4.0	16.1
R10	<0.1	0.1	4	4.0	16.1
R11	<0.1	0.1	4	4.0	16.1
R12	<0.1	0.1	4	4.0	16.1
R13	<0.1	0.2	4	4.0	16.2
R14	0.1	0.2	4	4.1	16.2
R15	0.1	0.2	4	4.1	16.2
R16	0.1	0.2	4	4.1	16.2
R17	<0.1	0.2	4	4.0	16.2
R18	0.1	0.2	4	4.1	16.2
R19	0.1	0.3	4	4.1	16.3
R20	<0.1	0.2	4	4.0	16.2
R21	<0.1	0.1	4	4.0	16.1
R22	<0.1	0.1	4	4.0	16.1
R23	<0.1	0.1	4	4.0	16.1
R24	<0.1	0.1	4	4.0	16.1
R25	<0.1	0.1	4	4.0	16.1
R26	0.1	0.3	4	4.1	16.3
R27	<0.1	0.1	4	4.0	16.1
R28	0.1	0.2	4	4.1	16.2
R29	0.1	0.3	4	4.1	16.3

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R30	<0.1	0.1	4	4.0	16.1
R31	<0.1	0.1	4	4.0	16.1
R32	<0.1	0.1	4	4.0	16.1
R33	0.1	0.2	4	4.1	16.2
R34	0.1	0.2	4	4.1	16.2
R35	<0.1	0.2	4	4.0	16.2
R36	<0.1	0.2	4	4.0	16.2
R37	<0.1	0.1	4	4.0	16.1
R38	<0.1	0.2	4	4.0	16.2
R39	<0.1	0.1	4	4.0	16.1
R40	<0.1	0.1	4	4.0	16.1
R41	<0.1	0.1	4	4.0	16.1
R42	<0.1	0.2	4	4.0	16.2
R43	<0.1	0.2	4	4.0	16.2
R44	<0.1	0.1	4	4.0	16.1
R45	<0.1	0.1	4	4.0	16.1
R46	<0.1	0.1	4	4.0	16.1
R47	<0.1	0.1	4	4.0	16.1
R48	<0.1	0.1	4	4.0	16.1

Table A8-3.26: Predicted Rolling 8-hour Maximum CO Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 1 (Combined Loop Re-gasification and CTG)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	20.9	0.2	100	120.9	1.2
R2	18.0	0.2	100	118.0	1.2
R3	20.9	0.2	100	120.9	1.2
R4	22.1	0.2	100	122.1	1.2
R5	23.2	0.2	100	123.2	1.2
R6	36.9	0.4	100	136.9	1.4
R7	19.1	0.2	100	119.1	1.2
R8	32.4	0.3	100	132.4	1.3
R9	26.7	0.3	100	126.7	1.3
R10	3<0.1	0.3	100	130.0	1.3
R11	32.4	0.3	100	132.4	1.3
R12	29.0	0.3	100	129.0	1.3
R13	36.1	0.4	100	136.1	1.4
R14	39.6	0.4	100	139.6	1.4
R15	43.5	0.4	100	143.5	1.4
R16	45.2	0.5	100	145.2	1.5
R17	43.5	0.4	100	143.5	1.4
R18	48.8	0.5	100	148.8	1.5

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R19	76.6	0.8	100	176.6	1.8
R20	47.7	0.5	100	147.7	1.5
R21	21.7	0.2	100	121.7	1.2
R22	40.2	0.4	100	140.2	1.4
R23	29.6	0.3	100	129.6	1.3
R24	24.7	0.2	100	124.7	1.2
R25	36.8	0.4	100	136.8	1.4
R26	50.9	0.5	100	150.9	1.5
R27	34.5	0.3	100	134.5	1.3
R28	42.8	0.4	100	142.8	1.4
R29	45.7	0.5	100	145.7	1.5
R30	28.3	0.3	100	128.3	1.3
R31	25.7	0.3	100	125.7	1.3
R32	29.3	0.3	100	129.3	1.3
R33	37.2	0.4	100	137.2	1.4
R34	73.6	0.7	100	173.6	1.7
R35	29.5	0.3	100	129.5	1.3
R36	45.1	0.5	100	145.1	1.5
R37	23.9	0.2	100	123.9	1.2
R38	54.2	0.5	100	154.2	1.5
R39	45.9	0.5	100	145.9	1.5
R40	24.9	0.2	100	124.9	1.2
R41	23.2	0.2	100	123.2	1.2
R42	22.7	0.2	100	122.7	1.2
R43	19.4	0.2	100	119.4	1.2
R44	22.4	0.2	100	122.4	1.2
R45	29.1	0.3	100	129.1	1.3
R46	19.8	0.2	100	119.8	1.2
R47	18.9	0.2	100	118.9	1.2
R48	18.9	0.2	100	118.9	1.2

Table A8-3.27: Predicted 1-hour Maximum CO Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 1 (Combined Loop Re-gasification and CTG)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	34.3	0.1	0.1	34.4	0.1
R2	37.8	0.1	0.1	37.9	0.1
R3	43.6	0.1	0.1	43.7	0.1
R4	52.0	0.2	0.1	52.1	0.2
R5	46.8	0.2	0.1	46.9	0.2
R6	71.2	0.2	0.1	71.3	0.2
R7	41.6	0.1	0.1	41.7	0.1

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R8	68.0	0.2	0.1	68.1	0.2
R9	63.1	0.2	0.1	63.2	0.2
R10	73.7	0.2	0.1	73.8	0.2
R11	45.1	0.2	0.1	45.2	0.2
R12	42.4	0.1	0.1	42.5	0.1
R13	82.7	0.3	0.1	82.8	0.3
R14	88.1	0.3	0.1	88.2	0.3
R15	90.2	0.3	0.1	90.3	0.3
R16	94.0	0.3	0.1	94.1	0.3
R17	84.0	0.3	0.1	84.1	0.3
R18	98.0	0.3	0.1	98.1	0.3
R19	124.4	0.4	0.1	124.5	0.4
R20	95.7	0.3	0.1	95.8	0.3
R21	61.2	0.2	0.1	61.3	0.2
R22	104.4	0.3	0.1	104.5	0.3
R23	81.6	0.3	0.1	81.7	0.3
R24	69.2	0.2	0.1	69.3	0.2
R25	97.8	0.3	0.1	97.9	0.3
R26	125.2	0.4	0.1	125.3	0.4
R27	96.0	0.3	0.1	96.1	0.3
R28	106.6	0.4	0.1	106.7	0.4
R29	104.9	0.3	0.1	105.0	0.4
R30	72.0	0.2	0.1	72.1	0.2
R31	63.1	0.2	0.1	63.2	0.2
R32	71.7	0.2	0.1	71.8	0.2
R33	87.0	0.3	0.1	87.1	0.3
R34	91.8	0.3	0.1	91.9	0.3
R35	61.1	0.2	0.1	61.2	0.2
R36	64.7	0.2	0.1	64.8	0.2
R37	73.2	0.2	0.1	73.3	0.2
R38	66.3	0.2	0.1	66.4	0.2
R39	58.2	0.2	0.1	58.3	0.2
R40	50.3	0.2	0.1	50.4	0.2
R41	42.5	0.1	0.1	42.6	0.1
R42	52.6	0.2	0.1	52.7	0.2
R43	46.9	0.2	0.1	47.0	0.2
R44	40.6	0.1	0.1	40.7	0.1
R45	53.1	0.2	0.1	53.2	0.2
R46	38.5	0.1	0.1	38.6	0.1
R47	33.7	0.1	0.1	33.8	0.1
R48	33.7	0.1	0.1	33.8	0.1

Table A8-3.28: Predicted Daily Mean SO₂ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 1 (Combined Loop Re-gasification and CTG)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	0.1	0.1	2.6	2.7	2.2
R2	0.1	0.1	2.6	2.7	2.2
R3	0.1	0.1	2.6	2.7	2.2
R4	0.1	0.1	2.6	2.7	2.2
R5	0.1	0.1	2.6	2.7	2.2
R6	0.2	0.2	2.6	2.8	2.2
R7	0.1	0.1	2.6	2.7	2.2
R8	0.2	0.2	2.6	2.8	2.2
R9	0.2	0.1	2.6	2.8	2.2
R10	0.2	0.2	2.6	2.8	2.2
R11	0.2	0.1	2.6	2.8	2.2
R12	0.1	0.1	2.6	2.7	2.2
R13	0.2	0.2	2.6	2.8	2.3
R14	0.3	0.2	2.6	2.9	2.3
R15	0.3	0.2	2.6	2.9	2.3
R16	0.3	0.2	2.6	2.9	2.3
R17	0.3	0.2	2.6	2.9	2.3
R18	0.3	0.3	2.6	2.9	2.3
R19	0.5	0.4	2.6	3.1	2.5
R20	0.3	0.2	2.6	2.9	2.3
R21	0.1	0.1	2.6	2.7	2.2
R22	0.2	0.2	2.6	2.8	2.2
R23	0.1	0.1	2.6	2.7	2.2
R24	0.1	0.1	2.6	2.7	2.2
R25	0.2	0.1	2.6	2.8	2.2
R26	0.4	0.3	2.6	3.0	2.4
R27	0.2	0.1	2.6	2.8	2.2
R28	0.3	0.2	2.6	2.9	2.3
R29	0.3	0.3	2.6	2.9	2.3
R30	0.1	0.1	2.6	2.7	2.2
R31	0.1	0.1	2.6	2.7	2.2
R32	0.2	0.1	2.6	2.8	2.2
R33	0.3	0.2	2.6	2.9	2.3
R34	0.3	0.2	2.6	2.9	2.3
R35	0.2	0.2	2.6	2.8	2.3
R36	0.2	0.2	2.6	2.8	2.3
R37	0.1	0.1	2.6	2.7	2.2
R38	0.2	0.2	2.6	2.8	2.3
R39	0.2	0.2	2.6	2.8	2.2
R40	0.2	0.1	2.6	2.8	2.2
R41	0.1	0.1	2.6	2.7	2.2

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R42	0.2	0.1	2.6	2.8	2.2
R43	0.1	0.1	2.6	2.7	2.2
R44	0.1	0.1	2.6	2.7	2.2
R45	0.1	0.1	2.6	2.7	2.2
R46	0.1	0.1	2.6	2.7	2.2
R47	0.1	0.1	2.6	2.7	2.2
R48	0.1	0.1	2.6	2.7	2.2

Table A8-3.29: Predicted Hourly Mean SO₂ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 1 (Combined Loop Re-gasification and CTG)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R1	0.4	0.1	2.6	3.0	0.8
R2	0.4	0.1	2.6	3.0	0.8
R3	0.4	0.1	2.6	3.0	0.9
R4	0.5	0.1	2.6	3.1	0.9
R5	0.5	0.1	2.6	3.1	0.9
R6	0.7	0.2	2.6	3.3	1.0
R7	0.5	0.1	2.6	3.1	0.9
R8	0.7	0.2	2.6	3.3	0.9
R9	0.6	0.2	2.6	3.2	0.9
R10	0.6	0.2	2.6	3.2	0.9
R11	0.6	0.2	2.6	3.2	0.9
R12	0.4	0.1	2.6	3.0	0.9
R13	0.8	0.2	2.6	3.4	1.0
R14	0.8	0.2	2.6	3.4	1.0
R15	0.9	0.3	2.6	3.5	1.0
R16	0.9	0.3	2.6	3.5	1.0
R17	1.0	0.3	2.6	3.6	1.0
R18	1.2	0.3	2.6	3.8	1.1
R19	1.5	0.4	2.6	4.1	1.2
R20	1.0	0.3	2.6	3.6	1.0
R21	0.5	0.1	2.6	3.1	0.9
R22	0.7	0.2	2.6	3.3	1.0
R23	0.5	0.1	2.6	3.1	0.9
R24	0.4	0.1	2.6	3.0	0.9
R25	0.6	0.2	2.6	3.2	0.9
R26	1.1	0.3	2.6	3.7	1.1
R27	0.7	0.2	2.6	3.3	0.9
R28	1.0	0.3	2.6	3.6	1.0
R29	1.0	0.3	2.6	3.6	1.0
R30	0.7	0.2	2.6	3.3	0.9

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R31	0.6	0.2	2.6	3.2	0.9
R32	0.7	0.2	2.6	3.3	0.9
R33	0.9	0.3	2.6	3.5	1.0
R34	0.9	0.2	2.6	3.5	1.0
R35	0.7	0.2	2.6	3.3	1.0
R36	0.7	0.2	2.6	3.3	0.9
R37	0.7	0.2	2.6	3.3	0.9
R38	0.7	0.2	2.6	3.3	1.0
R39	0.7	0.2	2.6	3.3	0.9
R40	0.7	0.2	2.6	3.3	0.9
R41	0.6	0.2	2.6	3.2	0.9
R42	0.6	0.2	2.6	3.2	0.9
R43	0.5	0.2	2.6	3.1	0.9
R44	0.6	0.2	2.6	3.2	0.9
R45	0.6	0.2	2.6	3.2	0.9
R46	0.6	0.2	2.6	3.2	0.9
R47	0.4	0.1	2.6	3.0	0.9
R48	0.4	0.1	2.6	3.0	0.9

Table A8-3.30: Predicted 15-minute Mean SO2 Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 1 (Combined Loop Re-gasification and CTG)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	0.8	0.3	2.6	3.4	1.3
R2	0.7	0.2	2.6	3.3	1.2
R3	0.9	0.3	2.6	3.5	1.3
R4	0.9	0.3	2.6	3.5	1.3
R5	0.9	0.3	2.6	3.5	1.3
R6	1.3	0.5	2.6	3.9	1.5
R7	0.8	0.3	2.6	3.4	1.3
R8	1.2	0.5	2.6	3.8	1.4
R9	1.1	0.4	2.6	3.7	1.4
R10	1.2	0.4	2.6	3.8	1.4
R11	1.3	0.5	2.6	3.9	1.5
R12	0.8	0.3	2.6	3.4	1.3
R13	1.4	0.5	2.6	4.0	1.5
R14	1.6	0.6	2.6	4.2	1.6
R15	1.7	0.6	2.6	4.3	1.6
R16	1.8	0.7	2.6	4.4	1.7
R17	2.1	0.8	2.6	4.7	1.8
R18	2.3	0.9	2.6	4.9	1.8
R19	2.5	0.9	2.6	5.1	1.9

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R20	2.0	0.8	2.6	4.6	1.7
R21	0.9	0.3	2.6	3.5	1.3
R22	1.2	0.5	2.6	3.8	1.4
R23	0.6	0.2	2.6	3.2	1.2
R24	0.6	0.2	2.6	3.2	1.2
R25	1.0	0.4	2.6	3.6	1.4
R26	1.6	0.6	2.6	4.2	1.6
R27	1.1	0.4	2.6	3.7	1.4
R28	1.6	0.6	2.6	4.2	1.6
R29	1.8	0.7	2.6	4.4	1.7
R30	1.0	0.4	2.6	3.6	1.3
R31	0.9	0.3	2.6	3.5	1.3
R32	1.2	0.5	2.6	3.8	1.4
R33	1.5	0.6	2.6	4.1	1.5
R34	1.5	0.6	2.6	4.1	1.6
R35	1.4	0.5	2.6	4.0	1.5
R36	1.3	0.5	2.6	3.9	1.5
R37	1.5	0.6	2.6	4.1	1.5
R38	1.4	0.5	2.6	4.0	1.5
R39	1.3	0.5	2.6	3.9	1.5
R40	1.2	0.5	2.6	3.8	1.4
R41	1.2	0.4	2.6	3.8	1.4
R42	1.0	0.4	2.6	3.6	1.4
R43	1.0	0.4	2.6	3.6	1.4
R44	1.2	0.5	2.6	3.8	1.4
R45	1.5	0.6	2.6	4.1	1.6
R46	1.2	0.4	2.6	3.8	1.4
R47	0.8	0.3	2.6	3.4	1.3
R48	0.8	0.3	2.6	3.4	1.3

Table A8-3.31: Predicted Annual Mean C6H6 Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 1 (Combined Loop Re-gasification and CTG)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. As a Proportion of AQ Standard (%)
R1	<0.1	0.9	0.2	0.2	4.9
R2	0.1	1.1	0.2	0.3	5.1
R3	0.1	1.5	0.2	0.3	5.5
R4	0.1	1.6	0.2	0.3	5.6
R5	0.1	1.7	0.2	0.3	5.7
R6	0.1	2.1	0.2	0.3	6.1
R7	0.2	3.2	0.2	0.4	7.2
R8	0.1	2.4	0.2	0.3	6.4

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. As a Proportion of AQ Standard (%)
R9	0.1	2.6	0.2	0.3	6.6
R10	0.2	3.1	0.2	0.4	7.1
R11	0.1	2.1	0.2	0.3	6.1
R12	0.1	2.8	0.2	0.3	6.8
R13	0.2	4.3	0.2	0.4	8.3
R14	0.2	4.6	0.2	0.4	8.6
R15	0.2	4.8	0.2	0.4	8.8
R16	0.3	5.1	0.2	0.5	9.1
R17	0.2	4.0	0.2	0.4	8.0
R18	0.2	4.8	0.2	0.4	8.8
R19	0.4	7.3	0.2	0.6	11.3
R20	0.2	3.5	0.2	0.4	7.5
R21	0.1	1.4	0.2	0.3	5.4
R22	0.1	2.7	0.2	0.3	6.7
R23	0.1	1.7	0.2	0.3	5.7
R24	0.1	1.4	0.2	0.3	5.4
R25	0.1	2.4	0.2	0.3	6.4
R26	0.3	5.3	0.2	0.5	9.3
R27	0.2	3.0	0.2	0.4	7.0
R28	0.2	4.5	0.2	0.4	8.5
R29	0.2	5.0	0.2	0.4	9.0
R30	0.1	2.4	0.2	0.3	6.4
R31	0.1	2.1	0.2	0.3	6.1
R32	0.1	2.7	0.2	0.3	6.7
R33	0.2	4.0	0.2	0.4	8.0
R34	0.2	4.2	0.2	0.4	8.2
R35	0.1	3.0	0.2	0.3	7.0
R36	0.2	3.0	0.2	0.4	7.0
R37	0.2	3.1	0.2	0.4	7.1
R38	0.2	3.2	0.2	0.4	7.2
R39	0.1	2.8	0.2	0.3	6.8
R40	0.1	2.7	0.2	0.3	6.7
R41	0.1	2.6	0.2	0.3	6.6
R42	0.2	4.1	0.2	0.4	8.1
R43	0.2	3.3	0.2	0.4	7.3
R44	0.1	2.6	0.2	0.3	6.6
R45	0.1	2.7	0.2	0.3	6.7
R46	0.1	2.6	0.2	0.3	6.6
R47	0.1	2.5	0.2	0.3	6.5
R48	0.1	2.5	0.2	0.3	6.5

Table A8-3.32: Predicted Hourly Maximum C6H6 Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 1 (Combined Loop Re-gasification and CTG)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. As a Proportion of AQ Standard (%)
R1	5.8	3.0	0.3	6.1	3.1
R2	6.2	3.2	0.3	6.5	3.3
R3	7.5	3.9	0.3	7.8	4.0
R4	8.7	4.4	0.3	9.0	4.6
R5	8.2	4.2	0.3	8.5	4.3
R6	11.3	5.8	0.3	11.6	5.9
R7	6.9	3.5	0.3	7.2	3.7
R8	10.9	5.6	0.3	11.2	5.8
R9	9.7	5.0	0.3	10.0	5.1
R10	11.4	5.8	0.3	11.7	6.0
R11	8.4	4.3	0.3	8.7	4.5
R12	7.0	3.6	0.3	7.3	3.8
R13	14.7	7.5	0.3	15.0	7.7
R14	15.0	7.7	0.3	15.3	7.8
R15	15.8	8.1	0.3	16.1	8.3
R16	16.2	8.3	0.3	16.5	8.5
R17	13.4	6.9	0.3	13.7	7.0
R18	14.2	7.3	0.3	14.5	7.4
R19	18.3	9.4	0.3	18.6	9.5
R20	15.7	8.0	0.3	16.0	8.2
R21	8.1	4.2	0.3	8.4	4.3
R22	15.5	8.0	0.3	15.8	8.1
R23	12.2	6.3	0.3	12.5	6.4
R24	10.2	5.2	0.3	10.5	5.4
R25	11.7	6.0	0.3	12.0	6.2
R26	19.6	10.1	0.3	19.9	10.2
R27	13.3	6.8	0.3	13.6	7.0
R28	16.0	8.2	0.3	16.3	8.4
R29	17.1	8.8	0.3	17.4	8.9
R30	11.0	5.6	0.3	11.3	5.8
R31	9.9	5.1	0.3	10.2	5.2
R32	11.8	6.1	0.3	12.1	6.2
R33	13.2	6.8	0.3	13.5	6.9
R34	13.8	7.1	0.3	14.1	7.2
R35	9.1	4.7	0.3	9.4	4.8
R36	10.4	5.3	0.3	10.7	5.5
R37	10.6	5.5	0.3	10.9	5.6
R38	11.0	5.7	0.3	11.3	5.8
R39	9.6	4.9	0.3	9.9	5.1
R40	8.1	4.2	0.3	8.4	4.3
R41	6.9	3.5	0.3	7.2	3.7

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. As a Proportion of AQ Standard (%)
R42	8.8	4.5	0.3	9.1	4.7
R43	8.7	4.4	0.3	9.0	4.6
R44	6.7	3.5	0.3	7.0	3.6
R45	6.9	3.6	0.3	7.2	3.7
R46	6.6	3.4	0.3	6.9	3.5
R47	6.3	3.2	0.3	6.6	3.4
R48	6.3	3.2	0.3	6.6	3.4

Table A8-3.33: Predicted Hourly Maximum CH2O Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 1 (Combined Loop Re-gasification and CTG)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	2.7	2.7	<0.1	2.7	2.7
R2	2.8	2.8	<0.1	2.8	2.8
R3	3.2	3.2	<0.1	3.2	3.2
R4	3.8	3.8	<0.1	3.8	3.8
R5	3.4	3.4	<0.1	3.4	3.4
R6	5.2	5.2	<0.1	5.2	5.2
R7	3.0	3.0	<0.1	3.0	3.0
R8	4.7	4.7	<0.1	4.7	4.7
R9	4.3	4.3	<0.1	4.3	4.3
R10	5.1	5.1	<0.1	5.1	5.1
R11	3.6	3.6	<0.1	3.6	3.6
R12	3.1	3.1	<0.1	3.1	3.1
R13	6.7	6.7	<0.1	6.7	6.7
R14	6.8	6.8	<0.1	6.8	6.8
R15	7.2	7.2	<0.1	7.2	7.2
R16	7.4	7.4	<0.1	7.4	7.4
R17	6.2	6.2	<0.1	6.2	6.2
R18	6.4	6.4	<0.1	6.4	6.4
R19	8.5	8.5	<0.1	8.5	8.5
R20	6.9	6.9	<0.1	6.9	6.9
R21	3.6	3.6	<0.1	3.6	3.6
R22	7.1	7.1	<0.1	7.1	7.1
R23	5.7	5.7	<0.1	5.7	5.7
R24	4.7	4.7	<0.1	4.7	4.7
R25	5.3	5.3	<0.1	5.3	5.3
R26	9.2	9.2	<0.1	9.2	9.2
R27	6.2	6.2	<0.1	6.2	6.2

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R28	7.3	7.3	<0.1	7.3	7.3
R29	7.9	7.9	<0.1	7.9	7.9
R30	4.8	4.8	<0.1	4.8	4.8
R31	4.5	4.5	<0.1	4.5	4.5
R32	5.3	5.3	<0.1	5.3	5.3
R33	6.2	6.2	<0.1	6.2	6.2
R34	6.4	6.4	<0.1	6.4	6.4
R35	4.1	4.1	<0.1	4.1	4.1
R36	4.8	4.8	<0.1	4.8	4.8
R37	4.8	4.8	<0.1	4.8	4.8
R38	5.1	5.1	<0.1	5.1	5.1
R39	4.4	4.4	<0.1	4.4	4.4
R40	3.8	3.8	<0.1	3.8	3.8
R41	3.1	3.1	<0.1	3.1	3.1
R42	4.1	4.1	<0.1	4.1	4.1
R43	4.1	4.1	<0.1	4.1	4.1
R44	3.1	3.1	<0.1	3.1	3.1
R45	3.1	3.1	<0.1	3.1	3.1
R46	3.1	3.1	<0.1	3.1	3.1
R47	2.9	2.9	<0.1	2.9	2.9
R48	2.9	2.9	<0.1	2.9	2.9

Table A8-3.34: Predicted Annual Mean NOX Process Contribution and Predicted Environmental Concentration at Nature Conservation Receptors – Sensitivity Scenario 1 (Combined Loop Re-gasification and CTG)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
E1	0.2	0.7	6.2	6.4	21.4
E2	0.2	0.6	6.2	6.4	21.3
E3	0.2	0.7	6.2	6.4	21.3
E4	0.2	0.7	6.2	6.4	21.3
E5	0.2	0.6	6.2	6.4	21.3
E6	0.4	1.4	6.2	6.6	22.0
E7	0.4	1.3	6.2	6.6	22.0
E8	0.4	1.4	6.2	6.6	22.0
E9	0.4	1.3	6.2	6.6	22.0
E10	0.4	1.2	6.2	6.6	21.9
E11	0.1	0.3	6.2	6.3	21.0
E12	0.5	1.5	6.2	6.7	22.2
E13	0.4	1.5	6.2	6.6	22.2
E14	0.3	1.0	6.2	6.5	21.6
E15	0.2	0.8	6.2	6.4	21.5
E16	0.2	0.6	6.2	6.4	21.3

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
E17	0.2	0.8	6.2	6.4	21.4
E18	0.2	0.6	6.2	6.4	21.3
E19	0.3	0.8	6.2	6.5	21.5
E20	0.2	0.6	6.2	6.4	21.3
E21	0.5	1.6	6.2	6.7	22.3
E22	0.3	1.1	6.2	6.5	21.8
E23	0.3	1.2	6.2	6.5	21.8
E24	0.1	0.3	6.2	6.3	21.0
E25	0.1	0.3	6.2	6.3	21.0
E26	0.1	0.3	6.2	6.3	20.9
E27	0.1	0.3	6.2	6.3	21.0
E28	0.1	0.3	6.2	6.3	21.0
E29	0.1	0.3	6.2	6.3	21.0
E30	0.1	0.3	6.2	6.3	21.0
E31	<0.1	0.1	6.2	6.2	20.7

Table A8-3.35: Predicted Daily Maximum NOX Process Contribution and Predicted Environmental Concentration at Nature Conservation Receptors – Sensitivity Scenario 1 (Combined Loop Re-gasification and CTG)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
E1	16.2	21.6	12.4	28.6	38.1
E2	14.4	19.1	12.4	26.8	35.7
E3	16.6	22.2	12.4	29.0	38.7
E4	17.2	22.9	12.4	29.6	39.5
E5	8.8	11.8	12.4	21.2	28.3
E6	12.5	16.7	12.4	24.9	33.2
E7	15.4	20.6	12.4	27.8	37.1
E8	18.6	24.8	12.4	31.0	41.4
E9	17.0	22.6	12.4	29.4	39.1
E10	15.3	20.5	12.4	27.7	37.0
E11	9.1	12.1	12.4	21.5	28.6
E12	19.1	25.5	12.4	31.5	42.1
E13	13.3	17.8	12.4	25.7	34.3
E14	20.8	27.7	12.4	33.2	44.3
E15	17.8	23.7	12.4	30.2	40.2
E16	16.1	21.4	12.4	28.5	38.0
E17	16.5	22.1	12.4	28.9	38.6
E18	15.2	20.2	12.4	27.6	36.8
E19	12.8	17.0	12.4	25.2	33.6
E20	9.7	12.9	12.4	22.1	29.5
E21	15.7	21.0	12.4	28.1	37.5
E22	10.5	14.0	12.4	22.9	30.5

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
E23	14.1	18.7	12.4	26.5	35.3
E24	8.7	11.6	12.4	21.1	28.1
E25	7.8	10.4	12.4	20.2	26.9
E26	5.7	7.6	12.4	18.1	24.1
E27	6.7	9.0	12.4	19.1	25.5
E28	8.2	11.0	12.4	20.6	27.5
E29	8.3	11.0	12.4	20.7	27.6
E30	7.1	9.5	12.4	19.5	26.1
E31	3.0	4.0	12.4	15.4	20.5

Table A8-3.36: Predicted Annual Mean SO2 Process Contribution and Predicted Environmental Concentration at Nature Conservation Receptors – Sensitivity Scenario 1 (Combined Loop Re-gasification and CTG)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
E1	<0.1	<0.1	1.3	1.3	6.5
E2	<0.1	<0.1	1.3	1.3	6.5
E3	<0.1	<0.1	1.3	1.3	6.5
E4	<0.1	<0.1	1.3	1.3	6.5
E5	<0.1	<0.1	1.3	1.3	6.5
E6	<0.1	<0.1	1.3	1.3	6.5
E7	<0.1	<0.1	1.3	1.3	6.5
E8	<0.1	<0.1	1.3	1.3	6.5
E9	<0.1	<0.1	1.3	1.3	6.5
E10	<0.1	<0.1	1.3	1.3	6.5
E11	<0.1	<0.1	1.3	1.3	6.5
E12	<0.1	<0.1	1.3	1.3	6.5
E13	<0.1	<0.1	1.3	1.3	6.5
E14	<0.1	<0.1	1.3	1.3	6.5
E15	<0.1	<0.1	1.3	1.3	6.5
E16	<0.1	<0.1	1.3	1.3	6.5
E17	<0.1	<0.1	1.3	1.3	6.5
E18	<0.1	<0.1	1.3	1.3	6.5
E19	<0.1	<0.1	1.3	1.3	6.5
E20	<0.1	<0.1	1.3	1.3	6.5
E21	<0.1	<0.1	1.3	1.3	6.5
E22	<0.1	<0.1	1.3	1.3	6.5
E23	<0.1	<0.1	1.3	1.3	6.5
E24	<0.1	<0.1	1.3	1.3	6.5
E25	<0.1	<0.1	1.3	1.3	6.5
E26	<0.1	<0.1	1.3	1.3	6.5
E27	<0.1	<0.1	1.3	1.3	6.5
E28	<0.1	<0.1	1.3	1.3	6.5

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
E29	<0.1	<0.1	1.3	1.3	6.5
E30	<0.1	<0.1	1.3	1.3	6.5
E31	<0.1	<0.1	1.3	1.3	6.5

Table A8-3.37: Predicted Annual Mean Nitrogen Deposition Process Contribution and Predicted Environmental Concentration at Nature Conservation Receptors – Sensitivity Scenario 1 (Combined Loop Re-gasification and CTG)

Receptor	Process Cont. (kg N/ha/yr)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (kg N/ha/yr)	Predicted Env. Conc. (kg N/ha/yr)	Predicted Env Conc. as a Proportion of AQ Standard (%)
E1	<0.1	0.2	12.0	12.0	60.2
E2	<0.1	0.1	12.0	12.0	60.1
E3	<0.1	0.1	12.0	12.0	60.1
E4	<0.1	0.1	12.0	12.0	60.1
E5	<0.1	0.1	12.0	12.0	60.1
E6	0.1	0.3	12.0	12.1	60.3
E7	0.1	0.3	12.0	12.1	60.3
E8	0.1	0.3	12.0	12.1	60.3
E9	0.1	0.3	12.0	12.1	60.3
E10	0.1	0.3	12.0	12.1	60.3
E11	<0.1	0.1	12.0	12.0	60.1
E12	0.1	0.3	12.0	12.1	60.3
E13	0.1	0.3	12.0	12.1	60.3
E14	<0.1	0.2	12.0	12.0	60.2
E15	<0.1	0.2	12.0	12.0	60.2
E16	<0.1	0.1	12.0	12.0	60.1
E17	<0.1	0.2	12.0	12.0	60.2
E18	<0.1	0.1	12.0	12.0	60.1
E19	<0.1	0.2	12.0	12.0	60.2
E20	<0.1	0.1	12.0	12.0	60.1
E21	0.1	0.4	12.0	12.1	60.4
E22	<0.1	0.2	12.0	12.0	60.2
E23	<0.1	0.2	12.0	12.0	60.2
E24	<0.1	0.1	12.0	12.0	60.1
E25	<0.1	0.1	12.0	12.0	60.1
E26	<0.1	0.1	12.0	12.0	60.1
E27	<0.1	0.1	12.0	12.0	60.1
E28	<0.1	0.1	12.0	12.0	60.1
E29	<0.1	0.1	12.0	12.0	60.1
E30	<0.1	0.1	12.0	12.0	60.1
E31	<0.1	<0.1	12.0	12.0	60.1

Table A8-3.38: Predicted Annual Mean Acid Deposition Process Contribution and Predicted Environmental Concentration at Nature Conservation Receptors¹ – Sensitivity Scenario 1 (Combined Loop Re-gasification and CTG)

Receptor	Process Cont. (kg N/ha/yr)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (kg N/ha/yr)	Predicted Env. Conc. (kg N/ha/yr)	Predicted Env Conc. as a Proportion of AQ Standard (%)
E11	<0.01	<0.1	0.5	0.50	88.0
E12	0.01	1.8	0.5	0.51	89.8
E24	<0.01	0.1	0.5	0.50	50.0
E25	<0.01	0.1	0.5	0.50	50.0
E26	<0.01	0.1	0.5	0.50	50.0
E27	<0.01	0.1	0.5	0.50	50.0
E28	<0.01	0.1	0.5	0.50	50.0
E29	<0.01	0.1	0.5	0.50	50.0
E30	<0.01	0.1	0.5	0.50	50.0
E31	<0.01	<0.1	0.5	0.50	73.2

Notes:

¹ Receptor E1 to E10 and E13 to E23 are not considered to be sensitive to acid deposition impacts.

Sensitivity Scenario 2 (Closed Loop Re-gasification and CCGT)

Table A8-3.39: Predicted Annual Mean NO₂ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 2 (Closed Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R1	0.5	1.2	4.3	4.8	11.9
R2	0.6	1.6	4.3	4.9	12.3
R3	0.9	2.3	4.3	5.2	13.1
R4	1.0	2.6	4.3	5.3	13.3
R5	1.1	2.7	4.3	5.4	13.5
R6	1.3	3.3	4.3	5.6	14.0
R7	1.3	3.3	4.3	5.6	14.0
R8	1.8	4.5	4.3	6.1	15.2
R9	1.8	4.5	4.3	6.1	15.2
R10	2.3	5.7	4.3	6.6	16.4
R11	1.1	2.7	4.3	5.4	13.5
R12	1.1	2.7	4.3	5.4	13.4
R13	3.1	7.7	4.3	7.4	18.4
R14	3.2	7.9	4.3	7.5	18.6
R15	2.6	6.4	4.3	6.9	17.2
R16	2.9	7.2	4.3	7.2	17.9
R17	1.6	3.9	4.3	5.9	14.7
R18	2.1	5.3	4.3	6.4	16.0
R19	5.9	14.7	4.3	10.2	25.5
R20	2.4	5.9	4.3	6.7	16.7
R21	0.9	2.2	4.3	5.2	13.0

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R22	2.5	6.2	4.3	6.8	17.0
R23	1.8	4.5	4.3	6.1	15.3
R24	1.5	3.7	4.3	5.8	14.5
R25	2.0	4.9	4.3	6.3	15.7
R26	5.4	13.6	4.3	9.7	24.4
R27	1.8	4.6	4.3	6.1	15.3
R28	3.2	8.0	4.3	7.5	18.7
R29	3.6	9.0	4.3	7.9	19.8
R30	1.4	3.6	4.3	5.7	14.4
R31	1.3	3.4	4.3	5.6	14.1
R32	1.4	3.6	4.3	5.7	14.3
R33	2.4	5.9	4.3	6.7	16.6
R34	2.7	6.8	4.3	7.0	17.6
R35	1.5	3.8	4.3	5.8	14.5
R36	1.7	4.4	4.3	6.0	15.1
R37	1.2	3.1	4.3	5.5	13.9
R38	2.0	5.1	4.3	6.3	15.8
R39	1.7	4.2	4.3	6.0	14.9
R40	1.6	4.0	4.3	5.9	14.8
R41	1.5	3.7	4.3	5.8	14.4
R42	2.0	5.0	4.3	6.3	15.8
R43	1.5	3.9	4.3	5.8	14.6
R44	1.4	3.6	4.3	5.7	14.3
R45	1.1	2.8	4.3	5.4	13.5
R46	1.4	3.4	4.3	5.7	14.2
R47	1.1	2.8	4.3	5.4	13.6
R48	1.1	2.8	4.3	5.4	13.6

Table A8-3.40: Predicted Hourly Mean NO2 Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 2 (Closed Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	15.5	7.7	8.7	24.2	12.1
R2	20.2	10.1	8.7	28.9	14.5
R3	25.3	12.7	8.7	34.0	17.0
R4	28.0	14.0	8.7	36.7	18.3
R5	28.6	14.3	8.7	37.3	18.6
R6	38.2	19.1	8.7	46.9	23.5
R7	15.3	7.6	8.7	24.0	12.0
R8	39.0	19.5	8.7	47.7	23.8
R9	32.9	16.4	8.7	41.6	20.8
R10	38.4	19.2	8.7	47.1	23.6

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R11	24.6	12.3	8.7	33.3	16.6
R12	15.0	7.5	8.7	23.7	11.8
R13	46.7	23.4	8.7	55.4	27.7
R14	50.1	25.0	8.7	58.8	29.4
R15	42.6	21.3	8.7	51.3	25.6
R16	46.3	23.1	8.7	55.0	27.5
R17	26.8	13.4	8.7	35.5	17.7
R18	33.0	16.5	8.7	41.7	20.8
R19	59.7	29.8	8.7	68.4	34.2
R20	34.7	17.3	8.7	43.4	21.7
R21	22.2	11.1	8.7	30.9	15.5
R22	33.5	16.8	8.7	42.2	21.1
R23	27.0	13.5	8.7	35.7	17.8
R24	24.8	12.4	8.7	33.5	16.7
R25	26.8	13.4	8.7	35.5	17.8
R26	48.4	24.2	8.7	57.1	28.6
R27	23.1	11.5	8.7	31.8	15.9
R28	31.9	16.0	8.7	40.6	20.3
R29	35.1	17.6	8.7	43.8	21.9
R30	20.3	10.2	8.7	29.0	14.5
R31	19.9	1<0.1	8.7	28.6	14.3
R32	20.8	10.4	8.7	29.5	14.8
R33	27.1	13.6	8.7	35.8	17.9
R34	29.2	14.6	8.7	37.9	18.9
R35	18.9	9.4	8.7	27.6	13.8
R36	21.7	10.9	8.7	30.4	15.2
R37	22.0	11.0	8.7	30.7	15.4
R38	23.4	11.7	8.7	32.1	16.0
R39	21.3	10.7	8.7	30.0	15.0
R40	18.7	9.4	8.7	27.4	13.7
R41	16.1	8.1	8.7	24.8	12.4
R42	17.8	8.9	8.7	26.5	13.3
R43	16.8	8.4	8.7	25.5	12.7
R44	15.2	7.6	8.7	23.9	12.0
R45	15.1	7.5	8.7	23.8	11.9
R46	14.5	7.3	8.7	23.2	11.6
R47	14.0	7.0	8.7	22.7	11.3
R48	14.0	7.0	8.7	22.7	11.3

Table A8-3.41: Predicted Annual Mean PM10 Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 2 (Closed Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	<0.1	<0.1	9	9.0	22.5
R2	<0.1	<0.1	9	9.0	22.5
R3	<0.1	0.1	9	9.0	22.6
R4	<0.1	0.1	9	9.0	22.6
R5	<0.1	0.1	9	9.0	22.6
R6	<0.1	0.1	9	9.0	22.6
R7	<0.1	0.1	9	9.0	22.6
R8	<0.1	0.1	9	9.0	22.6
R9	<0.1	0.1	9	9.0	22.6
R10	<0.1	0.1	9	9.0	22.6
R11	<0.1	0.1	9	9.0	22.6
R12	<0.1	0.1	9	9.0	22.6
R13	0.1	0.1	9	9.1	22.6
R14	0.1	0.2	9	9.1	22.7
R15	0.1	0.2	9	9.1	22.7
R16	0.1	0.2	9	9.1	22.7
R17	0.1	0.1	9	9.1	22.6
R18	0.1	0.2	9	9.1	22.7
R19	0.1	0.2	9	9.1	22.7
R20	<0.1	0.1	9	9.0	22.6
R21	<0.1	0.1	9	9.0	22.6
R22	<0.1	0.1	9	9.0	22.6
R23	<0.1	0.1	9	9.0	22.6
R24	<0.1	<0.1	9	9.0	22.5
R25	<0.1	0.1	9	9.0	22.6
R26	0.1	0.2	9	9.1	22.7
R27	<0.1	0.1	9	9.0	22.6
R28	0.1	0.2	9	9.1	22.7
R29	0.1	0.2	9	9.1	22.7
R30	<0.1	0.1	9	9.0	22.6
R31	<0.1	0.1	9	9.0	22.6
R32	<0.1	0.1	9	9.0	22.6
R33	0.1	0.2	9	9.1	22.7
R34	0.1	0.1	9	9.1	22.6
R35	<0.1	0.1	9	9.0	22.6
R36	<0.1	0.1	9	9.0	22.6
R37	<0.1	0.1	9	9.0	22.6
R38	<0.1	0.1	9	9.0	22.6
R39	<0.1	0.1	9	9.0	22.6
R40	<0.1	0.1	9	9.0	22.6
R41	<0.1	0.1	9	9.0	22.6

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R42	0.1	0.1	9	9.1	22.6
R43	<0.1	0.1	9	9.0	22.6
R44	<0.1	0.1	9	9.0	22.6
R45	<0.1	0.1	9	9.0	22.6
R46	<0.1	0.1	9	9.0	22.6
R47	<0.1	0.1	9	9.0	22.6
R48	<0.1	0.1	9	9.0	22.6

Table A8-3.42: Predicted Daily Mean PM10 Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 2 (Closed Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. As a Proportion of AQ Standard (%)
R1	0.1	0.3	18	18.1	36.3
R2	0.2	0.3	18	18.2	36.3
R3	0.2	0.4	18	18.2	36.4
R4	0.2	0.5	18	18.2	36.5
R5	0.2	0.5	18	18.2	36.5
R6	0.4	0.7	18	18.4	36.7
R7	0.3	0.6	18	18.3	36.6
R8	0.4	0.7	18	18.4	36.7
R9	0.3	0.6	18	18.3	36.6
R10	0.4	0.7	18	18.4	36.7
R11	0.3	0.6	18	18.3	36.6
R12	0.3	0.6	18	18.3	36.6
R13	0.6	1.2	18	18.6	37.2
R14	0.6	1.3	18	18.6	37.3
R15	0.7	1.4	18	18.7	37.4
R16	0.7	1.4	18	18.7	37.4
R17	0.6	1.2	18	18.6	37.2
R18	0.7	1.4	18	18.7	37.4
R19	0.8	1.7	18	18.8	37.7
R20	0.4	0.9	18	18.4	36.9
R21	0.2	0.4	18	18.2	36.4
R22	0.3	0.6	18	18.3	36.6
R23	0.2	0.4	18	18.2	36.4
R24	0.2	0.3	18	18.2	36.3
R25	0.3	0.7	18	18.3	36.7
R26	0.9	1.8	18	18.9	37.8
R27	0.5	0.9	18	18.5	36.9
R28	0.8	1.6	18	18.8	37.6
R29	0.9	1.8	18	18.9	37.8
R30	0.3	0.7	18	18.3	36.7

Receptor	Process Cont. ($\mu\text{g}/\text{m}^3$)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. ($\mu\text{g}/\text{m}^3$)	Predicted Env. Conc. ($\mu\text{g}/\text{m}^3$)	Predicted Env Conc. As a Proportion of AQ Standard (%)
R31	0.3	0.6	18	18.3	36.6
R32	0.4	0.8	18	18.4	36.8
R33	0.7	1.4	18	18.7	37.4
R34	0.6	1.2	18	18.6	37.2
R35	0.5	1.0	18	18.5	37.0
R36	0.5	1.0	18	18.5	37.0
R37	0.3	0.5	18	18.3	36.5
R38	0.4	0.9	18	18.4	36.9
R39	0.4	0.8	18	18.4	36.8
R40	0.4	0.7	18	18.4	36.7
R41	0.3	0.6	18	18.3	36.6
R42	0.4	0.8	18	18.4	36.8
R43	0.4	0.7	18	18.4	36.7
R44	0.3	0.6	18	18.3	36.6
R45	0.2	0.5	18	18.2	36.5
R46	0.3	0.6	18	18.3	36.6
R47	0.3	0.5	18	18.3	36.5
R48	0.3	0.5	18	18.3	36.5

Table A8-3.43: Predicted Annual Mean PM2.5 Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 2 (Closed Loop Re-gasification and CCGT)

Receptor	Process Cont. ($\mu\text{g}/\text{m}^3$)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. ($\mu\text{g}/\text{m}^3$)	Predicted Env. Conc. ($\mu\text{g}/\text{m}^3$)	Predicted Env Conc. As a Proportion of AQ Standard (%)
R1	<0.1	0.1	4	4.0	16.1
R2	<0.1	0.1	4	4.0	16.1
R3	<0.1	0.1	4	4.0	16.1
R4	<0.1	0.1	4	4.0	16.1
R5	<0.1	0.1	4	4.0	16.1
R6	<0.1	0.1	4	4.0	16.1
R7	<0.1	0.2	4	4.0	16.2
R8	<0.1	0.1	4	4.0	16.1
R9	<0.1	0.2	4	4.0	16.2
R10	<0.1	0.2	4	4.0	16.2
R11	<0.1	0.1	4	4.0	16.1
R12	<0.1	0.2	4	4.0	16.2
R13	0.1	0.2	4	4.1	16.2
R14	0.1	0.3	4	4.1	16.3
R15	0.1	0.3	4	4.1	16.3
R16	0.1	0.3	4	4.1	16.3
R17	0.1	0.2	4	4.1	16.2
R18	0.1	0.3	4	4.1	16.3
R19	0.1	0.4	4	4.1	16.4

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. As a Proportion of AQ Standard (%)
R20	<0.1	0.2	4	4.0	16.2
R21	<0.1	0.1	4	4.0	16.1
R22	<0.1	0.1	4	4.0	16.1
R23	<0.1	0.1	4	4.0	16.1
R24	<0.1	0.1	4	4.0	16.1
R25	<0.1	0.1	4	4.0	16.1
R26	0.1	0.3	4	4.1	16.3
R27	<0.1	0.2	4	4.0	16.2
R28	0.1	0.3	4	4.1	16.3
R29	0.1	0.3	4	4.1	16.3
R30	<0.1	0.1	4	4.0	16.1
R31	<0.1	0.1	4	4.0	16.1
R32	<0.1	0.2	4	4.0	16.2
R33	0.1	0.3	4	4.1	16.3
R34	0.1	0.2	4	4.1	16.2
R35	<0.1	0.2	4	4.0	16.2
R36	<0.1	0.2	4	4.0	16.2
R37	<0.1	0.2	4	4.0	16.2
R38	<0.1	0.2	4	4.0	16.2
R39	<0.1	0.2	4	4.0	16.2
R40	<0.1	0.2	4	4.0	16.2
R41	<0.1	0.1	4	4.0	16.1
R42	0.1	0.2	4	4.1	16.2
R43	<0.1	0.2	4	4.0	16.2
R44	<0.1	0.1	4	4.0	16.1
R45	<0.1	0.2	4	4.0	16.2
R46	<0.1	0.1	4	4.0	16.1
R47	<0.1	0.1	4	4.0	16.1
R48	<0.1	0.1	4	4.0	16.1

Table A8-3.44: Predicted Rolling 8-hour Maximum CO Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 2 (Closed Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. As a Proportion of AQ Standard (%)
R1	46.5	0.5	100	146.5	1.5
R2	49.6	0.5	100	149.6	1.5
R3	71.0	0.7	100	171.0	1.7
R4	67.9	0.7	100	167.9	1.7
R5	81.3	0.8	100	181.3	1.8
R6	125.6	1.3	100	225.6	2.3
R7	45.3	0.5	100	145.3	1.5
R8	116.7	1.2	100	216.7	2.2

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. As a Proportion of AQ Standard (%)
R9	92.4	0.9	100	192.4	1.9
R10	109.5	1.1	100	209.5	2.1
R11	66.7	0.7	100	166.7	1.7
R12	35.6	0.4	100	135.6	1.4
R13	154.5	1.5	100	254.5	2.5
R14	172.5	1.7	100	272.5	2.7
R15	143.9	1.4	100	243.9	2.4
R16	159.0	1.6	100	259.0	2.6
R17	80.9	0.8	100	180.9	1.8
R18	117.7	1.2	100	217.7	2.2
R19	239.8	2.4	100	339.8	3.4
R20	118.3	1.2	100	218.3	2.2
R21	69.4	0.7	100	169.4	1.7
R22	120.0	1.2	100	220.0	2.2
R23	96.2	1.0	100	196.2	2.0
R24	77.5	0.8	100	177.5	1.8
R25	132.4	1.3	100	232.4	2.3
R26	168.7	1.7	100	268.7	2.7
R27	106.9	1.1	100	206.9	2.1
R28	97.1	1.0	100	197.1	2.0
R29	116.5	1.2	100	216.5	2.2
R30	89.0	0.9	100	189.0	1.9
R31	65.4	0.7	100	165.4	1.7
R32	79.6	0.8	100	179.6	1.8
R33	79.7	0.8	100	179.7	1.8
R34	73.6	0.7	100	173.6	1.7
R35	53.3	0.5	100	153.3	1.5
R36	60.6	0.6	100	160.6	1.6
R37	48.2	0.5	100	148.2	1.5
R38	59.3	0.6	100	159.3	1.6
R39	56.1	0.6	100	156.1	1.6
R40	43.2	0.4	100	143.2	1.4
R41	39.6	0.4	100	139.6	1.4
R42	45.6	0.5	100	145.6	1.5
R43	39.1	0.4	100	139.1	1.4
R44	39.3	0.4	100	139.3	1.4
R45	35.5	0.4	100	135.5	1.4
R46	38.7	0.4	100	138.7	1.4
R47	40.0	0.4	100	140.0	1.4
R48	40.0	0.4	100	140.0	1.4

Table A8-3.45: Predicted 1-hour Maximum CO Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 2 (Closed Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. As a Proportion of AQ Standard (%)
R1	93.0	0.3	0.1	93.1	0.3
R2	128.1	0.4	0.1	128.2	0.4
R3	141.0	0.5	0.1	141.1	0.5
R4	150.3	0.5	0.1	150.4	0.5
R5	155.1	0.5	0.1	155.2	0.5
R6	169.8	0.6	0.1	169.9	0.6
R7	81.8	0.3	0.1	81.9	0.3
R8	193.1	0.6	0.1	193.2	0.6
R9	165.0	0.6	0.1	165.1	0.6
R10	184.6	0.6	0.1	184.7	0.6
R11	175.1	0.6	0.1	175.2	0.6
R12	84.6	0.3	0.1	84.7	0.3
R13	213.6	0.7	0.1	213.7	0.7
R14	221.5	0.7	0.1	221.6	0.7
R15	188.9	0.6	0.1	189.0	0.6
R16	209.7	0.7	0.1	209.8	0.7
R17	157.2	0.5	0.1	157.3	0.5
R18	182.1	0.6	0.1	182.2	0.6
R19	261.1	0.9	0.1	261.2	0.9
R20	165.9	0.6	0.1	166.0	0.6
R21	154.0	0.5	0.1	154.1	0.5
R22	150.9	0.5	0.1	151.0	0.5
R23	13<0.1	0.4	0.1	130.1	0.4
R24	146.6	0.5	0.1	146.7	0.5
R25	132.4	0.4	0.1	132.5	0.4
R26	216.4	0.7	0.1	216.5	0.7
R27	110.9	0.4	0.1	111.0	0.4
R28	158.7	0.5	0.1	158.8	0.5
R29	172.4	0.6	0.1	172.5	0.6
R30	132.0	0.4	0.1	132.1	0.4
R31	122.6	0.4	0.1	122.7	0.4
R32	133.4	0.4	0.1	133.5	0.4
R33	135.9	0.5	0.1	136.0	0.5
R34	196.5	0.7	0.1	196.6	0.7
R35	98.1	0.3	0.1	98.2	0.3
R36	114.2	0.4	0.1	114.3	0.4
R37	122.2	0.4	0.1	122.3	0.4
R38	174.5	0.6	0.1	174.6	0.6
R39	134.0	0.4	0.1	134.1	0.4

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env Conc. As a Proportion of AQ Standard (%)
R40	130.4	0.4	0.1	130.5	0.4
R41	115.4	0.4	0.1	115.5	0.4
R42	103.3	0.3	0.1	103.4	0.3
R43	104.6	0.3	0.1	104.7	0.3
R44	112.0	0.4	0.1	112.1	0.4
R45	85.6	0.3	0.1	85.7	0.3
R46	106.4	0.4	0.1	106.5	0.4
R47	120.8	0.4	0.1	120.9	0.4
R48	120.8	0.4	0.1	120.9	0.4

Table A8-3.46: Predicted Daily Mean SO2 Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 2 (Closed Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env Conc. As a Proportion of AQ Standard (%)
R1	0.1	0.1	2.6	2.7	2.2
R2	0.1	0.1	2.6	2.7	2.2
R3	0.1	0.1	2.6	2.7	2.2
R4	0.1	0.1	2.6	2.7	2.2
R5	0.1	0.1	2.6	2.7	2.2
R6	0.2	0.2	2.6	2.8	2.2
R7	0.1	0.1	2.6	2.7	2.2
R8	0.2	0.2	2.6	2.8	2.2
R9	0.2	0.1	2.6	2.8	2.2
R10	0.2	0.2	2.6	2.8	2.2
R11	0.2	0.1	2.6	2.8	2.2
R12	0.1	0.1	2.6	2.7	2.2
R13	0.2	0.2	2.6	2.8	2.3
R14	0.3	0.2	2.6	2.9	2.3
R15	0.3	0.2	2.6	2.9	2.3
R16	0.3	0.2	2.6	2.9	2.3
R17	0.3	0.2	2.6	2.9	2.3
R18	0.3	0.3	2.6	2.9	2.3
R19	0.5	0.4	2.6	3.1	2.5
R20	0.3	0.2	2.6	2.9	2.3
R21	0.1	0.1	2.6	2.7	2.2
R22	0.2	0.2	2.6	2.8	2.2
R23	0.1	0.1	2.6	2.7	2.2
R24	0.1	0.1	2.6	2.7	2.2
R25	0.2	0.1	2.6	2.8	2.2
R26	0.4	0.3	2.6	3.0	2.4
R27	0.2	0.1	2.6	2.8	2.2
R28	0.3	0.2	2.6	2.9	2.3

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. As a Proportion of AQ Standard (%)
R29	0.3	0.3	2.6	2.9	2.3
R30	0.1	0.1	2.6	2.7	2.2
R31	0.1	0.1	2.6	2.7	2.2
R32	0.2	0.1	2.6	2.8	2.2
R33	0.3	0.2	2.6	2.9	2.3
R34	0.3	0.2	2.6	2.9	2.3
R35	0.2	0.2	2.6	2.8	2.3
R36	0.2	0.2	2.6	2.8	2.3
R37	0.1	0.1	2.6	2.7	2.2
R38	0.2	0.2	2.6	2.8	2.3
R39	0.2	0.2	2.6	2.8	2.2
R40	0.2	0.1	2.6	2.8	2.2
R41	0.1	0.1	2.6	2.7	2.2
R42	0.2	0.1	2.6	2.8	2.2
R43	0.1	0.1	2.6	2.7	2.2
R44	0.1	0.1	2.6	2.7	2.2
R45	0.1	0.1	2.6	2.7	2.2
R46	0.1	0.1	2.6	2.7	2.2
R47	0.1	0.1	2.6	2.7	2.2
R48	0.1	0.1	2.6	2.7	2.2

Table A8-3.47: Predicted Hourly Mean SO2 Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 2 (Closed Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. As a Proportion of AQ Standard (%)
R1	0.4	0.1	2.6	3.0	0.8
R2	0.4	0.1	2.6	3.0	0.8
R3	0.4	0.1	2.6	3.0	0.9
R4	0.5	0.1	2.6	3.1	0.9
R5	0.5	0.1	2.6	3.1	0.9
R6	0.7	0.2	2.6	3.3	1.0
R7	0.5	0.1	2.6	3.1	0.9
R8	0.7	0.2	2.6	3.3	0.9
R9	0.6	0.2	2.6	3.2	0.9
R10	0.6	0.2	2.6	3.2	0.9
R11	0.6	0.2	2.6	3.2	0.9
R12	0.4	0.1	2.6	3.0	0.9
R13	0.8	0.2	2.6	3.4	1.0
R14	0.8	0.2	2.6	3.4	1.0
R15	0.9	0.3	2.6	3.5	1.0
R16	0.9	0.3	2.6	3.5	1.0
R17	1.0	0.3	2.6	3.6	1.0

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. As a Proportion of AQ Standard (%)
R18	1.2	0.3	2.6	3.8	1.1
R19	1.5	0.4	2.6	4.1	1.2
R20	1.0	0.3	2.6	3.6	1.0
R21	0.5	0.1	2.6	3.1	0.9
R22	0.7	0.2	2.6	3.3	1.0
R23	0.5	0.1	2.6	3.1	0.9
R24	0.4	0.1	2.6	3.0	0.9
R25	0.6	0.2	2.6	3.2	0.9
R26	1.1	0.3	2.6	3.7	1.1
R27	0.7	0.2	2.6	3.3	0.9
R28	1.0	0.3	2.6	3.6	1.0
R29	1.0	0.3	2.6	3.6	1.0
R30	0.7	0.2	2.6	3.3	0.9
R31	0.6	0.2	2.6	3.2	0.9
R32	0.7	0.2	2.6	3.3	0.9
R33	0.9	0.3	2.6	3.5	1.0
R34	0.9	0.2	2.6	3.5	1.0
R35	0.7	0.2	2.6	3.3	1.0
R36	0.7	0.2	2.6	3.3	0.9
R37	0.7	0.2	2.6	3.3	0.9
R38	0.7	0.2	2.6	3.3	1.0
R39	0.7	0.2	2.6	3.3	0.9
R40	0.7	0.2	2.6	3.3	0.9
R41	0.6	0.2	2.6	3.2	0.9
R42	0.6	0.2	2.6	3.2	0.9
R43	0.5	0.2	2.6	3.1	0.9
R44	0.6	0.2	2.6	3.2	0.9
R45	0.6	0.2	2.6	3.2	0.9
R46	0.6	0.2	2.6	3.2	0.9
R47	0.4	0.1	2.6	3.0	0.9
R48	0.4	0.1	2.6	3.0	0.9

Table A8-3.48: Predicted 15-minute Mean SO₂ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 2 (Closed Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. As a Proportion of AQ Standard (%)
R1	0.8	0.3	2.6	3.4	1.3
R2	0.7	0.2	2.6	3.3	1.2
R3	0.9	0.3	2.6	3.5	1.3
R4	0.9	0.3	2.6	3.5	1.3
R5	0.9	0.3	2.6	3.5	1.3
R6	1.3	0.5	2.6	3.9	1.5

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. As a Proportion of AQ Standard (%)
R7	0.8	0.3	2.6	3.4	1.3
R8	1.2	0.5	2.6	3.8	1.4
R9	1.1	0.4	2.6	3.7	1.4
R10	1.2	0.4	2.6	3.8	1.4
R11	1.3	0.5	2.6	3.9	1.5
R12	0.8	0.3	2.6	3.4	1.3
R13	1.4	0.5	2.6	4.0	1.5
R14	1.6	0.6	2.6	4.2	1.6
R15	1.7	0.6	2.6	4.3	1.6
R16	1.8	0.7	2.6	4.4	1.7
R17	2.1	0.8	2.6	4.7	1.8
R18	2.3	0.9	2.6	4.9	1.8
R19	2.5	0.9	2.6	5.1	1.9
R20	2.0	0.8	2.6	4.6	1.7
R21	0.9	0.3	2.6	3.5	1.3
R22	1.2	0.5	2.6	3.8	1.4
R23	0.6	0.2	2.6	3.2	1.2
R24	0.6	0.2	2.6	3.2	1.2
R25	1.0	0.4	2.6	3.6	1.4
R26	1.6	0.6	2.6	4.2	1.6
R27	1.1	0.4	2.6	3.7	1.4
R28	1.6	0.6	2.6	4.2	1.6
R29	1.8	0.7	2.6	4.4	1.7
R30	1.0	0.4	2.6	3.6	1.3
R31	0.9	0.3	2.6	3.5	1.3
R32	1.2	0.5	2.6	3.8	1.4
R33	1.5	0.6	2.6	4.1	1.5
R34	1.5	0.6	2.6	4.1	1.6
R35	1.4	0.5	2.6	4.0	1.5
R36	1.3	0.5	2.6	3.9	1.5
R37	1.5	0.6	2.6	4.1	1.5
R38	1.4	0.5	2.6	4.0	1.5
R39	1.3	0.5	2.6	3.9	1.5
R40	1.2	0.5	2.6	3.8	1.4
R41	1.2	0.4	2.6	3.8	1.4
R42	1.0	0.4	2.6	3.6	1.4
R43	1.0	0.4	2.6	3.6	1.4
R44	1.2	0.5	2.6	3.8	1.4
R45	1.5	0.6	2.6	4.1	1.6
R46	1.2	0.4	2.6	3.8	1.4
R47	0.8	0.3	2.6	3.4	1.3
R48	0.8	0.3	2.6	3.4	1.3

Table A8-3.49: Predicted Annual Mean C6H6 Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 2 (Closed Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. As a Proportion of AQ Standard (%)
R1	0.2	3.3	0.2	0.4	7.3
R2	0.2	4.5	0.2	0.4	8.5
R3	0.3	6.9	0.2	0.5	10.9
R4	0.4	7.6	0.2	0.6	11.6
R5	0.4	8.1	0.2	0.6	12.1
R6	0.5	9.4	0.2	0.7	13.4
R7	0.4	8.9	0.2	0.6	12.9
R8	0.7	13.5	0.2	0.9	17.5
R9	0.7	13.4	0.2	0.9	17.4
R10	0.9	17.2	0.2	1.1	21.2
R11	0.4	7.9	0.2	0.6	11.9
R12	0.3	7.0	0.2	0.5	11.0
R13	1.2	23.1	0.2	1.4	27.1
R14	1.2	23.6	0.2	1.4	27.6
R15	0.9	18.2	0.2	1.1	22.2
R16	1.0	20.5	0.2	1.2	24.5
R17	0.5	10.1	0.2	0.7	14.1
R18	0.7	14.0	0.2	0.9	18.0
R19	2.2	43.9	0.2	2.4	47.9
R20	0.9	17.5	0.2	1.1	21.5
R21	0.3	6.6	0.2	0.5	10.6
R22	1.0	19.3	0.2	1.2	23.3
R23	0.7	14.4	0.2	0.9	18.4
R24	0.6	12.0	0.2	0.8	16.0
R25	0.7	14.9	0.2	0.9	18.9
R26	2.1	42.4	0.2	2.3	46.4
R27	0.7	13.2	0.2	0.9	17.2
R28	1.2	23.3	0.2	1.4	27.3
R29	1.4	27.7	0.2	1.6	31.7
R30	0.5	10.6	0.2	0.7	14.6
R31	0.5	10.3	0.2	0.7	14.3
R32	0.5	10.2	0.2	0.7	14.2
R33	0.9	17.5	0.2	1.1	21.5
R34	1.0	20.7	0.2	1.2	24.7
R35	0.5	10.6	0.2	0.7	14.6
R36	0.6	12.9	0.2	0.8	16.9
R37	0.4	8.4	0.2	0.6	12.4

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. As a Proportion of AQ Standard (%)
R38	0.8	15.2	0.2	1.0	19.2
R39	0.6	12.5	0.2	0.8	16.5
R40	0.6	12.0	0.2	0.8	16.0
R41	0.5	10.9	0.2	0.7	14.9
R42	0.7	14.3	0.2	0.9	18.3
R43	0.5	10.8	0.2	0.7	14.8
R44	0.5	10.4	0.2	0.7	14.4
R45	0.4	7.4	0.2	0.6	11.4
R46	0.5	9.9	0.2	0.7	13.9
R47	0.4	7.9	0.2	0.6	11.9
R48	0.4	7.9	0.2	0.6	11.9

Table A8-3.50: Predicted Hourly Maximum C6H6 Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 2 (Closed Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	18.8	9.7	0.3	19.1	9.8
R2	26.6	13.6	0.3	26.9	13.8
R3	28.7	14.7	0.3	29.0	14.9
R4	31.5	16.2	0.3	31.8	16.3
R5	31.4	16.1	0.3	31.7	16.2
R6	37.3	19.1	0.3	37.6	19.3
R7	15.7	8.0	0.3	16.0	8.2
R8	38.2	19.6	0.3	38.5	19.8
R9	32.9	16.9	0.3	33.2	17.0
R10	37.3	19.1	0.3	37.6	19.3
R11	37.2	19.1	0.3	37.5	19.2
R12	16.6	8.5	0.3	16.9	8.7
R13	45.0	23.1	0.3	45.3	23.3
R14	47.1	24.1	0.3	47.4	24.3
R15	41.4	21.2	0.3	41.7	21.4
R16	46.1	23.7	0.3	46.4	23.8
R17	34.9	17.9	0.3	35.2	18.0
R18	40.4	20.7	0.3	40.7	20.9
R19	58.0	29.8	0.3	58.3	29.9
R20	36.9	18.9	0.3	37.2	19.1
R21	33.3	17.1	0.3	33.6	17.2
R22	33.5	17.2	0.3	33.8	17.3
R23	28.8	14.7	0.3	29.1	14.9

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R24	31.6	16.2	0.3	31.9	16.4
R25	29.4	15.1	0.3	29.7	15.2
R26	48.0	24.6	0.3	48.3	24.8
R27	24.1	12.3	0.3	24.4	12.5
R28	35.2	18.1	0.3	35.5	18.2
R29	38.3	19.6	0.3	38.6	19.8
R30	29.2	15.0	0.3	29.5	15.1
R31	27.1	13.9	0.3	27.4	14.1
R32	29.6	15.2	0.3	29.9	15.3
R33	30.1	15.4	0.3	30.4	15.6
R34	43.5	22.3	0.3	43.8	22.4
R35	21.0	10.8	0.3	21.3	10.9
R36	25.2	12.9	0.3	25.5	13.1
R37	26.8	13.7	0.3	27.1	13.9
R38	38.6	19.8	0.3	38.9	2<0.1
R39	29.6	15.2	0.3	29.9	15.3
R40	28.8	14.8	0.3	29.1	14.9
R41	25.4	13.0	0.3	25.7	13.2
R42	22.1	11.3	0.3	22.4	11.5
R43	22.9	11.7	0.3	23.2	11.9
R44	24.6	12.6	0.3	24.9	12.8
R45	17.7	9.1	0.3	18.0	9.2
R46	23.4	12.0	0.3	23.7	12.2
R47	26.6	13.7	0.3	26.9	13.8
R48	26.6	13.7	0.3	26.9	13.8

Table A8-3.51: Predicted Hourly Maximum CH₂O Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 2 (Closed Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	2.7	2.7	<0.1	2.7	2.7
R2	2.8	2.8	<0.1	2.8	2.8
R3	3.2	3.2	<0.1	3.2	3.2
R4	3.8	3.8	<0.1	3.8	3.8
R5	3.4	3.4	<0.1	3.4	3.4
R6	5.2	5.2	<0.1	5.2	5.2
R7	3.0	3.0	<0.1	3.0	3.0
R8	4.7	4.7	<0.1	4.7	4.7
R9	4.3	4.3	<0.1	4.3	4.3
R10	5.1	5.1	<0.1	5.1	5.1
R11	3.6	3.6	<0.1	3.6	3.6
R12	3.1	3.1	<0.1	3.1	3.1

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R13	6.7	6.7	<0.1	6.7	6.7
R14	6.8	6.8	<0.1	6.8	6.8
R15	7.2	7.2	<0.1	7.2	7.2
R16	7.4	7.4	<0.1	7.4	7.4
R17	6.2	6.2	<0.1	6.2	6.2
R18	6.4	6.4	<0.1	6.4	6.4
R19	8.5	8.5	<0.1	8.5	8.5
R20	6.9	6.9	<0.1	6.9	6.9
R21	3.6	3.6	<0.1	3.6	3.6
R22	7.1	7.1	<0.1	7.1	7.1
R23	5.7	5.7	<0.1	5.7	5.7
R24	4.7	4.7	<0.1	4.7	4.7
R25	5.3	5.3	<0.1	5.3	5.3
R26	9.2	9.2	<0.1	9.2	9.2
R27	6.2	6.2	<0.1	6.2	6.2
R28	7.3	7.3	<0.1	7.3	7.3
R29	7.9	7.9	<0.1	7.9	7.9
R30	4.8	4.8	<0.1	4.8	4.8
R31	4.5	4.5	<0.1	4.5	4.5
R32	5.3	5.3	<0.1	5.3	5.3
R33	6.2	6.2	<0.1	6.2	6.2
R34	6.4	6.4	<0.1	6.4	6.4
R35	4.1	4.1	<0.1	4.1	4.1
R36	4.8	4.8	<0.1	4.8	4.8
R37	4.8	4.8	<0.1	4.8	4.8
R38	5.1	5.1	<0.1	5.1	5.1
R39	4.4	4.4	<0.1	4.4	4.4
R40	3.8	3.8	<0.1	3.8	3.8
R41	3.1	3.1	<0.1	3.1	3.1
R42	4.1	4.1	<0.1	4.1	4.1
R43	4.1	4.1	<0.1	4.1	4.1
R44	3.1	3.1	<0.1	3.1	3.1
R45	3.1	3.1	<0.1	3.1	3.1
R46	3.1	3.1	<0.1	3.1	3.1
R47	2.9	2.9	<0.1	2.9	2.9
R48	2.9	2.9	<0.1	2.9	2.9

Table A8-3.52: Predicted Annual Mean NOX Process Contribution and Predicted Environmental Concentration at Nature Conservation Receptors – Sensitivity Scenario 2 (Closed Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
E1	0.6	2.1	6.2	6.8	22.8

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
E2	0.5	1.8	6.2	6.7	22.5
E3	0.5	1.8	6.2	6.7	22.5
E4	0.6	2.1	6.2	6.8	22.8
E5	0.5	1.5	6.2	6.7	22.2
E6	1.0	3.3	6.2	7.2	24.0
E7	1.1	3.8	6.2	7.3	24.4
E8	1.0	3.5	6.2	7.2	24.2
E9	1.2	3.9	6.2	7.4	24.5
E10	0.8	2.6	6.2	7.0	23.2
E11	0.3	0.9	6.2	6.5	21.5
E12	1.0	3.3	6.2	7.2	23.9
E13	1.1	3.6	6.2	7.3	24.2
E14	0.8	2.8	6.2	7.0	23.5
E15	0.7	2.3	6.2	6.9	23.0
E16	0.6	2.0	6.2	6.8	22.6
E17	0.7	2.4	6.2	6.9	23.1
E18	0.6	1.9	6.2	6.8	22.5
E19	0.7	2.4	6.2	6.9	23.0
E20	0.5	1.8	6.2	6.7	22.4
E21	1.1	3.8	6.2	7.3	24.5
E22	0.8	2.8	6.2	7.0	23.5
E23	1.0	3.3	6.2	7.2	24.0
E24	0.2	0.8	6.2	6.4	21.5
E25	0.3	0.9	6.2	6.5	21.6
E26	0.2	0.7	6.2	6.4	21.4
E27	0.3	0.9	6.2	6.5	21.6
E28	0.2	0.8	6.2	6.4	21.4
E29	0.2	0.7	6.2	6.4	21.4
E30	0.2	0.7	6.2	6.4	21.4
E31	0.1	0.2	6.2	6.3	20.9

Table A8-3.53: Predicted Daily Maximum NOX Process Contribution and Predicted Environmental Concentration at Nature Conservation Receptors – Sensitivity Scenario 2 (Closed Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
E1	38.9	51.8	12.4	51.3	68.3
E2	35.2	46.9	12.4	47.6	63.5
E3	32.9	43.8	12.4	45.3	60.4
E4	28.9	38.5	12.4	41.3	55.1
E5	17.4	23.3	12.4	29.8	39.8
E6	21.4	28.5	12.4	33.8	45.1
E7	26.9	35.9	12.4	39.3	52.4

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
E8	26.0	34.7	12.4	38.4	51.2
E9	27.6	36.8	12.4	40.0	53.4
E10	22.6	30.1	12.4	35.0	46.7
E11	16.0	21.3	12.4	28.4	37.9
E12	30.4	40.6	12.4	42.8	57.1
E13	24.2	32.3	12.4	36.6	48.8
E14	48.0	64.0	12.4	60.4	80.5
E15	41.2	54.9	12.4	53.6	71.4
E16	36.0	47.9	12.4	48.4	64.5
E17	43.4	57.8	12.4	55.8	74.4
E18	35.6	47.5	12.4	48.0	64.0
E19	22.9	30.6	12.4	35.3	47.1
E20	18.3	24.5	12.4	30.7	41.0
E21	27.1	36.1	12.4	39.5	52.6
E22	18.1	24.1	12.4	30.5	40.6
E23	26.4	35.2	12.4	38.8	51.7
E24	15.7	21.0	12.4	28.1	37.5
E25	14.6	19.4	12.4	27.0	36.0
E26	12.4	16.6	12.4	24.8	33.1
E27	12.9	17.2	12.4	25.3	33.7
E28	14.9	19.9	12.4	27.3	36.4
E29	14.0	18.7	12.4	26.4	35.2
E30	13.6	18.2	12.4	26.0	34.7
E31	7.6	10.1	12.4	20.0	26.7

Table A8-3.54: Predicted Annual Mean SO2 Process Contribution and Predicted Environmental Concentration at Nature Conservation Receptors – Sensitivity Scenario 2 (Closed Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Predicted Env. Conc. (µg/m³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
E1	<0.1	<0.1	1.3	1.3	6.5
E2	<0.1	<0.1	1.3	1.3	6.5
E3	<0.1	<0.1	1.3	1.3	6.5
E4	<0.1	<0.1	1.3	1.3	6.5
E5	<0.1	<0.1	1.3	1.3	6.5
E6	<0.1	<0.1	1.3	1.3	6.5
E7	<0.1	<0.1	1.3	1.3	6.5
E8	<0.1	<0.1	1.3	1.3	6.5
E9	<0.1	<0.1	1.3	1.3	6.5
E10	<0.1	<0.1	1.3	1.3	6.5
E11	<0.1	<0.1	1.3	1.3	6.5
E12	<0.1	<0.1	1.3	1.3	6.5
E13	<0.1	<0.1	1.3	1.3	6.5

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
E14	<0.1	<0.1	1.3	1.3	6.5
E15	<0.1	<0.1	1.3	1.3	6.5
E16	<0.1	<0.1	1.3	1.3	6.5
E17	<0.1	<0.1	1.3	1.3	6.5
E18	<0.1	<0.1	1.3	1.3	6.5
E19	<0.1	<0.1	1.3	1.3	6.5
E20	<0.1	<0.1	1.3	1.3	6.5
E21	<0.1	<0.1	1.3	1.3	6.5
E22	<0.1	<0.1	1.3	1.3	6.5
E23	<0.1	<0.1	1.3	1.3	6.5
E24	<0.1	<0.1	1.3	1.3	6.5
E25	<0.1	<0.1	1.3	1.3	6.5
E26	<0.1	<0.1	1.3	1.3	6.5
E27	<0.1	<0.1	1.3	1.3	6.5
E28	<0.1	<0.1	1.3	1.3	6.5
E29	<0.1	<0.1	1.3	1.3	6.5
E30	<0.1	<0.1	1.3	1.3	6.5
E31	<0.1	<0.1	1.3	1.3	6.5

Table A8-3.55: Predicted Annual Mean Nitrogen Deposition Process Contribution and Predicted Environmental Concentration at Nature Conservation Receptors – Sensitivity Scenario 2 (Closed Loop Re-gasification and CCGT)

Receptor	Process Cont. (kg N/ha/yr)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (kg N/ha/yr)	Predicted Env. Conc. (kg N/ha/yr)	Predicted Env Conc. as a Proportion of AQ Standard (%)
E1	0.1	0.5	12.0	12.1	60.5
E2	0.1	0.4	12.0	12.1	60.4
E3	0.1	0.4	12.0	12.1	60.4
E4	0.1	0.5	12.0	12.1	60.5
E5	0.1	0.3	12.0	12.1	60.3
E6	0.1	0.7	12.0	12.1	60.7
E7	0.2	0.8	12.0	12.2	60.8
E8	0.2	0.8	12.0	12.2	60.8
E9	0.2	0.8	12.0	12.2	60.8
E10	0.1	0.6	12.0	12.1	60.6
E11	<0.1	0.2	12.0	12.0	60.2
E12	0.1	0.7	12.0	12.1	60.7
E13	0.2	0.8	12.0	12.2	60.8
E14	0.1	0.6	12.0	12.1	60.6
E15	0.1	0.5	12.0	12.1	60.5
E16	0.1	0.4	12.0	12.1	60.4
E17	0.1	0.5	12.0	12.1	60.5
E18	0.1	0.4	12.0	12.1	60.4
E19	0.1	0.5	12.0	12.1	60.5

Receptor	Process Cont. (kg N/ha/yr)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (kg N/ha/yr)	Predicted Env. Conc. (kg N/ha/yr)	Predicted Env Conc. as a Proportion of AQ Standard (%)
E20	0.1	0.4	12.0	12.1	60.4
E21	0.2	0.8	12.0	12.2	60.8
E22	0.1	0.6	12.0	12.1	60.6
E23	0.1	0.7	12.0	12.1	60.7
E24	<0.1	0.2	12.0	12.0	60.2
E25	<0.1	0.2	12.0	12.0	60.2
E26	<0.1	0.2	12.0	12.0	60.2
E27	<0.1	0.2	12.0	12.0	60.2
E28	<0.1	0.2	12.0	12.0	60.2
E29	<0.1	0.2	12.0	12.0	60.2
E30	<0.1	0.2	12.0	12.0	60.2
E31	<0.1	<0.1	12.0	12.0	60.0

Table A8-3.56: Predicted Annual Mean Acid Deposition Process Contribution and Predicted Environmental Concentration at Nature Conservation Receptors¹ – Sensitivity Scenario 2 (Closed Loop Re-gasification and CCGT)

Receptor	Process Cont. (kg N/ha/yr)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (kg N/ha/yr)	Predicted Env. Conc. (kg N/ha/yr)	Predicted Env Conc. as a Proportion of AQ Standard (%)
E11	<0.01	<0.1	0.5	0.50	88.0
E12	0.01	1.8	0.5	0.51	89.8
E24	<0.01	0.1	0.5	0.50	50.0
E25	<0.01	0.1	0.5	0.50	50.0
E26	<0.01	0.1	0.5	0.50	50.0
E27	<0.01	0.1	0.5	0.50	50.0
E28	<0.01	0.1	0.5	0.50	50.0
E29	<0.01	0.1	0.5	0.50	50.0
E30	<0.01	0.1	0.5	0.50	50.0
E31	<0.01	<0.1	0.5	0.50	73.2

Notes:

¹ Receptor E1 to E10 and E13 to E23 are not considered to be sensitive to acid deposition impacts.

Sensitivity Scenario 3 (Conservative)

Table A8-3.57: Predicted Annual Mean NO₂ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 3 (Conservative)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R1	0.6	1.4	4.3	4.9	12.1
R2	0.7	1.8	4.3	5.0	12.6
R3	1.1	2.7	4.3	5.4	13.4
R4	1.2	3.0	4.3	5.5	13.7
R5	1.3	3.1	4.3	5.6	13.9
R6	1.5	3.8	4.3	5.8	14.6

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R7	1.6	4.1	4.3	5.9	14.8
R8	2.0	5.0	4.3	6.3	15.8
R9	2.0	5.1	4.3	6.3	15.8
R10	2.6	6.4	4.3	6.9	17.1
R11	1.3	3.3	4.3	5.6	14.0
R12	1.3	3.3	4.3	5.6	14.1
R13	3.5	8.7	4.3	7.8	19.4
R14	3.6	9.0	4.3	7.9	19.7
R15	3.0	7.6	4.3	7.3	18.3
R16	3.3	8.3	4.3	7.6	19.1
R17	2.0	4.9	4.3	6.3	15.7
R18	2.6	6.4	4.3	6.9	17.2
R19	6.6	16.4	4.3	10.9	27.2
R20	2.7	6.8	4.3	7.0	17.5
R21	1.0	2.6	4.3	5.3	13.3
R22	2.7	6.9	4.3	7.0	17.6
R23	2.0	4.9	4.3	6.3	15.6
R24	1.6	4.0	4.3	5.9	14.8
R25	2.2	5.5	4.3	6.5	16.2
R26	5.8	14.4	4.3	10.1	25.2
R27	2.1	5.3	4.3	6.4	16.0
R28	3.6	9.0	4.3	7.9	19.8
R29	4.0	10.0	4.3	8.3	20.8
R30	1.7	4.1	4.3	6.0	14.9
R31	1.5	3.8	4.3	5.8	14.6
R32	1.7	4.2	4.3	6.0	15.0
R33	2.7	6.8	4.3	7.0	17.5
R34	3.2	7.9	4.3	7.5	18.7
R35	1.8	4.5	4.3	6.1	15.3
R36	2.0	5.1	4.3	6.3	15.9
R37	1.5	3.9	4.3	5.8	14.6
R38	2.3	5.9	4.3	6.6	16.6
R39	2.0	4.9	4.3	6.3	15.7
R40	1.9	4.7	4.3	6.2	15.5
R41	1.7	4.4	4.3	6.0	15.1
R42	2.4	6.1	4.3	6.7	16.8
R43	1.9	4.7	4.3	6.2	15.4
R44	1.7	4.2	4.3	6.0	15.0
R45	1.4	3.4	4.3	5.7	14.1
R46	1.6	4.1	4.3	5.9	14.8
R47	1.4	3.5	4.3	5.7	14.2
R48	1.4	3.5	4.3	5.7	14.2

Table A8-3.58: Predicted Hourly Mean NO2 Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 3 (Conservative)

Receptor	Process Cont. (µg/m3)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m3)	Predicted Env. Conc. (µg/m3)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	18.3	9.1	8.7	27.0	13.5
R2	24.6	12.3	8.7	33.3	16.7
R3	30.9	15.4	8.7	39.6	19.8
R4	33.4	16.7	8.7	42.1	21.1
R5	35.5	17.8	8.7	44.2	22.1
R6	42.6	21.3	8.7	51.3	25.6
R7	19.4	9.7	8.7	28.1	14.0
R8	45.4	22.7	8.7	54.1	27.0
R9	40.6	20.3	8.7	49.3	24.7
R10	45.5	22.8	8.7	54.2	27.1
R11	30.2	15.1	8.7	38.9	19.5
R12	19.8	9.9	8.7	28.5	14.2
R13	51.6	25.8	8.7	60.3	30.1
R14	52.9	26.5	8.7	61.6	30.8
R15	45.4	22.7	8.7	54.1	27.0
R16	48.9	24.4	8.7	57.6	28.8
R17	35.0	17.5	8.7	43.7	21.8
R18	39.8	19.9	8.7	48.5	24.2
R19	60.0	30.0	8.7	68.7	34.3
R20	37.5	18.8	8.7	46.2	23.1
R21	23.8	11.9	8.7	32.5	16.2
R22	34.1	17.0	8.7	42.8	21.4
R23	27.9	14.0	8.7	36.6	18.3
R24	26.5	13.2	8.7	35.2	17.6
R25	28.3	14.2	8.7	37.0	18.5
R26	48.4	24.2	8.7	57.1	28.6
R27	29.2	14.6	8.7	37.9	19.0
R28	34.8	17.4	8.7	43.5	21.8
R29	36.0	18.0	8.7	44.7	22.3
R30	26.9	13.5	8.7	35.6	17.8
R31	24.0	12.0	8.7	32.7	16.3
R32	25.7	12.8	8.7	34.4	17.2
R33	29.7	14.8	8.7	38.4	19.2
R34	33.0	16.5	8.7	41.7	20.8
R35	22.5	11.3	8.7	31.2	15.6
R36	24.2	12.1	8.7	32.9	16.4
R37	29.3	14.6	8.7	38.0	19.0
R38	28.2	14.1	8.7	36.9	18.5
R39	24.6	12.3	8.7	33.3	16.7
R40	25.0	12.5	8.7	33.7	16.8
R41	20.3	10.1	8.7	29.0	14.5

Receptor	Process Cont. (µg/m3)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m3)	Predicted Env. Conc. (µg/m3)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R42	23.9	12.0	8.7	32.6	16.3
R43	21.0	10.5	8.7	29.7	14.9
R44	19.1	9.6	8.7	27.8	13.9
R45	21.8	10.9	8.7	30.5	15.3
R46	19.7	9.9	8.7	28.4	14.2
R47	19.5	9.8	8.7	28.2	14.1
R48	19.5	9.8	8.7	28.2	14.1

Table A8-3.59: Predicted Annual Mean PM10 Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 3 (Conservative)

Receptor	Process Cont. (µg/m3)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m3)	Predicted Env. Conc. (µg/m3)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	<0.1	<0.1	9	9.0	22.5
R2	<0.1	<0.1	9	9.0	22.5
R3	<0.1	0.1	9	9.0	22.6
R4	<0.1	0.1	9	9.0	22.6
R5	<0.1	0.1	9	9.0	22.6
R6	<0.1	0.1	9	9.0	22.6
R7	<0.1	0.1	9	9.0	22.6
R8	<0.1	0.1	9	9.0	22.6
R9	<0.1	0.1	9	9.0	22.6
R10	<0.1	0.1	9	9.0	22.6
R11	<0.1	0.1	9	9.0	22.6
R12	<0.1	0.1	9	9.0	22.6
R13	0.1	0.2	9	9.1	22.7
R14	0.1	0.2	9	9.1	22.7
R15	0.1	0.2	9	9.1	22.7
R16	0.1	0.2	9	9.1	22.7
R17	0.1	0.2	9	9.1	22.7
R18	0.1	0.2	9	9.1	22.7
R19	0.1	0.3	9	9.1	22.8
R20	0.1	0.1	9	9.1	22.6
R21	<0.1	0.1	9	9.0	22.6
R22	<0.1	0.1	9	9.0	22.6
R23	<0.1	0.1	9	9.0	22.6
R24	<0.1	0.1	9	9.0	22.6
R25	<0.1	0.1	9	9.0	22.6
R26	0.1	0.2	9	9.1	22.7
R27	<0.1	0.1	9	9.0	22.6
R28	0.1	0.2	9	9.1	22.7
R29	0.1	0.2	9	9.1	22.7
R30	<0.1	0.1	9	9.0	22.6
R31	<0.1	0.1	9	9.0	22.6

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R32	<0.1	0.1	9	9.0	22.6
R33	0.1	0.2	9	9.1	22.7
R34	0.1	0.2	9	9.1	22.7
R35	0.1	0.1	9	9.1	22.6
R36	0.1	0.1	9	9.1	22.6
R37	<0.1	0.1	9	9.0	22.6
R38	0.1	0.1	9	9.1	22.6
R39	<0.1	0.1	9	9.0	22.6
R40	<0.1	0.1	9	9.0	22.6
R41	<0.1	0.1	9	9.0	22.6
R42	0.1	0.2	9	9.1	22.7
R43	0.1	0.1	9	9.1	22.6
R44	<0.1	0.1	9	9.0	22.6
R45	<0.1	0.1	9	9.0	22.6
R46	<0.1	0.1	9	9.0	22.6
R47	<0.1	0.1	9	9.0	22.6
R48	<0.1	0.1	9	9.0	22.6

Table A8-3.60: Predicted Daily Mean PM₁₀ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 3 (Conservative)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	0.1	0.3	18	18.1	36.3
R2	0.2	0.4	18	18.2	36.4
R3	0.2	0.4	18	18.2	36.4
R4	0.3	0.5	18	18.3	36.5
R5	0.2	0.5	18	18.2	36.5
R6	0.4	0.8	18	18.4	36.8
R7	0.3	0.6	18	18.3	36.6
R8	0.4	0.7	18	18.4	36.7
R9	0.3	0.7	18	18.3	36.7
R10	0.4	0.8	18	18.4	36.8
R11	0.3	0.6	18	18.3	36.6
R12	0.3	0.6	18	18.3	36.6
R13	0.6	1.2	18	18.6	37.2
R14	0.7	1.3	18	18.7	37.3
R15	0.7	1.4	18	18.7	37.4
R16	0.7	1.5	18	18.7	37.5
R17	0.6	1.3	18	18.6	37.3
R18	0.7	1.5	18	18.7	37.5
R19	0.9	1.8	18	18.9	37.8
R20	0.5	1.0	18	18.5	37.0
R21	0.2	0.4	18	18.2	36.4

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R22	0.3	0.6	18	18.3	36.6
R23	0.2	0.4	18	18.2	36.4
R24	0.2	0.4	18	18.2	36.4
R25	0.4	0.7	18	18.4	36.7
R26	0.9	1.9	18	18.9	37.9
R27	0.5	1.0	18	18.5	37.0
R28	0.8	1.6	18	18.8	37.6
R29	0.9	1.9	18	18.9	37.9
R30	0.4	0.7	18	18.4	36.7
R31	0.3	0.6	18	18.3	36.6
R32	0.4	0.9	18	18.4	36.9
R33	0.7	1.4	18	18.7	37.4
R34	0.6	1.3	18	18.6	37.3
R35	0.5	1.0	18	18.5	37.0
R36	0.5	1.0	18	18.5	37.0
R37	0.3	0.6	18	18.3	36.6
R38	0.5	0.9	18	18.5	36.9
R39	0.4	0.8	18	18.4	36.8
R40	0.4	0.8	18	18.4	36.8
R41	0.3	0.7	18	18.3	36.7
R42	0.4	0.8	18	18.4	36.8
R43	0.4	0.7	18	18.4	36.7
R44	0.3	0.6	18	18.3	36.6
R45	0.2	0.5	18	18.2	36.5
R46	0.3	0.6	18	18.3	36.6
R47	0.3	0.6	18	18.3	36.6
R48	0.3	0.6	18	18.3	36.6

Table A8-3.61: Predicted Annual Mean PM2.5 Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 3 (Conservative)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	<0.1	0.1	4	4.0	16.1
R2	<0.1	0.1	4	4.0	16.1
R3	<0.1	0.1	4	4.0	16.1
R4	<0.1	0.1	4	4.0	16.1
R5	<0.1	0.1	4	4.0	16.1
R6	<0.1	0.1	4	4.0	16.1
R7	<0.1	0.2	4	4.0	16.2
R8	<0.1	0.2	4	4.0	16.2
R9	<0.1	0.2	4	4.0	16.2
R10	<0.1	0.2	4	4.0	16.2
R11	<0.1	0.1	4	4.0	16.1

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R12	<0.1	0.2	4	4.0	16.2
R13	0.1	0.3	4	4.1	16.3
R14	0.1	0.3	4	4.1	16.3
R15	0.1	0.3	4	4.1	16.3
R16	0.1	0.3	4	4.1	16.3
R17	0.1	0.2	4	4.1	16.2
R18	0.1	0.3	4	4.1	16.3
R19	0.1	0.4	4	4.1	16.4
R20	0.1	0.2	4	4.1	16.2
R21	<0.1	0.1	4	4.0	16.1
R22	<0.1	0.2	4	4.0	16.2
R23	<0.1	0.1	4	4.0	16.1
R24	<0.1	0.1	4	4.0	16.1
R25	<0.1	0.1	4	4.0	16.1
R26	0.1	0.3	4	4.1	16.3
R27	<0.1	0.2	4	4.0	16.2
R28	0.1	0.3	4	4.1	16.3
R29	0.1	0.3	4	4.1	16.3
R30	<0.1	0.1	4	4.0	16.1
R31	<0.1	0.1	4	4.0	16.1
R32	<0.1	0.2	4	4.0	16.2
R33	0.1	0.3	4	4.1	16.3
R34	0.1	0.3	4	4.1	16.3
R35	0.1	0.2	4	4.1	16.2
R36	0.1	0.2	4	4.1	16.2
R37	<0.1	0.2	4	4.0	16.2
R38	0.1	0.2	4	4.1	16.2
R39	<0.1	0.2	4	4.0	16.2
R40	<0.1	0.2	4	4.0	16.2
R41	<0.1	0.2	4	4.0	16.2
R42	0.1	0.3	4	4.1	16.3
R43	0.1	0.2	4	4.1	16.2
R44	<0.1	0.2	4	4.0	16.2
R45	<0.1	0.2	4	4.0	16.2
R46	<0.1	0.2	4	4.0	16.2
R47	<0.1	0.2	4	4.0	16.2
R48	<0.1	0.2	4	4.0	16.2

Table A8-3.62: Predicted Rolling 8-hour Maximum CO Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 3 (Conservative)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	47.2	0.5	100	147.2	1.5

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R2	50.2	0.5	100	150.2	1.5
R3	72.0	0.7	100	172.0	1.7
R4	68.9	0.7	100	168.9	1.7
R5	82.4	0.8	100	182.4	1.8
R6	128.6	1.3	100	228.6	2.3
R7	45.9	0.5	100	145.9	1.5
R8	117.3	1.2	100	217.3	2.2
R9	94.1	0.9	100	194.1	1.9
R10	109.8	1.1	100	209.8	2.1
R11	67.4	0.7	100	167.4	1.7
R12	36.8	0.4	100	136.8	1.4
R13	155.3	1.6	100	255.3	2.6
R14	172.6	1.7	100	272.6	2.7
R15	144.6	1.4	100	244.6	2.4
R16	159.6	1.6	100	259.6	2.6
R17	83.1	0.8	100	183.1	1.8
R18	117.7	1.2	100	217.7	2.2
R19	239.8	2.4	100	339.8	3.4
R20	118.3	1.2	100	218.3	2.2
R21	69.9	0.7	100	169.9	1.7
R22	120.0	1.2	100	220.0	2.2
R23	96.5	1.0	100	196.5	2.0
R24	77.8	0.8	100	177.8	1.8
R25	132.4	1.3	100	232.4	2.3
R26	168.8	1.7	100	268.8	2.7
R27	106.9	1.1	100	206.9	2.1
R28	97.4	1.0	100	197.4	2.0
R29	116.6	1.2	100	216.6	2.2
R30	89.0	0.9	100	189.0	1.9
R31	65.4	0.7	100	165.4	1.7
R32	79.6	0.8	100	179.6	1.8
R33	80.1	0.8	100	180.1	1.8
R34	73.6	0.7	100	173.6	1.7
R35	54.1	0.5	100	154.1	1.5
R36	61.4	0.6	100	161.4	1.6
R37	49.3	0.5	100	149.3	1.5
R38	60.3	0.6	100	160.3	1.6
R39	56.5	0.6	100	156.5	1.6
R40	44.4	0.4	100	144.4	1.4
R41	40.4	0.4	100	140.4	1.4
R42	46.3	0.5	100	146.3	1.5
R43	39.7	0.4	100	139.7	1.4
R44	40.1	0.4	100	140.1	1.4
R45	35.7	0.4	100	135.7	1.4

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R46	39.4	0.4	100	139.4	1.4
R47	40.9	0.4	100	140.9	1.4
R48	40.9	0.4	100	140.9	1.4

Table A8-3.63: Predicted 1-hour Maximum CO Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 3 (Conservative)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R1	94.4	0.3	0.1	94.5	0.3
R2	129.7	0.4	0.1	129.8	0.4
R3	142.5	0.5	0.1	142.6	0.5
R4	152.5	0.5	0.1	152.6	0.5
R5	155.9	0.5	0.1	156.0	0.5
R6	173.7	0.6	0.1	173.8	0.6
R7	83.5	0.3	0.1	83.6	0.3
R8	194.6	0.6	0.1	194.7	0.6
R9	166.1	0.6	0.1	166.2	0.6
R10	185.3	0.6	0.1	185.4	0.6
R11	175.3	0.6	0.1	175.4	0.6
R12	86.1	0.3	0.1	86.2	0.3
R13	213.7	0.7	0.1	213.8	0.7
R14	221.8	0.7	0.1	221.9	0.7
R15	189.0	0.6	0.1	189.1	0.6
R16	209.8	0.7	0.1	209.9	0.7
R17	157.2	0.5	0.1	157.3	0.5
R18	182.1	0.6	0.1	182.2	0.6
R19	261.1	0.9	0.1	261.2	0.9
R20	165.9	0.6	0.1	166.0	0.6
R21	155.2	0.5	0.1	155.3	0.5
R22	150.9	0.5	0.1	151.0	0.5
R23	130.0	0.4	0.1	130.1	0.4
R24	148.4	0.5	0.1	148.5	0.5
R25	132.4	0.4	0.1	132.5	0.4
R26	216.4	0.7	0.1	216.5	0.7
R27	111.9	0.4	0.1	112.0	0.4
R28	158.7	0.5	0.1	158.8	0.5
R29	172.4	0.6	0.1	172.5	0.6
R30	133.0	0.4	0.1	133.1	0.4
R31	123.1	0.4	0.1	123.2	0.4
R32	134.0	0.4	0.1	134.1	0.4
R33	136.1	0.5	0.1	136.2	0.5

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R34	196.5	0.7	0.1	196.6	0.7
R35	100.2	0.3	0.1	100.3	0.3
R36	114.3	0.4	0.1	114.4	0.4
R37	123.4	0.4	0.1	123.5	0.4
R38	174.6	0.6	0.1	174.7	0.6
R39	134.1	0.4	0.1	134.2	0.4
R40	130.5	0.4	0.1	130.6	0.4
R41	115.8	0.4	0.1	115.9	0.4
R42	104.4	0.3	0.1	104.5	0.3
R43	105.4	0.4	0.1	105.5	0.4
R44	112.5	0.4	0.1	112.6	0.4
R45	87.3	0.3	0.1	87.4	0.3
R46	106.9	0.4	0.1	107.0	0.4
R47	122.3	0.4	0.1	122.4	0.4
R48	122.3	0.4	0.1	122.4	0.4

Table A8-3.64: Predicted Daily Mean SO₂ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 3 (Conservative)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	0.3	0.2	2.6	2.9	2.3
R2	0.4	0.3	2.6	3.0	2.4
R3	0.5	0.4	2.6	3.1	2.5
R4	0.5	0.4	2.6	3.1	2.5
R5	0.6	0.5	2.6	3.2	2.5
R6	0.9	0.7	2.6	3.5	2.8
R7	0.6	0.5	2.6	3.2	2.5
R8	0.8	0.6	2.6	3.4	2.7
R9	0.7	0.6	2.6	3.3	2.7
R10	0.9	0.7	2.6	3.5	2.8
R11	0.6	0.5	2.6	3.2	2.6
R12	0.5	0.4	2.6	3.1	2.5
R13	1.2	0.9	2.6	3.8	3.0
R14	1.3	1.0	2.6	3.9	3.1
R15	1.5	1.2	2.6	4.1	3.3
R16	1.6	1.2	2.6	4.2	3.3
R17	1.2	0.9	2.6	3.8	3.0
R18	1.4	1.1	2.6	4.0	3.2
R19	2.1	1.7	2.6	4.7	3.7
R20	1.2	1.0	2.6	3.8	3.0
R21	0.5	0.4	2.6	3.1	2.5
R22	0.9	0.7	2.6	3.5	2.8
R23	0.5	0.4	2.6	3.1	2.5

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R24	0.4	0.3	2.6	3.0	2.4
R25	0.8	0.6	2.6	3.4	2.7
R26	1.7	1.4	2.6	4.3	3.5
R27	0.8	0.7	2.6	3.4	2.8
R28	1.4	1.1	2.6	4.0	3.2
R29	1.6	1.3	2.6	4.2	3.4
R30	0.6	0.5	2.6	3.2	2.6
R31	0.5	0.4	2.6	3.1	2.5
R32	0.7	0.6	2.6	3.3	2.6
R33	1.3	1.1	2.6	3.9	3.1
R34	1.3	1.0	2.6	3.9	3.1
R35	1.0	0.8	2.6	3.6	2.8
R36	0.9	0.7	2.6	3.5	2.8
R37	0.5	0.4	2.6	3.1	2.5
R38	0.9	0.7	2.6	3.5	2.8
R39	0.8	0.6	2.6	3.4	2.7
R40	0.7	0.5	2.6	3.3	2.6
R41	0.6	0.5	2.6	3.2	2.6
R42	0.7	0.6	2.6	3.3	2.6
R43	0.6	0.5	2.6	3.2	2.6
R44	0.6	0.4	2.6	3.2	2.5
R45	0.4	0.3	2.6	3.0	2.4
R46	0.5	0.4	2.6	3.1	2.5
R47	0.4	0.3	2.6	3.0	2.4
R48	0.4	0.3	2.6	3.0	2.4

Table A8-3.65: Predicted Hourly Mean SO₂ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 3 (Conservative)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	1.2	0.3	2.6	3.8	1.1
R2	1.5	0.4	2.6	4.1	1.2
R3	2.1	0.6	2.6	4.7	1.3
R4	2.3	0.6	2.6	4.9	1.4
R5	2.3	0.6	2.6	4.9	1.4
R6	3.1	0.9	2.6	5.7	1.6
R7	2.0	0.6	2.6	4.6	1.3
R8	3.1	0.9	2.6	5.7	1.6
R9	2.9	0.8	2.6	5.5	1.6
R10	3.3	0.9	2.6	5.9	1.7
R11	2.2	0.6	2.6	4.8	1.4
R12	1.9	0.5	2.6	4.5	1.3
R13	4.0	1.2	2.6	6.6	1.9

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R14	4.3	1.2	2.6	6.9	2.0
R15	4.3	1.2	2.6	6.9	2.0
R16	4.5	1.3	2.6	7.1	2.0
R17	4.3	1.2	2.6	6.9	2.0
R18	4.6	1.3	2.6	7.2	2.1
R19	6.6	1.9	2.6	9.2	2.6
R20	4.5	1.3	2.6	7.1	2.0
R21	2.1	0.6	2.6	4.7	1.3
R22	3.3	0.9	2.6	5.9	1.7
R23	2.1	0.6	2.6	4.7	1.3
R24	1.7	0.5	2.6	4.3	1.2
R25	3.0	0.9	2.6	5.6	1.6
R26	5.4	1.5	2.6	8.0	2.3
R27	3.5	1.0	2.6	6.1	1.8
R28	4.5	1.3	2.6	7.1	2.0
R29	4.6	1.3	2.6	7.2	2.1
R30	2.9	0.8	2.6	5.5	1.6
R31	2.5	0.7	2.6	5.1	1.5
R32	3.0	0.9	2.6	5.6	1.6
R33	3.5	1.0	2.6	6.1	1.7
R34	3.6	1.0	2.6	6.2	1.8
R35	2.8	0.8	2.6	5.4	1.5
R36	2.7	0.8	2.6	5.3	1.5
R37	2.4	0.7	2.6	5.0	1.4
R38	3.1	0.9	2.6	5.7	1.6
R39	2.7	0.8	2.6	5.3	1.5
R40	2.4	0.7	2.6	5.0	1.4
R41	2.2	0.6	2.6	4.8	1.4
R42	2.5	0.7	2.6	5.1	1.5
R43	2.2	0.6	2.6	4.8	1.4
R44	2.1	0.6	2.6	4.7	1.3
R45	1.8	0.5	2.6	4.4	1.3
R46	2.1	0.6	2.6	4.7	1.3
R47	2.0	0.6	2.6	4.6	1.3
R48	2.0	0.6	2.6	4.6	1.3

Table A8-3.66: Predicted 15-minute Mean SO₂ Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 3 (Conservative)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	2.4	0.9	2.6	5.0	1.9
R2	2.9	1.1	2.6	5.5	2.1
R3	3.9	1.5	2.6	6.5	2.4

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R4	4.0	1.5	2.6	6.6	2.5
R5	4.3	1.6	2.6	6.9	2.6
R6	5.5	2.1	2.6	8.1	3.0
R7	3.6	1.4	2.6	6.2	2.3
R8	5.8	2.2	2.6	8.4	3.1
R9	5.3	2.0	2.6	7.9	3.0
R10	5.8	2.2	2.6	8.4	3.2
R11	3.8	1.4	2.6	6.4	2.4
R12	3.6	1.4	2.6	6.2	2.3
R13	7.2	2.7	2.6	9.8	3.7
R14	7.0	2.6	2.6	9.6	3.6
R15	8.8	3.3	2.6	11.4	4.3
R16	9.5	3.6	2.6	12.1	4.6
R17	8.1	3.0	2.6	10.7	4.0
R18	8.7	3.3	2.6	11.3	4.3
R19	11.0	4.1	2.6	13.6	5.1
R20	7.3	2.7	2.6	9.9	3.7
R21	3.2	1.2	2.6	5.8	2.2
R22	5.6	2.1	2.6	8.2	3.1
R23	2.9	1.1	2.6	5.5	2.1
R24	2.6	1.0	2.6	5.2	1.9
R25	4.7	1.8	2.6	7.3	2.7
R26	6.8	2.6	2.6	9.4	3.5
R27	5.2	2.0	2.6	7.8	2.9
R28	6.6	2.5	2.6	9.2	3.4
R29	6.7	2.5	2.6	9.3	3.5
R30	4.5	1.7	2.6	7.1	2.7
R31	4.3	1.6	2.6	6.9	2.6
R32	5.0	1.9	2.6	7.6	2.9
R33	6.3	2.4	2.6	8.9	3.3
R34	6.3	2.4	2.6	8.9	3.4
R35	4.8	1.8	2.6	7.4	2.8
R36	5.1	1.9	2.6	7.7	2.9
R37	4.8	1.8	2.6	7.4	2.8
R38	5.9	2.2	2.6	8.5	3.2
R39	5.3	2.0	2.6	7.9	3.0
R40	4.5	1.7	2.6	7.1	2.7
R41	4.1	1.5	2.6	6.7	2.5
R42	5.4	2.0	2.6	8.0	3.0
R43	4.7	1.8	2.6	7.3	2.8
R44	3.9	1.5	2.6	6.5	2.4
R45	4.6	1.7	2.6	7.2	2.7
R46	3.8	1.4	2.6	6.4	2.4
R47	3.6	1.4	2.6	6.2	2.3

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R48	3.6	1.4	2.6	6.2	2.3

Table A8-3.67: Predicted Annual Mean C6H6 Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 3 (Conservative)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R1	0.2	3.4	0.2	0.4	7.4
R2	0.2	4.7	0.2	0.4	8.7
R3	0.4	7.1	0.2	0.6	11.1
R4	0.4	7.8	0.2	0.6	11.8
R5	0.4	8.3	0.2	0.6	12.3
R6	0.5	9.6	0.2	0.7	13.6
R7	0.5	9.2	0.2	0.7	13.2
R8	0.7	13.7	0.2	0.9	17.7
R9	0.7	13.7	0.2	0.9	17.7
R10	0.9	17.5	0.2	1.1	21.5
R11	0.4	8.2	0.2	0.6	12.2
R12	0.4	7.1	0.2	0.6	11.1
R13	1.2	23.7	0.2	1.4	27.7
R14	1.2	24.3	0.2	1.4	28.3
R15	0.9	18.8	0.2	1.1	22.8
R16	1.1	21.1	0.2	1.3	25.1
R17	0.5	10.6	0.2	0.7	14.6
R18	0.7	14.6	0.2	0.9	18.6
R19	2.2	44.7	0.2	2.4	48.7
R20	0.9	17.7	0.2	1.1	21.7
R21	0.3	6.7	0.2	0.5	10.7
R22	1.0	19.5	0.2	1.2	23.5
R23	0.7	14.8	0.2	0.9	18.8
R24	0.6	12.3	0.2	0.8	16.3
R25	0.8	15.7	0.2	1.0	19.7
R26	2.2	43.9	0.2	2.4	47.9
R27	0.7	13.9	0.2	0.9	17.9
R28	1.2	24.2	0.2	1.4	28.2
R29	1.4	28.6	0.2	1.6	32.6
R30	0.6	11.2	0.2	0.8	15.2
R31	0.5	10.8	0.2	0.7	14.8
R32	0.5	10.7	0.2	0.7	14.7
R33	0.9	18.1	0.2	1.1	22.1
R34	1.1	21.7	0.2	1.3	25.7
R35	0.5	10.9	0.2	0.7	14.9
R36	0.7	13.4	0.2	0.9	17.4
R37	0.4	8.6	0.2	0.6	12.6

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R38	0.8	15.9	0.2	1.0	19.9
R39	0.7	13.1	0.2	0.9	17.1
R40	0.6	12.6	0.2	0.8	16.6
R41	0.6	11.4	0.2	0.8	15.4
R42	0.7	14.9	0.2	0.9	18.9
R43	0.6	11.3	0.2	0.8	15.3
R44	0.5	10.9	0.2	0.7	14.9
R45	0.4	7.5	0.2	0.6	11.5
R46	0.5	10.3	0.2	0.7	14.3
R47	0.4	8.2	0.2	0.6	12.2
R48	0.4	8.2	0.2	0.6	12.2

Table A8-3.68: Predicted Hourly Maximum C6H6 Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 3 (Conservative)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env Conc. as a Proportion of AQ Standard (%)
R1	19.7	10.1	0.3	2<0.1	10.3
R2	27.6	14.1	0.3	27.9	14.3
R3	29.7	15.2	0.3	3<0.1	15.4
R4	32.9	16.9	0.3	33.2	17.0
R5	31.8	16.3	0.3	32.1	16.5
R6	39.7	20.4	0.3	4<0.1	20.5
R7	16.6	8.5	0.3	16.9	8.7
R8	39.1	20.1	0.3	39.4	20.2
R9	33.6	17.2	0.3	33.9	17.4
R10	37.7	19.3	0.3	38.0	19.5
R11	37.3	19.1	0.3	37.6	19.3
R12	17.6	9.0	0.3	17.9	9.2
R13	45.1	23.1	0.3	45.4	23.3
R14	47.2	24.2	0.3	47.5	24.4
R15	41.5	21.3	0.3	41.8	21.4
R16	46.2	23.7	0.3	46.5	23.8
R17	34.9	17.9	0.3	35.2	18.0
R18	40.4	20.7	0.3	40.7	20.9
R19	58.0	29.8	0.3	58.3	29.9
R20	36.9	18.9	0.3	37.2	19.1
R21	34.0	17.4	0.3	34.3	17.6
R22	33.5	17.2	0.3	33.8	17.3
R23	28.8	14.7	0.3	29.1	14.9
R24	32.7	16.8	0.3	33.0	16.9
R25	29.4	15.1	0.3	29.7	15.2
R26	48.0	24.6	0.3	48.3	24.8
R27	24.7	12.6	0.3	25.0	12.8

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R28	35.2	18.1	0.3	35.5	18.2
R29	38.3	19.6	0.3	38.6	19.8
R30	29.8	15.3	0.3	30.1	15.4
R31	27.4	14.1	0.3	27.7	14.2
R32	3<0.1	15.4	0.3	30.3	15.5
R33	30.2	15.5	0.3	30.5	15.7
R34	43.5	22.3	0.3	43.8	22.4
R35	22.2	11.4	0.3	22.5	11.5
R36	25.3	13.0	0.3	25.6	13.1
R37	27.0	13.8	0.3	27.3	14.0
R38	38.7	19.8	0.3	39.0	2<0.1
R39	29.7	15.2	0.3	3<0.1	15.4
R40	28.9	14.8	0.3	29.2	15.0
R41	25.7	13.2	0.3	26.0	13.3
R42	22.7	11.7	0.3	23.0	11.8
R43	23.4	12.0	0.3	23.7	12.2
R44	25.0	12.8	0.3	25.3	13.0
R45	18.3	9.4	0.3	18.6	9.5
R46	23.7	12.2	0.3	24.0	12.3
R47	27.6	14.1	0.3	27.9	14.3
R48	27.6	14.1	0.3	27.9	14.3

Table A8-3.69: Predicted Hourly Maximum CH₂O Process Contribution and Predicted Environmental Concentration at Human Health Receptors – Sensitivity Scenario 3 (Conservative)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
R1	2.7	2.7	<0.1	2.7	2.7
R2	2.8	2.8	<0.1	2.8	2.8
R3	3.2	3.2	<0.1	3.2	3.2
R4	3.8	3.8	<0.1	3.8	3.8
R5	3.4	3.4	<0.1	3.4	3.4
R6	5.2	5.2	<0.1	5.2	5.2
R7	3.0	3.0	<0.1	3.0	3.0
R8	4.7	4.7	<0.1	4.7	4.7
R9	4.3	4.3	<0.1	4.3	4.3
R10	5.1	5.1	<0.1	5.1	5.1
R11	3.6	3.6	<0.1	3.6	3.6
R12	3.1	3.1	<0.1	3.1	3.1
R13	6.7	6.7	<0.1	6.7	6.7
R14	6.8	6.8	<0.1	6.8	6.8
R15	7.2	7.2	<0.1	7.2	7.2
R16	7.4	7.4	<0.1	7.4	7.4
R17	6.2	6.2	<0.1	6.2	6.2

R18	6.4	6.4	<0.1	6.4	6.4
R19	8.5	8.5	<0.1	8.5	8.5
R20	6.9	6.9	<0.1	6.9	6.9
R21	3.6	3.6	<0.1	3.6	3.6
R22	7.1	7.1	<0.1	7.1	7.1
R23	5.7	5.7	<0.1	5.7	5.7
R24	4.7	4.7	<0.1	4.7	4.7
R25	5.3	5.3	<0.1	5.3	5.3
R26	9.2	9.2	<0.1	9.2	9.2
R27	6.2	6.2	<0.1	6.2	6.2
R28	7.3	7.3	<0.1	7.3	7.3
R29	7.9	7.9	<0.1	7.9	7.9
R30	4.8	4.8	<0.1	4.8	4.8
R31	4.5	4.5	<0.1	4.5	4.5
R32	5.3	5.3	<0.1	5.3	5.3
R33	6.2	6.2	<0.1	6.2	6.2
R34	6.4	6.4	<0.1	6.4	6.4
R35	4.1	4.1	<0.1	4.1	4.1
R36	4.8	4.8	<0.1	4.8	4.8
R37	4.8	4.8	<0.1	4.8	4.8
R38	5.1	5.1	<0.1	5.1	5.1
R39	4.4	4.4	<0.1	4.4	4.4
R40	3.8	3.8	<0.1	3.8	3.8
R41	3.1	3.1	<0.1	3.1	3.1
R42	4.1	4.1	<0.1	4.1	4.1
R43	4.1	4.1	<0.1	4.1	4.1
R44	3.1	3.1	<0.1	3.1	3.1
R45	3.1	3.1	<0.1	3.1	3.1
R46	3.1	3.1	<0.1	3.1	3.1
R47	2.9	2.9	<0.1	2.9	2.9
R48	2.9	2.9	<0.1	2.9	2.9

Table A8-3.70: Predicted Annual Mean NOX Process Contribution and Predicted Environmental Concentration at Nature Conservation Receptors – Sensitivity Scenario 3 (Conservative)

Receptor	Process Cont. (µg/m3)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m3)	Predicted Env. Conc. (µg/m3)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
E1	0.7	2.5	6.2	6.9	23.2
E2	0.6	2.1	6.2	6.8	22.8
E3	0.6	2.2	6.2	6.8	22.8
E4	0.7	2.5	6.2	6.9	23.1
E5	0.6	1.8	6.2	6.8	22.5
E6	1.2	4.1	6.2	7.4	24.7
E7	1.4	4.5	6.2	7.6	25.2
E8	1.3	4.3	6.2	7.5	24.9
E9	1.4	4.6	6.2	7.6	25.3

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
E10	1.0	3.2	6.2	7.2	23.9
E11	0.3	1.0	6.2	6.5	21.7
E12	1.2	4.1	6.2	7.4	24.7
E13	1.3	4.4	6.2	7.5	25.0
E14	1.0	3.3	6.2	7.2	24.0
E15	0.8	2.7	6.2	7.0	23.3
E16	0.7	2.3	6.2	6.9	23.0
E17	0.8	2.8	6.2	7.0	23.4
E18	0.7	2.2	6.2	6.9	22.9
E19	0.8	2.8	6.2	7.0	23.5
E20	0.6	2.1	6.2	6.8	22.8
E21	1.4	4.7	6.2	7.6	25.4
E22	1.0	3.4	6.2	7.2	24.1
E23	1.2	4.0	6.2	7.4	24.6
E24	0.3	1.0	6.2	6.5	21.7
E25	0.3	1.1	6.2	6.5	21.7
E26	0.3	0.9	6.2	6.5	21.6
E27	0.3	1.1	6.2	6.5	21.8
E28	0.3	0.9	6.2	6.5	21.6
E29	0.3	0.9	6.2	6.5	21.6
E30	0.3	0.9	6.2	6.5	21.5
E31	0.1	0.3	6.2	6.3	20.9

Table A8-3.71: Predicted Daily Maximum NOX Process Contribution and Predicted Environmental Concentration at Nature Conservation Receptors – Sensitivity Scenario 3 (Conservative)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Predicted Env. Conc. (µg/m ³)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
E1	48.0	64.0	12.4	60.4	80.6
E2	42.9	57.2	12.4	55.3	73.7
E3	41.3	55.1	12.4	53.7	71.6
E4	37.0	49.3	12.4	49.4	65.9
E5	22.1	29.5	12.4	34.5	46.0
E6	28.2	37.6	12.4	40.6	54.1
E7	35.7	47.6	12.4	48.1	64.1
E8	38.0	50.7	12.4	50.4	67.2
E9	36.2	48.3	12.4	48.6	64.9
E10	33.8	45.1	12.4	46.2	61.6
E11	21.6	28.8	12.4	34.0	45.3
E12	40.2	53.6	12.4	52.6	70.1
E13	31.4	41.9	12.4	43.8	58.4
E14	57.4	76.5	12.4	69.8	93.0
E15	50.9	67.9	12.4	63.3	84.4
E16	45.2	60.3	12.4	57.6	76.8

Receptor	Process Cont. (µg/m3)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m3)	Predicted Env. Conc. (µg/m3)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
E17	52.7	70.2	12.4	65.1	86.7
E18	44.9	59.9	12.4	57.3	76.4
E19	29.1	38.8	12.4	41.5	55.3
E20	24.7	32.9	12.4	37.1	49.4
E21	36.1	48.2	12.4	48.5	64.7
E22	23.4	31.2	12.4	35.8	47.7
E23	34.1	45.4	12.4	46.5	62.0
E24	20.5	27.4	12.4	32.9	43.9
E25	18.4	24.6	12.4	30.8	41.1
E26	16.1	21.5	12.4	28.5	38.0
E27	17.1	22.8	12.4	29.5	39.4
E28	19.1	25.5	12.4	31.5	42.1
E29	19.1	25.4	12.4	31.5	42.0
E30	18.2	24.2	12.4	30.6	40.8
E31	9.2	12.2	12.4	21.6	28.7

Table A8-3.72: Predicted Annual Mean SO2 Process Contribution and Predicted Environmental Concentration at Nature Conservation Receptors – Sensitivity Scenario 3 (Conservative)

Receptor	Process Cont. (µg/m3)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m3)	Predicted Env. Conc. (µg/m3)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
E1	<0.1	0.1	1.3	1.3	6.6
E2	<0.1	0.1	1.3	1.3	6.6
E3	<0.1	0.1	1.3	1.3	6.6
E4	<0.1	0.1	1.3	1.3	6.6
E5	<0.1	0.1	1.3	1.3	6.6
E6	<0.1	0.1	1.3	1.3	6.6
E7	<0.1	0.1	1.3	1.3	6.6
E8	<0.1	0.1	1.3	1.3	6.6
E9	<0.1	0.1	1.3	1.3	6.6
E10	<0.1	0.1	1.3	1.3	6.6
E11	<0.1	<0.1	1.3	1.3	6.5
E12	<0.1	0.1	1.3	1.3	6.6
E13	<0.1	0.1	1.3	1.3	6.6
E14	<0.1	0.1	1.3	1.3	6.6
E15	<0.1	0.1	1.3	1.3	6.6
E16	<0.1	0.1	1.3	1.3	6.6
E17	<0.1	0.1	1.3	1.3	6.6
E18	<0.1	0.1	1.3	1.3	6.6
E19	<0.1	0.1	1.3	1.3	6.6
E20	<0.1	0.1	1.3	1.3	6.6
E21	<0.1	0.2	1.3	1.3	6.7
E22	<0.1	0.1	1.3	1.3	6.6
E23	<0.1	0.1	1.3	1.3	6.6

E24	<0.1	<0.1	1.3	1.3	6.5
E25	<0.1	<0.1	1.3	1.3	6.5
E26	<0.1	<0.1	1.3	1.3	6.5
E27	<0.1	<0.1	1.3	1.3	6.5
E28	<0.1	<0.1	1.3	1.3	6.5
E29	<0.1	<0.1	1.3	1.3	6.5
E30	<0.1	<0.1	1.3	1.3	6.5
E31	<0.1	<0.1	1.3	1.3	6.5

Table A8-3.73: Predicted Annual Mean Nitrogen Deposition Process Contribution and Predicted Environmental Concentration at Nature Conservation Receptors – Sensitivity Scenario 3 (Conservative)

Receptor	Process Cont. (kg N/ha/yr)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (kg N/ha/yr)	Predicted Env. Conc. (kg N/ha/yr)	Predicted Env. Conc. as a Proportion of AQ Standard (%)
E1	0.1	0.5	12.0	12.1	60.5
E2	0.1	0.5	12.0	12.1	60.5
E3	0.1	0.5	12.0	12.1	60.5
E4	0.1	0.5	12.0	12.1	60.5
E5	0.1	0.4	12.0	12.1	60.4
E6	0.2	0.9	12.0	12.2	60.9
E7	0.2	1.0	12.0	12.2	61.0
E8	0.2	0.9	12.0	12.2	60.9
E9	0.2	1.0	12.0	12.2	61.0
E10	0.1	0.7	12.0	12.1	60.7
E11	<0.1	0.2	12.0	12.0	60.2
E12	0.2	0.9	12.0	12.2	60.9
E13	0.2	0.9	12.0	12.2	60.9
E14	0.1	0.7	12.0	12.1	60.7
E15	0.1	0.6	12.0	12.1	60.6
E16	0.1	0.5	12.0	12.1	60.5
E17	0.1	0.6	12.0	12.1	60.6
E18	0.1	0.5	12.0	12.1	60.5
E19	0.1	0.6	12.0	12.1	60.6
E20	0.1	0.5	12.0	12.1	60.5
E21	0.2	1.0	12.0	12.2	61.0
E22	0.1	0.7	12.0	12.1	60.7
E23	0.2	0.9	12.0	12.2	60.9
E24	<0.1	0.2	12.0	12.0	60.2
E25	<0.1	0.2	12.0	12.0	60.2
E26	<0.1	0.2	12.0	12.0	60.2
E27	<0.1	0.2	12.0	12.0	60.2
E28	<0.1	0.2	12.0	12.0	60.2
E29	<0.1	0.2	12.0	12.0	60.2
E30	<0.1	0.2	12.0	12.0	60.2

Receptor	Process Cont. (kg N/ha/yr)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (kg N/ha/yr)	Predicted Env. Conc. (kg N/ha/yr)	Predicted Env Conc. as a Proportion of AQ Standard (%)
E31	<0.1	0.1	12.0	12.0	60.1

Table A8-3.74: Predicted Annual Mean Acid Deposition Process Contribution and Predicted Environmental Concentration at Nature Conservation Receptors1 – Sensitivity Scenario 3 (Conservative)

Receptor	Process Cont. (kg N/ha/yr)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (kg N/ha/yr)	Predicted Env. Conc. (kg N/ha/yr)	Predicted Env Conc. as a Proportion of AQ Standard (%)
E11	<0.01	<0.1	0.5	0.50	88.0
E12	0.02	1.8	0.5	0.51	89.8
E24	<0.01	0.1	0.5	0.50	50.0
E25	<0.01	0.1	0.5	0.50	50.0
E26	<0.01	0.1	0.5	0.50	50.0
E27	<0.01	0.1	0.5	0.50	50.0
E28	<0.01	0.1	0.5	0.50	50.0
E29	<0.01	0.1	0.5	0.50	50.0
E30	<0.01	0.1	0.5	0.50	50.0
E31	<0.01	<0.1	0.5	0.50	73.2

Notes:

- 1 Receptor E1 to E10 and E13 to E23 are not considered to be sensitive to acid deposition impacts.

C. Combined Operational Air Quality Predictions

Table A8-3.75 and Table A8-3.76 provides predicted operational combined air quality statistics for the Normal Operational Scenario (Combined Loop Re-gasification and CCGT) as a result of site and road traffic emissions at receptors located within 200m of the roads from which vehicle emissions have been used in the assessment. For receptors not located within 200m of a road included in the air quality model, operational concentrations remain consistent with the data provided in Appendix B.2. For pollutants not considered as primary pollutants from road traffic emissions, operational concentrations also remain consistent with those reported in Appendix B.2.

Table A8-3.75: Combined Operational Air Quality Statistics – Human Health Sensitive Receptors1 – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Annual Mean Road Contribution (µg/m3)			Ambient Background (µg/m3)			Annual Mean Total Concentration (µg/m3)		
	NO ₂	PM ₁₀	PM _{2.5}	NO ₂	PM ₁₀	PM _{2.5}	NO ₂	PM ₁₀	PM _{2.5}
R3	<0.1	<0.1	<0.1	4.3	9.0	4.0	5.3	9.0	4.0
R5	<0.1	<0.1	<0.1	4.3	9.0	4.0	5.6	9.1	4.1
R9	<0.1	<0.1	<0.1	4.3	9.0	4.0	6.1	9.0	4.0
R10	<0.1	<0.1	<0.1	4.3	9.0	4.0	6.7	9.1	4.1
R13	<0.1	<0.1	<0.1	4.3	9.0	4.0	7.3	9.0	4.0
R14	<0.1	<0.1	<0.1	4.3	9.0	4.0	7.4	9.0	4.0
R15	<0.1	<0.1	<0.1	4.3	9.0	4.0	6.8	9.0	4.0
R16	<0.1	<0.1	<0.1	4.3	9.0	4.0	7.1	9.0	4.0
R18	<0.1	<0.1	<0.1	4.3	9.0	4.0	6.3	9.0	4.0
R20	<0.1	<0.1	<0.1	4.3	9.0	4.0	6.6	9.0	4.0
R22	<0.1	<0.1	<0.1	4.3	9.0	4.0	6.8	9.0	4.0
R25	<0.1	<0.1	<0.1	4.3	9.0	4.0	6.7	9.1	4.1
R27	<0.1	<0.1	<0.1	4.3	9.0	4.0	6.5	9.1	4.1

Receptor	Annual Mean Road Contribution (µg/m ³)			Ambient Background (µg/m ³)			Annual Mean Total Concentration (µg/m ³)		
	NO ₂	PM ₁₀	PM _{2.5}	NO ₂	PM ₁₀	PM _{2.5}	NO ₂	PM ₁₀	PM _{2.5}
R33	<0.1	<0.1	<0.1	4.3	9.0	4.0	6.6	9.0	4.0
R36	<0.1	<0.1	<0.1	4.3	9.0	4.0	6.1	9.0	4.0
R38	<0.1	<0.1	<0.1	4.3	9.0	4.0	6.3	9.0	4.0
R39	<0.1	<0.1	<0.1	4.3	9.0	4.0	6.1	9.0	4.0
R40	<0.1	<0.1	<0.1	4.3	9.0	4.0	6.0	9.0	4.0
R41	<0.1	<0.1	<0.1	4.3	9.0	4.0	5.9	9.1	4.1
R44	<0.1	<0.1	<0.1	4.3	9.0	4.0	6.1	9.1	4.1
R46	<0.1	<0.1	<0.1	4.3	9.0	4.0	5.7	9.0	4.0
R48	<0.1	<0.1	<0.1	4.3	9.0	4.0	11.0	10.9	5.9

Notes:

¹ Human health receptors located within 200m of a modelled road link.

Table A8-3.76: Combined Operational Air Quality Statistics – Nature Conservation Sensitive Receptors¹ – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Annual Mean Road Contribution (µg/m ³)			Ambient Background (µg/m ³)			Annual Mean Total Concentration (µg/m ³)		
	NO _x (µg/m ³)	Nitrogen Deposition (kg N/ha/yr)	Acid Deposition (keq/ha/yr)	NO _x (µg/m ³)	Nitrogen Deposition (kg N/ha/yr)	Acid Deposition (keq/ha/yr)	NO _x (µg/m ³)	Nitrogen Deposition (kg N/ha/yr)	Acid Deposition (keq/ha/yr)
E01	<0.1	<0.1	N/A ²	6.2	12.0	N/A ²	6.8	12.1	N/A ²
E07	<0.1	<0.1	N/A ²	6.2	12.0	N/A ²	8.5	12.2	N/A ²
E08	<0.1	<0.1	N/A ²	6.2	12.0	N/A ²	7.4	12.2	N/A ²
E09	<0.1	<0.1	N/A ²	6.2	12.0	N/A ²	10.2	12.4	N/A ²
E17	<0.1	<0.1	N/A ²	6.2	12.0	N/A ²	7.0	12.1	N/A ²
E23	<0.1	<0.1	N/A ²	6.2	12.0	N/A ²	7.1	12.1	N/A ²
Air Quality Standards	30	Various – see Table 8.9		30	Various – see Table 8.9		30	Various – see Table 8.9	

Notes:

¹ Nature conservation receptors located within 200m of a modelled road link.

² No acid deposition sensitive receptors located within 200m of a modelled road.

D. Cumulative Operational Air Quality Predictions

The following tables provides predicted cumulative operational air quality statistics for the Normal Operational Scenario (Combined Loop Re-gasification and CCGT) as a result of site emissions and cumulative emissions from other nearby sources of emissions to air (Moneypoint Power Station and Tarbert Power Station). Statistics are provided for the pollutants and averaging periods that are common between the Proposed Development and cumulative sources.

Table A8-3.77: Predicted Annual Mean NO₂ Process Contribution and Cumulative Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Cumulative Cont. (µg/m ³)	Predicted Cumulative Env. Conc. (µg/m ³)	Predicted Cumulative Env. Conc. as a Proportion of AQ Standard (%)
R1	0.4	1.1	4.3	0.1	4.8	12.0
R2	0.6	1.5	4.3	0.1	5.0	12.5
R3	0.9	2.2	4.3	0.1	5.4	13.5
R4	1.0	2.4	4.3	0.1	5.4	13.5

Receptor	Process Cont. ($\mu\text{g}/\text{m}^3$)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. ($\mu\text{g}/\text{m}^3$)	Cumulative Cont. ($\mu\text{g}/\text{m}^3$)	Predicted Cumulative Env. Conc. ($\mu\text{g}/\text{m}^3$)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
R5	1.0	2.6	4.3	0.1	5.7	14.3
R6	1.3	3.1	4.3	0.1	5.7	14.2
R7	1.2	3.0	4.3	0.2	5.7	14.3
R8	1.7	4.3	4.3	0.1	6.1	15.3
R9	1.7	4.3	4.3	0.1	6.2	15.5
R10	2.2	5.4	4.3	0.1	6.8	17.1
R11	1.0	2.6	4.3	0.1	5.5	13.7
R12	1.0	2.4	4.3	0.2	5.5	13.7
R13	2.9	7.3	4.3	0.1	7.4	18.6
R14	3.0	7.5	4.3	0.1	7.5	18.8
R15	2.4	6.1	4.3	0.1	6.9	17.2
R16	2.7	6.8	4.3	0.1	7.2	18.0
R17	1.4	3.6	4.3	0.1	5.9	14.7
R18	2.0	4.9	4.3	0.1	6.4	16.1
R19	5.7	14.2	4.3	0.1	10.1	25.4
R20	2.3	5.6	4.3	0.1	6.7	16.8
R21	0.8	2.1	4.3	0.1	5.3	13.2
R22	2.4	6.1	4.3	0.1	6.9	17.4
R23	1.8	4.4	4.3	0.1	6.2	15.5
R24	1.4	3.6	4.3	0.1	5.9	14.7
R25	2.1	5.1	4.3	0.1	6.8	17.1
R26	5.4	13.4	4.3	0.1	9.8	24.5
R27	1.9	4.7	4.3	0.1	6.6	16.5
R28	3.1	7.7	4.3	0.1	7.5	18.7
R29	3.5	8.8	4.3	0.1	7.9	19.8
R30	1.4	3.5	4.3	0.1	5.8	14.4
R31	1.3	3.2	4.3	0.1	5.7	14.2
R32	1.4	3.4	4.3	0.1	5.7	14.4
R33	2.3	5.7	4.3	0.1	6.7	16.7
R34	2.6	6.6	4.3	0.1	7.0	17.5
R35	1.4	3.6	4.3	0.1	5.8	14.5
R36	1.7	4.2	4.3	0.1	6.1	15.4
R37	1.1	2.8	4.3	0.2	5.6	14.0
R38	1.9	4.9	4.3	0.1	6.4	15.9
R39	1.6	4.1	4.3	0.1	6.2	15.4
R40	1.6	3.9	4.3	0.1	6.1	15.2
R41	1.5	3.6	4.3	0.1	6.1	15.2
R42	1.9	4.7	4.3	0.1	6.3	15.7
R43	1.4	3.6	4.3	0.1	5.9	14.7
R44	1.5	3.6	4.3	0.1	6.2	15.5
R45	1.0	2.5	4.3	0.5	5.8	14.4
R46	1.3	3.3	4.3	0.1	5.9	14.6
R47	1.0	2.6	4.3	0.2	5.5	13.8

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Cumulative Cont. (µg/m ³)	Predicted Cumulative Env. Conc. (µg/m ³)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
R48	1.4	3.4	4.3	0.1	11.1	27.7

Table A8-3.78: Predicted Hourly Mean NO₂ Process Contribution and Cumulative Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Cumulative Cont. (µg/m ³)	Predicted Cumulative Env. Conc. (µg/m ³)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
R1	15.5	7.7	8.7	4.9	24.2	12.1
R2	20.2	10.1	8.7	5.3	29.1	14.6
R3	25.3	12.7	8.7	5.7	34.0	17.0
R4	28.0	14.0	8.7	5.7	36.6	18.3
R5	28.6	14.3	8.7	5.7	37.3	18.6
R6	38.2	19.1	8.7	6.0	46.9	23.5
R7	15.3	7.6	8.7	6.6	24.0	12.0
R8	39.0	19.5	8.7	6.1	47.7	23.8
R9	32.9	16.4	8.7	6.3	41.6	20.8
R10	38.4	19.2	8.7	6.6	47.1	23.6
R11	24.6	12.3	8.7	7.4	33.3	16.6
R12	15.0	7.5	8.7	5.9	23.7	11.8
R13	46.7	23.4	8.7	7.5	55.4	27.7
R14	50.1	25.0	8.7	7.5	58.8	29.4
R15	42.6	21.3	8.7	7.5	51.2	25.6
R16	46.3	23.1	8.7	7.5	55.0	27.5
R17	26.8	13.4	8.7	7.8	37.5	18.8
R18	33.0	16.5	8.7	7.7	41.7	20.9
R19	59.7	29.8	8.7	8.1	68.4	34.2
R20	34.7	17.3	8.7	8.2	43.4	21.7
R21	22.2	11.1	8.7	7.9	30.9	15.5
R22	33.5	16.8	8.7	8.1	42.2	21.1
R23	27.0	13.5	8.7	8.0	35.7	17.8
R24	24.8	12.4	8.7	7.9	33.5	16.7
R25	26.8	13.4	8.7	7.9	35.5	17.8
R26	48.4	24.2	8.7	8.6	57.1	28.6
R27	23.1	11.5	8.7	7.0	31.8	15.9
R28	31.9	16.0	8.7	6.9	40.6	20.3
R29	35.1	17.6	8.7	6.9	43.8	21.9
R30	20.3	10.2	8.7	6.1	29.0	14.5
R31	19.9	1<0.1	8.7	5.7	28.6	14.3
R32	20.8	10.4	8.7	5.3	29.5	14.7
R33	27.1	13.6	8.7	4.3	35.8	17.9
R34	29.2	14.6	8.7	4.6	37.9	18.9
R35	18.9	9.4	8.7	5.2	27.6	13.8

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Cumulative Cont. (µg/m ³)	Predicted Cumulative Env. Conc. (µg/m ³)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
R36	21.7	10.9	8.7	5.7	30.4	15.2
R37	22.0	11.0	8.7	2.9	30.7	15.3
R38	23.4	11.7	8.7	6.5	32.1	16.0
R39	21.3	10.7	8.7	6.8	30.0	15.0
R40	18.7	9.4	8.7	7.1	27.4	13.7
R41	16.1	8.1	8.7	6.5	24.8	12.4
R42	17.8	8.9	8.7	6.6	26.5	13.3
R43	16.8	8.4	8.7	6.3	25.4	12.7
R44	15.2	7.6	8.7	6.1	23.9	12.0
R45	15.1	7.5	8.7	7.6	23.8	11.9
R46	14.5	7.3	8.7	5.8	23.6	11.8
R47	14.0	7.0	8.7	6.4	22.7	11.3
R48	14.5	7.3	8.7	5.8	23.6	11.8

Table A8-3.79: Predicted Annual Mean PM10 Process Contribution and Cumulative Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Cumulative Cont. (µg/m ³)	Predicted Cumulative Env. Conc. (µg/m ³)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
R1	<0.1	<0.1	9.0	<0.1	9.0	22.6
R2	<0.1	<0.1	9.0	<0.1	9.0	22.6
R3	0.1	0.1	9.0	<0.1	9.1	22.8
R4	<0.1	0.1	9.0	<0.1	9.0	22.6
R5	0.1	0.3	9.0	<0.1	9.2	23.0
R6	<0.1	0.1	9.0	<0.1	9.1	22.6
R7	<0.1	0.1	9.0	<0.1	9.1	22.7
R8	<0.1	0.1	9.0	<0.1	9.1	22.7
R9	0.1	0.1	9.0	<0.1	9.1	22.8
R10	0.1	0.3	9.0	<0.1	9.2	23.0
R11	<0.1	0.1	9.0	<0.1	9.1	22.7
R12	<0.1	0.1	9.0	<0.1	9.1	22.7
R13	0.1	0.2	9.0	<0.1	9.1	22.8
R14	0.1	0.2	9.0	<0.1	9.1	22.8
R15	0.1	0.2	9.0	<0.1	9.1	22.8
R16	0.1	0.2	9.0	<0.1	9.1	22.8
R17	<0.1	0.1	9.0	<0.1	9.1	22.7
R18	0.1	0.2	9.0	<0.1	9.1	22.8
R19	0.1	0.2	9.0	<0.1	9.1	22.8
R20	<0.1	0.1	9.0	<0.1	9.1	22.7
R21	<0.1	<0.1	9.0	<0.1	9.1	22.6
R22	0.1	0.2	9.0	<0.1	9.1	22.8
R23	<0.1	<0.1	9.0	<0.1	9.1	22.6

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Cumulative Cont. (µg/m ³)	Predicted Cumulative Env. Conc. (µg/m ³)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
R24	<0.1	<0.1	9.0	<0.1	9.0	22.6
R25	0.2	0.5	9.0	<0.1	9.3	23.3
R26	0.1	0.2	9.0	<0.1	9.1	22.7
R27	0.2	0.4	9.0	<0.1	9.3	23.3
R28	0.1	0.1	9.0	<0.1	9.1	22.7
R29	0.1	0.2	9.0	<0.1	9.1	22.7
R30	<0.1	0.1	9.0	<0.1	9.0	22.6
R31	<0.1	0.1	9.0	<0.1	9.0	22.6
R32	<0.1	0.1	9.0	<0.1	9.1	22.6
R33	0.1	0.2	9.0	<0.1	9.1	22.7
R34	0.1	0.1	9.0	<0.1	9.1	22.7
R35	<0.1	0.1	9.0	<0.1	9.1	22.7
R36	0.1	0.2	9.0	<0.1	9.1	22.8
R37	<0.1	0.1	9.0	<0.1	9.1	22.7
R38	<0.1	0.1	9.0	<0.1	9.1	22.7
R39	0.1	0.2	9.0	<0.1	9.1	22.9
R40	0.1	0.2	9.0	<0.1	9.1	22.8
R41	0.1	0.3	9.0	<0.1	9.2	23.0
R42	<0.1	0.1	9.0	<0.1	9.1	22.7
R43	<0.1	0.1	9.0	<0.1	9.1	22.7
R44	0.2	0.4	9.0	<0.1	9.3	23.3
R45	<0.1	0.1	9.0	0.1	9.1	22.8
R46	0.1	0.2	9.0	<0.1	9.1	22.9
R47	<0.1	0.1	9.0	<0.1	9.1	22.7
R48	1.9	4.8	9.0	<0.1	12.8	32.1

Table A8-3.80: Predicted Daily Mean PM10 Process Contribution and Cumulative Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Cumulative Cont. (µg/m ³)	Predicted Cumulative Env. Conc. (µg/m ³)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
R1	0.1	0.3	18.0	<0.1	18.2	36.4
R2	0.2	0.3	18.0	<0.1	18.3	36.5
R3	0.2	0.4	18.0	0.1	18.3	36.6
R4	0.2	0.5	18.0	0.1	18.3	36.7
R5	0.2	0.5	18.0	0.1	18.3	36.7
R6	0.4	0.7	18.0	<0.1	18.4	36.9
R7	0.3	0.6	18.0	0.1	18.4	36.8
R8	0.4	0.7	18.0	0.1	18.4	36.9
R9	0.3	0.6	18.0	0.1	18.4	36.8
R10	0.4	0.7	18.0	0.1	18.5	37.0
R11	0.3	0.6	18.0	0.1	18.4	36.9

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Cumulative Cont. (µg/m ³)	Predicted Cumulative Env. Conc. (µg/m ³)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
R12	0.3	0.6	18.0	0.1	18.4	36.7
R13	0.6	1.2	18.0	0.1	18.7	37.3
R14	0.6	1.3	18.0	0.1	18.7	37.4
R15	0.7	1.4	18.0	0.1	18.8	37.5
R16	0.7	1.4	18.0	0.1	18.8	37.6
R17	0.6	1.2	18.0	0.1	18.7	37.4
R18	0.7	1.4	18.0	0.1	18.8	37.6
R19	0.8	1.7	18.0	0.1	18.9	37.8
R20	0.4	0.9	18.0	0.1	18.5	37.0
R21	0.2	0.4	18.0	0.1	18.3	36.5
R22	0.3	0.6	18.0	0.1	18.4	36.7
R23	0.2	0.4	18.0	<0.1	18.3	36.6
R24	0.2	0.3	18.0	0.1	18.3	36.5
R25	0.3	0.7	18.0	<0.1	18.4	36.8
R26	0.9	1.8	18.0	<0.1	19.1	38.2
R27	0.5	0.9	18.0	<0.1	18.6	37.2
R28	0.8	1.6	18.0	<0.1	18.8	37.7
R29	0.9	1.8	18.0	<0.1	18.9	37.9
R30	0.3	0.7	18.0	<0.1	18.5	36.9
R31	0.3	0.6	18.0	0.1	18.4	36.8
R32	0.4	0.8	18.0	<0.1	18.5	37.0
R33	0.7	1.4	18.0	<0.1	18.7	37.4
R34	0.6	1.2	18.0	<0.1	18.7	37.4
R35	0.5	1.0	18.0	0.1	18.6	37.1
R36	0.5	1.0	18.0	<0.1	18.6	37.2
R37	0.3	0.5	18.0	0.1	18.3	36.6
R38	0.4	0.9	18.0	<0.1	18.5	37.1
R39	0.4	0.8	18.0	0.1	18.5	36.9
R40	0.4	0.7	18.0	0.1	18.5	37.0
R41	0.3	0.6	18.0	0.1	18.4	36.8
R42	0.4	0.8	18.0	0.1	18.4	36.8
R43	0.4	0.7	18.0	0.1	18.4	36.9
R44	0.3	0.6	18.0	0.1	18.4	36.8
R45	0.2	0.5	18.0	0.4	18.5	36.9
R46	0.3	0.6	18.0	0.1	18.4	36.8
R47	0.3	0.5	18.0	0.1	18.3	36.7
R48	0.3	0.6	18.0	0.1	18.4	36.8

Table A8-3.81: Predicted Annual Mean PM2.5 Process Contribution and Cumulative Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. ($\mu\text{g}/\text{m}^3$)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. ($\mu\text{g}/\text{m}^3$)	Cumulative Cont. ($\mu\text{g}/\text{m}^3$)	Predicted Cumulative Env. Conc. ($\mu\text{g}/\text{m}^3$)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
R1	<0.1	<0.1	4.0	<0.1	4.0	16.1
R2	<0.1	0.1	4.0	<0.1	4.0	16.2
R3	0.1	0.2	4.0	<0.1	4.1	16.3
R4	<0.1	0.1	4.0	<0.1	4.0	16.2
R5	0.1	0.4	4.0	<0.1	4.1	16.5
R6	<0.1	0.1	4.0	<0.1	4.1	16.2
R7	<0.1	0.1	4.0	<0.1	4.1	16.3
R8	<0.1	0.1	4.0	<0.1	4.1	16.2
R9	0.1	0.2	4.0	<0.1	4.1	16.4
R10	0.1	0.5	4.0	<0.1	4.1	16.6
R11	<0.1	0.1	4.0	<0.1	4.1	16.2
R12	<0.1	0.1	4.0	<0.1	4.1	16.3
R13	0.1	0.3	4.0	<0.1	4.1	16.4
R14	0.1	0.3	4.0	<0.1	4.1	16.4
R15	0.1	0.3	4.0	<0.1	4.1	16.4
R16	0.1	0.3	4.0	<0.1	4.1	16.5
R17	<0.1	0.2	4.0	<0.1	4.1	16.3
R18	0.1	0.3	4.0	<0.1	4.1	16.4
R19	0.1	0.3	4.0	<0.1	4.1	16.5
R20	<0.1	0.2	4.0	<0.1	4.1	16.3
R21	<0.1	0.1	4.0	<0.1	4.1	16.2
R22	0.1	0.3	4.0	<0.1	4.1	16.4
R23	<0.1	0.1	4.0	<0.1	4.1	16.2
R24	<0.1	0.1	4.0	<0.1	4.0	16.2
R25	0.2	0.7	4.0	<0.1	4.2	16.9
R26	0.1	0.3	4.0	<0.1	4.1	16.4
R27	0.2	0.7	4.0	<0.1	4.2	16.8
R28	0.1	0.2	4.0	<0.1	4.1	16.3
R29	0.1	0.3	4.0	<0.1	4.1	16.4
R30	<0.1	0.1	4.0	<0.1	4.0	16.2
R31	<0.1	0.1	4.0	<0.1	4.0	16.2
R32	<0.1	0.1	4.0	<0.1	4.1	16.2
R33	0.1	0.3	4.0	<0.1	4.1	16.3
R34	0.1	0.2	4.0	<0.1	4.1	16.3
R35	<0.1	0.2	4.0	<0.1	4.1	16.2
R36	0.1	0.3	4.0	<0.1	4.1	16.3
R37	<0.1	0.1	4.0	<0.1	4.1	16.3
R38	<0.1	0.2	4.0	<0.1	4.1	16.3
R39	0.1	0.3	4.0	<0.1	4.1	16.4
R40	0.1	0.3	4.0	<0.1	4.1	16.4
R41	0.1	0.4	4.0	<0.1	4.1	16.6
R42	<0.1	0.2	4.0	<0.1	4.1	16.3
R43	<0.1	0.2	4.0	<0.1	4.1	16.3

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Cumulative Cont. (µg/m ³)	Predicted Cumulative Env. Conc. (µg/m ³)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
R44	0.2	0.7	4.0	<0.1	4.2	16.8
R45	<0.1	0.1	4.0	0.1	4.1	16.6
R46	0.1	0.3	4.0	<0.1	4.1	16.4
R47	<0.1	0.1	4.0	<0.1	4.1	16.3
R48	1.9	7.7	4.0	<0.1	6.0	23.9

Table A8-3.82: Predicted Daily Mean SO₂ Process Contribution and Cumulative Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Cumulative Cont. (µg/m ³)	Predicted Cumulative Env. Conc. (µg/m ³)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
R1	0.1	0.1	2.6	2.3	5.0	4.0
R2	0.1	0.1	2.6	2.3	4.9	3.9
R3	0.1	0.1	2.6	2.4	5.1	4.1
R4	0.1	0.1	2.6	2.6	5.2	4.2
R5	0.1	0.1	2.6	2.5	5.2	4.1
R6	0.2	0.2	2.6	2.7	5.4	4.3
R7	0.1	0.1	2.6	3.0	5.7	4.6
R8	0.2	0.2	2.6	2.6	5.3	4.2
R9	0.2	0.1	2.6	2.9	5.6	4.5
R10	0.2	0.2	2.6	3.1	5.9	4.7
R11	0.2	0.1	2.6	3.0	5.6	4.5
R12	0.1	0.1	2.6	3.5	6.1	4.9
R13	0.2	0.2	2.6	3.4	6.2	5.0
R14	0.3	0.2	2.6	3.4	6.2	5.0
R15	0.3	0.2	2.6	3.3	6.1	4.9
R16	0.3	0.2	2.6	3.3	6.2	4.9
R17	0.3	0.2	2.6	3.3	6.0	4.8
R18	0.3	0.3	2.6	3.3	6.1	4.9
R19	0.5	0.4	2.6	3.6	6.4	5.1
R20	0.3	0.2	2.6	3.5	6.2	4.9
R21	0.1	0.1	2.6	3.4	6.1	4.9
R22	0.2	0.2	2.6	3.5	6.2	5.0
R23	0.1	0.1	2.6	3.4	6.0	4.8
R24	0.1	0.1	2.6	3.2	5.8	4.7
R25	0.2	0.1	2.6	3.2	5.8	4.7
R26	0.4	0.3	2.6	3.4	6.1	4.9
R27	0.2	0.1	2.6	2.4	5.0	4.0
R28	0.3	0.2	2.6	2.4	5.1	4.1
R29	0.3	0.3	2.6	2.4	5.1	4.1
R30	0.1	0.1	2.6	2.1	4.7	3.8
R31	0.1	0.1	2.6	2.0	4.7	3.7

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Cumulative Cont. (µg/m ³)	Predicted Cumulative Env. Conc. (µg/m ³)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
R32	0.2	0.1	2.6	1.7	4.4	3.5
R33	0.3	0.2	2.6	1.7	4.5	3.6
R34	0.3	0.2	2.6	2.0	4.8	3.8
R35	0.2	0.2	2.6	2.2	4.9	3.9
R36	0.2	0.2	2.6	2.7	5.5	4.4
R37	0.1	0.1	2.6	1.9	4.5	3.6
R38	0.2	0.2	2.6	3.0	5.8	4.6
R39	0.2	0.2	2.6	3.3	6.0	4.8
R40	0.2	0.1	2.6	3.5	6.2	4.9
R41	0.1	0.1	2.6	3.3	5.9	4.7
R42	0.2	0.1	2.6	2.3	4.9	3.9
R43	0.1	0.1	2.6	3.5	6.1	4.9
R44	0.1	0.1	2.6	3.2	5.8	4.6
R45	0.1	0.1	2.6	3.8	6.4	5.1
R46	0.1	0.1	2.6	3.1	5.7	4.5
R47	0.1	0.1	2.6	2.8	5.4	4.3
R48	0.1	0.1	2.6	3.1	5.7	4.5

Table A8-3.83: Predicted Hourly Mean SO₂ Process Contribution and Cumulative Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Cumulative Cont. (µg/m ³)	Predicted Cumulative Env. Conc. (µg/m ³)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
R1	0.4	0.1	2.6	9.1	11.8	3.4
R2	0.4	0.1	2.6	9.4	12.1	3.5
R3	0.4	0.1	2.6	10.4	13.0	3.7
R4	0.5	0.1	2.6	10.8	13.4	3.8
R5	0.5	0.1	2.6	10.6	13.2	3.8
R6	0.7	0.2	2.6	11.0	13.6	3.9
R7	0.5	0.1	2.6	12.7	15.3	4.4
R8	0.7	0.2	2.6	11.5	14.1	4.0
R9	0.6	0.2	2.6	11.8	14.6	4.2
R10	0.6	0.2	2.6	12.0	14.6	4.2
R11	0.6	0.2	2.6	12.9	15.6	4.4
R12	0.4	0.1	2.6	11.4	14.0	4.0
R13	0.8	0.2	2.6	13.4	16.1	4.6
R14	0.8	0.2	2.6	13.9	16.7	4.8
R15	0.9	0.3	2.6	14.1	16.9	4.8
R16	0.9	0.3	2.6	14.3	17.1	4.9
R17	1.0	0.3	2.6	15.0	17.8	5.1
R18	1.2	0.3	2.6	14.8	17.7	5.0
R19	1.5	0.4	2.6	15.8	18.8	5.4

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Cumulative Cont. (µg/m ³)	Predicted Cumulative Env. Conc. (µg/m ³)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
R20	1.0	0.3	2.6	15.3	18.1	5.2
R21	0.5	0.1	2.6	15.1	17.8	5.1
R22	0.7	0.2	2.6	15.6	18.5	5.3
R23	0.5	0.1	2.6	15.3	18.0	5.1
R24	0.4	0.1	2.6	14.7	17.4	5.0
R25	0.6	0.2	2.6	14.8	17.5	5.0
R26	1.1	0.3	2.6	15.3	18.0	5.1
R27	0.7	0.2	2.6	12.4	15.0	4.3
R28	1.0	0.3	2.6	12.0	14.7	4.2
R29	1.0	0.3	2.6	12.2	14.8	4.2
R30	0.7	0.2	2.6	11.3	13.9	4.0
R31	0.6	0.2	2.6	10.7	13.4	3.8
R32	0.7	0.2	2.6	9.3	11.9	3.4
R33	0.9	0.3	2.6	7.5	10.1	2.9
R34	0.9	0.2	2.6	8.6	11.2	3.2
R35	0.7	0.2	2.6	8.9	11.5	3.3
R36	0.7	0.2	2.6	10.2	12.9	3.7
R37	0.7	0.2	2.6	7.1	9.7	2.8
R38	0.7	0.2	2.6	11.9	14.5	4.1
R39	0.7	0.2	2.6	13.1	15.7	4.5
R40	0.7	0.2	2.6	13.6	16.2	4.6
R41	0.6	0.2	2.6	12.7	15.3	4.4
R42	0.6	0.2	2.6	12.1	14.7	4.2
R43	0.5	0.2	2.6	11.8	14.4	4.1
R44	0.6	0.2	2.6	11.8	14.4	4.1
R45	0.6	0.2	2.6	14.6	17.2	4.9
R46	0.6	0.2	2.6	10.8	13.4	3.8
R47	0.4	0.1	2.6	12.1	14.7	4.2
R48	0.6	0.2	2.6	10.8	13.4	3.8

Table A8-3.84: Predicted 15-minute Mean SO2 Process Contribution and Cumulative Predicted Environmental Concentration at Human Health Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Cumulative Cont. (µg/m ³)	Predicted Cumulative Env. Conc. (µg/m ³)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
R1	0.8	0.3	2.6	12.3	14.9	5.6
R2	0.7	0.2	2.6	16.0	18.7	7.0
R3	0.9	0.3	2.6	15.7	18.3	6.9
R4	0.9	0.3	2.6	15.2	17.9	6.7
R5	0.9	0.3	2.6	16.2	18.8	7.1
R6	1.3	0.5	2.6	15.9	18.5	7.0
R7	0.8	0.3	2.6	18.5	21.1	7.9

Receptor	Process Cont. ($\mu\text{g}/\text{m}^3$)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. ($\mu\text{g}/\text{m}^3$)	Cumulative Cont. ($\mu\text{g}/\text{m}^3$)	Predicted Cumulative Env. Conc. ($\mu\text{g}/\text{m}^3$)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
R8	1.2	0.5	2.6	16.2	18.8	7.1
R9	1.1	0.4	2.6	16.2	18.9	7.1
R10	1.2	0.4	2.6	17.3	20.1	7.5
R11	1.3	0.5	2.6	20.2	22.9	8.6
R12	0.8	0.3	2.6	15.9	18.5	6.9
R13	1.4	0.5	2.6	18.8	21.5	8.1
R14	1.6	0.6	2.6	18.9	21.7	8.2
R15	1.7	0.6	2.6	19.8	22.6	8.5
R16	1.8	0.7	2.6	19.7	22.4	8.4
R17	2.1	0.8	2.6	21.1	23.9	9.0
R18	2.3	0.9	2.6	20.8	23.7	8.9
R19	2.5	0.9	2.6	20.8	23.8	9.0
R20	2.0	0.8	2.6	21.5	24.3	9.1
R21	0.9	0.3	2.6	22.5	25.2	9.5
R22	1.2	0.5	2.6	21.2	24.0	9.0
R23	0.6	0.2	2.6	20.6	23.4	8.8
R24	0.6	0.2	2.6	20.6	23.3	8.7
R25	1.0	0.4	2.6	19.3	22.0	8.3
R26	1.6	0.6	2.6	20.7	23.4	8.8
R27	1.1	0.4	2.6	17.0	19.8	7.4
R28	1.6	0.6	2.6	17.1	19.7	7.4
R29	1.8	0.7	2.6	17.4	20.0	7.5
R30	1.0	0.4	2.6	15.4	18.1	6.8
R31	0.9	0.3	2.6	14.4	17.2	6.5
R32	1.2	0.5	2.6	13.1	15.7	5.9
R33	1.5	0.6	2.6	11.0	13.6	5.1
R34	1.5	0.6	2.6	13.4	16.0	6.0
R35	1.4	0.5	2.6	13.7	16.3	6.1
R36	1.3	0.5	2.6	16.3	19.0	7.1
R37	1.5	0.6	2.6	12.3	14.9	5.6
R38	1.4	0.5	2.6	16.9	19.5	7.3
R39	1.3	0.5	2.6	17.9	20.5	7.7
R40	1.2	0.5	2.6	17.7	20.3	7.6
R41	1.2	0.4	2.6	17.0	19.6	7.4
R42	1.0	0.4	2.6	16.6	19.2	7.2
R43	1.0	0.4	2.6	16.6	19.2	7.2
R44	1.2	0.5	2.6	15.8	18.4	6.9
R45	1.5	0.6	2.6	18.7	21.3	8.0
R46	1.2	0.4	2.6	15.2	17.8	6.7
R47	0.8	0.3	2.6	16.5	19.1	7.2
R48	1.2	0.4	2.6	15.2	17.8	6.7

Table A8-3.85: Predicted Annual Mean NOX Process Contribution and Cumulative Predicted Environmental Concentration at Nature Conservation Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Cumulative Cont. (µg/m³)	Predicted Cumulative Env. Conc. (µg/m³)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
E1	0.6	2.0	6.2	0.1	6.9	23.1
E2	0.5	1.7	6.2	0.1	6.8	22.7
E3	0.5	1.7	6.2	0.1	6.8	22.6
E4	0.6	2.0	6.2	0.1	6.9	22.9
E5	0.4	1.4	6.2	0.3	6.9	23.1
E6	0.9	3.0	6.2	0.4	7.6	25.2
E7	1.1	3.5	6.2	0.2	8.6	28.8
E8	1.0	3.2	6.2	0.2	7.6	25.3
E9	1.1	3.8	6.2	0.1	10.3	34.4
E10	0.7	2.3	6.2	0.2	7.1	23.7
E11	0.2	0.8	6.2	<0.1	6.5	21.6
E12	0.9	2.9	6.2	0.2	7.3	24.2
E13	1.0	3.2	6.2	0.5	7.7	25.6
E14	0.8	2.7	6.2	0.1	7.1	23.7
E15	0.6	2.2	6.2	0.1	7.0	23.2
E16	0.6	1.9	6.2	0.1	6.9	22.9
E17	0.7	2.4	6.2	0.1	7.1	23.7
E18	0.5	1.8	6.2	0.1	6.8	22.7
E19	0.7	2.2	6.2	0.3	7.2	23.9
E20	0.5	1.6	6.2	0.3	7.0	23.4
E21	1.0	3.5	6.2	0.5	7.7	25.7
E22	0.8	2.6	6.2	0.5	7.4	24.8
E23	0.9	3.1	6.2	0.1	7.3	24.2
E24	0.2	0.7	6.2	0.1	6.5	21.8
E25	0.2	0.8	6.2	0.1	6.6	21.9
E26	0.2	0.7	6.2	0.1	6.5	21.7
E27	0.3	0.8	6.2	0.2	6.6	22.0
E28	0.2	0.7	6.2	0.1	6.5	21.8
E29	0.2	0.7	6.2	0.1	6.5	21.8
E30	0.2	0.6	6.2	0.1	6.5	21.7
E31	0.1	0.2	6.2	0.1	6.3	21.1

Table A8-3.86: Predicted Daily Maximum NOX Process Contribution and Cumulative Predicted Environmental Concentration at Nature Conservation Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m³)	Cumulative Cont. (µg/m³)	Predicted Cumulative Env. Conc. (µg/m³)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
E1	13.2	17.6	12.4	3.7	27.6	36.8
E2	16.0	21.4	12.4	3.2	28.6	38.2

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Cumulative Cont. (µg/m ³)	Predicted Cumulative Env. Conc. (µg/m ³)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
E3	14.8	19.8	12.4	3.0	27.8	37.1
E4	16.3	21.7	12.4	2.5	29.2	38.9
E5	4.8	6.4	12.4	5.4	18.9	25.2
E6	10.3	13.7	12.4	6.4	22.7	30.2
E7	8.9	11.9	12.4	4.0	21.3	28.4
E8	8.6	11.5	12.4	3.4	21.4	28.5
E9	11.2	14.9	12.4	3.2	23.6	31.4
E10	6.0	8.0	12.4	4.9	19.3	25.8
E11	6.7	8.9	12.4	2.6	19.7	26.3
E12	9.8	13.1	12.4	4.1	22.2	29.6
E13	9.2	12.3	12.4	7.5	21.6	28.8
E14	24.2	32.3	12.4	4.2	36.9	49.2
E15	20.9	27.8	12.4	3.7	33.4	44.5
E16	17.2	23.0	12.4	3.6	29.8	39.7
E17	15.8	21.1	12.4	3.6	29.9	39.9
E18	15.0	20.0	12.4	2.8	27.7	36.9
E19	8.4	11.2	12.4	5.9	20.8	27.8
E20	6.6	8.8	12.4	5.5	19.4	25.9
E21	9.5	12.6	12.4	6.1	21.9	29.2
E22	9.0	11.9	12.4	6.6	21.4	28.5
E23	9.8	13.1	12.4	3.4	22.2	29.6
E24	4.6	6.1	12.4	2.8	17.7	23.6
E25	4.0	5.3	12.4	3.1	18.6	24.8
E26	3.0	4.0	12.4	3.3	18.0	24.0
E27	3.3	4.4	12.4	2.9	17.2	22.9
E28	4.1	5.5	12.4	2.7	17.1	22.8
E29	3.6	4.9	12.4	2.9	17.2	22.9
E30	4.1	5.5	12.4	2.9	17.8	23.8
E31	1.8	2.4	12.4	1.8	15.2	20.3

Table A8-3.87: Predicted Annual Mean SO₂ Process Contribution and Cumulative Predicted Environmental Concentration at Nature Conservation Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Cumulative Cont. (µg/m ³)	Predicted Cumulative Env. Conc. (µg/m ³)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
E1	<0.1	<0.1	1.3	0.1	1.4	7.1
E2	<0.1	<0.1	1.3	0.1	1.4	7.0
E3	<0.1	<0.1	1.3	0.1	1.4	6.9
E4	<0.1	<0.1	1.3	0.1	1.4	6.9
E5	<0.1	<0.1	1.3	0.3	1.6	8.2
E6	<0.1	<0.1	1.3	0.5	1.8	8.9
E7	<0.1	<0.1	1.3	0.2	1.5	7.4

Receptor	Process Cont. (µg/m ³)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (µg/m ³)	Cumulative Cont. (µg/m ³)	Predicted Cumulative Env. Conc. (µg/m ³)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
E8	<0.1	<0.1	1.3	0.2	1.5	7.5
E9	<0.1	<0.1	1.3	0.2	1.5	7.4
E10	<0.1	<0.1	1.3	0.3	1.6	7.8
E11	<0.1	<0.1	1.3	0.1	1.4	6.8
E12	<0.1	<0.1	1.3	0.2	1.5	7.7
E13	<0.1	<0.1	1.3	0.5	1.8	9.2
E14	<0.1	<0.1	1.3	0.1	1.4	7.1
E15	<0.1	<0.1	1.3	0.1	1.4	7.1
E16	<0.1	<0.1	1.3	0.1	1.4	7.1
E17	<0.1	<0.1	1.3	0.1	1.4	7.1
E18	<0.1	<0.1	1.3	0.1	1.4	7.0
E19	<0.1	<0.1	1.3	0.3	1.6	8.2
E20	<0.1	<0.1	1.3	0.4	1.7	8.4
E21	<0.1	<0.1	1.3	0.5	1.9	9.3
E22	<0.1	<0.1	1.3	0.5	1.8	9.0
E23	<0.1	<0.1	1.3	0.2	1.5	7.4
E24	<0.1	<0.1	1.3	0.1	1.4	7.2
E25	<0.1	<0.1	1.3	0.1	1.4	7.2
E26	<0.1	<0.1	1.3	0.1	1.4	7.2
E27	<0.1	<0.1	1.3	0.2	1.5	7.4
E28	<0.1	<0.1	1.3	0.1	1.4	7.2
E29	<0.1	<0.1	1.3	0.1	1.4	7.2
E30	<0.1	<0.1	1.3	0.1	1.4	7.1
E31	<0.1	<0.1	1.3	0.1	1.4	6.9

Table A8-3.88: Predicted Annual Mean Nitrogen Deposition Process Contribution and Cumulative Predicted Environmental Concentration at Nature Conservation Receptors – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (kg N/ha/yr)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (kg N/ha/yr)	Cumulative Cont. (µg/m ³)	Predicted Cumulative Env. Conc. (kg N/ha/yr)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
E1	0.1	0.4	12.0	<0.1	12.1	60.5
E2	0.1	0.4	12.0	<0.1	12.1	60.4
E3	0.1	0.4	12.0	<0.1	12.1	60.4
E4	0.1	0.4	12.0	<0.1	12.1	60.5
E5	0.1	0.3	12.0	<0.1	12.1	60.5
E6	0.1	0.7	12.0	0.1	12.2	61.0
E7	0.2	0.8	12.0	<0.1	12.3	61.4
E8	0.1	0.7	12.0	<0.1	12.2	60.9
E9	0.2	0.8	12.0	<0.1	12.4	62.0
E10	0.1	0.5	12.0	<0.1	12.1	60.7
E11	<0.1	0.2	12.0	<0.1	12.0	60.2
E12	0.1	0.6	12.0	<0.1	12.2	60.8

Receptor	Process Cont. (kg N/ha/yr)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (kg N/ha/yr)	Cumulative Cont. ($\mu\text{g}/\text{m}^3$)	Predicted Cumulative Env. Conc. (kg N/ha/yr)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
E13	0.1	0.7	12.0	0.1	12.2	61.1
E14	0.1	0.6	12.0	<0.1	12.1	60.7
E15	0.1	0.5	12.0	<0.1	12.1	60.5
E16	0.1	0.4	12.0	<0.1	12.1	60.5
E17	0.1	0.5	12.0	<0.1	12.1	60.6
E18	0.1	0.4	12.0	<0.1	12.1	60.4
E19	0.1	0.5	12.0	<0.1	12.1	60.7
E20	0.1	0.4	12.0	<0.1	12.1	60.6
E21	0.2	0.8	12.0	0.1	12.2	61.1
E22	0.1	0.6	12.0	0.1	12.2	60.9
E23	0.1	0.7	12.0	<0.1	12.2	60.8
E24	<0.1	0.2	12.0	<0.1	12.0	60.2
E25	<0.1	0.2	12.0	<0.1	12.1	60.3
E26	<0.1	0.1	12.0	<0.1	12.0	60.2
E27	<0.1	0.2	12.0	<0.1	12.1	60.3
E28	<0.1	0.2	12.0	<0.1	12.0	60.2
E29	<0.1	0.1	12.0	<0.1	12.0	60.2
E30	<0.1	0.1	12.0	<0.1	12.0	60.2
E31	<0.1	<0.1	12.0	<0.1	12.0	60.1

Table A8-3.89: Predicted Annual Mean Acid Deposition Process Contribution and Cumulative Predicted Environmental Concentration at Nature Conservation Receptors¹ – Normal Operational Scenario (Combined Loop Re-gasification and CCGT)

Receptor	Process Cont. (kg N/ha/yr)	Process Cont. as proportion of AQ Standard (%)	Background (Ambient) Cont. (kg N/ha/yr)	Cumulative Cont. ($\mu\text{g}/\text{m}^3$)	Predicted Cumulative Env. Conc. (kg N/ha/yr)	Predicted Cumulative Env Conc. as a Proportion of AQ Standard (%)
E11	<0.01	<0.1	0.5	0.01	0.51	89.8
E12	0.01	1.8	0.5	0.03	0.53	93.3
E24	<0.01	0.1	0.5	0.02	0.52	60.0
E25	<0.01	0.1	0.5	0.02	0.52	60.0
E26	<0.01	<0.1	0.5	0.02	0.52	60.0
E27	<0.01	0.1	0.5	0.03	0.53	60.0
E28	<0.01	0.1	0.5	0.02	0.52	60.0
E29	<0.01	0.1	0.5	0.02	0.52	60.0
E30	<0.01	0.1	0.5	0.02	0.52	60.0
E31	<0.01	<0.1	0.5	0.01	0.51	74.7

Notes:

¹ Receptor E1 to E10 and E13 to E23 are not considered to be sensitive to acid deposition impacts.

