

Appendix 3M Detailed Air Quality Assessment Results (AQO Pollutants)

Cumulative																	
ASR ID	X-coordinate	Y-coordinate	Ground level (m)	Assessment Height (mAG)	RSP		FSP		NO ₂			SO ₂		CO		Pb	
					10 th Highest Daily Average Conc. (µg/m ³)	Annual Average Conc. (µg/m ³)	15 th Highest Daily Average Conc. (µg/m ³)	Annual Average Conc. (µg/m ³)	19 th Highest Hourly Average Conc. (µg/m ³)	10 th Highest Daily Average Conc. (µg/m ³)	Annual Average Conc. (µg/m ³)	4 th Highest 10-min Average Conc. (µg/m ³)	4 th Highest Daily Average Conc. (µg/m ³)	Highest 8-hour Average Conc. (µg/m ³)	Highest 1-hour Average Conc. (µg/m ³)	Highest Daily Average Conc. (µg/m ³)	Annual Average Conc. (µg/m ³)
Prevailing AQOs (µg/m ³) (Number of exceedances allowed)					100 (9)	50	50 (18)	25	200 (18)	N/A	40	500 (3)	50 (3)	10,000	30,000	N/A	0.5
New AQOs to be effective from Q1 2025 (tentative) (µg/m ³) (Number of exceedances allowed)					75 (9)	30	37.5 (18)	15	200 (18)	120 (9)	40	500 (3)	40 (3)	10,000	30,000	4,000	0.5
TPO1 [2]	810416	831507	5.4	39	40.1 (0)	16.9	24.2 (1)	11.2	123.3 (0)	55.6 (0)	26.0	242.9 (0)	24 (0)	487	540	457	0.03
TPO2 [2]	810396	831477	5.4	42	40.4 (0)	17.0	24.2 (1)	11.4	127.2 (0)	57.2 (0)	26.5	244.5 (0)	24.1 (0)	487	540	457	0.03
WXO1 [2]	810394	831315	7	1.5	41.8 (0)	17.7	24.8 (2)	11.1	129.8 (0)	55.4 (0)	26.8	245.2 (0)	23.3 (0)	490	541	458	0.02
TTC1	809655	831358	11	4	54.1 (0)	21.4	32 (0)	13.7	126.4 (0)	57.2 (0)	28.5	255.6 (0)	23.1 (0)	489	539	463	0.04
BPS1	808832	830161	11	1.5	53.4 (0)	20.6	30.1 (0)	13.0	120.9 (0)	62.3 (0)	31.6	235.3 (0)	23.4 (0)	486	537	458	0.02
BPS1	808832	830161	11	5	53.4 (0)	20.6	30.1 (0)	13.0	120.7 (0)	62 (0)	31.4	235.6 (0)	23.1 (0)	486	537	458	0.02
BPS1	808832	830161	11	10	53.4 (0)	20.6	30.1 (0)	13.0	120.4 (0)	61.5 (0)	31.2	236 (0)	23 (0)	486	537	458	0.02
LKT1	809576	829153	5	1.5	52.9 (0)	20.6	31.2 (0)	13.0	126.2 (0)	55.8 (0)	26.4	239.1 (0)	20.6 (0)	489	555	457	0.02
LKT2	809825	827974	5	1.5	53.6 (0)	21.3	30.9 (0)	13.7	162.6 (1)	69.1 (0)	33.4	353.7 (0)	13.4 (0)	487	542	455	0.02
LKT2	809825	827974	5	5	53.3 (0)	21.0	30.5 (0)	13.5	145.6 (0)	63.1 (0)	30.4	356.2 (0)	13.5 (0)	487	542	455	0.02
LKT2	809825	827974	5	10	53 (0)	20.7	30 (0)	13.2	133.8 (0)	52.6 (0)	25.9	360 (0)	13.6 (0)	487	542	455	0.02
SPN1	812903	833356	10	1.5	52.9 (0)	20.3	31.4 (0)	12.6	134 (0)	47.7 (0)	18.1	167.2 (0)	22.6 (0)	486	539	456	0.02
HPN1	812775	833004	18	1.5	53 (0)	20.3	31.4 (0)	12.6	132.8 (1)	48.2 (0)	18.1	168.6 (0)	22.3 (0)	487	539	456	0.02
HPN2	812822	832806	24	1.5	53 (0)	20.3	31.4 (0)	12.6	135.7 (1)	48.5 (0)	18.1	168.9 (0)	23.3 (0)	487	539	456	0.02
HPN3	812594	832616	16	1.5	53.1 (0)	20.3	31.4 (0)	12.7	137.4 (1)	48.8 (0)	18.4	175.2 (0)	22.9 (0)	487	539	456	0.02
NWR1	812074	831859	5	1.5	54.9 (0)	21.1	33.4 (0)	13.3	130 (0)	45.9 (0)	18.2	256.6 (0)	29.7 (0)	484	535	454	0.02
HPN4	812322	832054	7	1.5	54.9 (0)	21.0	33.3 (0)	13.3	131.3 (0)	46.6 (0)	17.9	241.7 (0)	31.8 (0)	483	535	454	0.02
HPN5	811727	831940	4	1.5	53.3 (0)	20.9	31.8 (0)	13.2	124.9 (1)	52.6 (0)	20.3	281.6 (0)	28.2 (0)	492	541	458	0.02
HPN6	811821	831843	5	1.5	53.2 (0)	20.9	31.7 (0)	13.1	125.2 (1)	52.5 (0)	20.2	298.9 (0)	29.6 (0)	492	541	458	0.02
HPN7	811839	831405	4	1.5	54.2 (0)	20.9	32.4 (0)	13.2	119.7 (0)	51.9 (0)	19.1	311.1 (0)	35.5 (0)	486	537	455	0.02
NWR2	813611	833971	4	1.5	53.3 (0)	20.3	31.5 (0)	12.6	125.6 (0)	44.5 (0)	17.8	278.8 (0)	20.1 (0)	488	541	461	0.02
NWR3	813654	834063	4	1.5	53.3 (0)	20.3	31.5 (0)	12.6	125.6 (0)	44.4 (0)	17.8	277 (0)	20 (0)	488	541	461	0.02
NWR4	813821	834228	5	1.5	53.2 (0)	20.3	31.5 (0)	12.6	125.7 (0)	44 (0)	17.8	267.9 (0)	19.8 (0)	488	541	461	0.02

Note:

[1] Values in () indicate number of exceedance

[2] Central air conditioning is provided and fresh air intakes is installed with >30% dust removal filter.

Appendix 3M Detailed Air Quality Assessment Results (AQO Pollutants)

RSP

ASR ID	X-coordinate	Y-coordinate	Ground level (m)	Assessment Height (mAG)	Annual Average (ug/m ³) [1]				10 th Highest Daily Average (ug/m ³) [1]			
					TIER1	TIER2	TIER3	Cumulative	TIER1	TIER2	TIER3	Cumulative
Prevailing AQOs (ug/m ³)					50				100 (9)			
New AQOs to be effective from Q1 2025 (tentative) (ug/m ³)					30				75 (9)			
TPO1 [3]	810416	831507	5.4	39	0.4	2.5	13.9	16.9	1.1	2.7	36.3	40.1 (0)
TPO2 [3]	810396	831477	5.4	42	0.4	2.6	13.9	17.0	0.2	3.2	37.0	40.4 (0)
WXO1 [3]	810394	831315	7	1.5	0.4	3.0	14.2	17.7	0.4	3.4	38.0	41.8 (0)
TTC1	809655	831358	11	4	0.7	1.3	19.3	21.4	1.4	2.2	50.5	54.1 (0)
BPS1	808832	830161	11	1.5	0.2	1.3	19.1	20.6	0.5	2.4	50.5	53.4 (0)
BPS1	808832	830161	11	5	0.2	1.3	19.1	20.6	0.5	2.4	50.5	53.4 (0)
BPS1	808832	830161	11	10	0.2	1.3	19.1	20.6	0.5	2.4	50.5	53.4 (0)
LKT1	809576	829153	5	1.5	0.1	1.3	19.2	20.6	0.1	1.9	50.9	52.9 (0)
LKT2	809825	827974	5	1.5	0.0	2.1	19.1	21.3	0.1	2.8	50.7	53.6 (0)
LKT2	809825	827974	5	5	0.0	1.8	19.1	21.0	0.1	2.6	50.7	53.3 (0)
LKT2	809825	827974	5	10	0.0	1.5	19.1	20.7	0.1	2.3	50.7	53 (0)
SPN1	812903	833356	10	1.5	0.1	0.5	19.6	20.3	0.1	0.6	52.2	52.9 (0)
HPN1	812775	833004	18	1.5	0.1	0.6	19.6	20.3	0.1	0.7	52.2	53 (0)
HPN2	812822	832806	24	1.5	0.1	0.6	19.6	20.3	0.1	0.7	52.2	53 (0)
HPN3	812594	832616	16	1.5	0.1	0.6	19.6	20.3	0.1	0.7	52.2	53.1 (0)
NWR1	812074	831859	5	1.5	0.1	0.8	20.2	21.1	0.1	1.2	53.6	54.9 (0)
HPN4	812322	832054	7	1.5	0.1	0.7	20.2	21.0	0.0	1.2	53.6	54.9 (0)
HPN5	811727	831940	4	1.5	0.1	1.1	19.8	20.9	0.0	1.0	52.4	53.3 (0)
HPN6	811821	831843	5	1.5	0.1	1.0	19.8	20.9	0.0	0.9	52.4	53.2 (0)
HPN7	811839	831405	4	1.5	0.1	0.9	19.9	20.9	0.2	1.0	53.1	54.2 (0)
NWR2	813611	833971	4	1.5	0.0	0.4	19.8	20.3	0.0	0.3	52.9	53.3 (0)
NWR3	813654	834063	4	1.5	0.0	0.4	19.8	20.3	0.0	0.3	52.9	53.3 (0)
NWR4	813821	834228	5	1.5	0.0	0.4	19.8	20.3	0.0	0.3	52.9	53.2 (0)

Note:

[1] Tier 1, 2, and 3 are defined in EPD Modelling Guidelines on Assessing the 'TOTAL' Air Quality Impacts.

[2] Values in () indicate number of exceedance

[3] Central air conditioning is provided and fresh air intakes is installed with >30% dust removal filter.

Appendix 3M Detailed Air Quality Assessment Results (AQO Pollutants)

FSP

ASR ID	X-coordinate	Y-coordinate	Ground level (m)	Assessment Height (mAG)	Annual Average (ug/m ³) [1]				19 th Highest Daily Average (ug/m ³) [1]			
					TIER1	TIER2	TIER3	Cumulative	TIER1	TIER2	TIER3	Cumulative
Prevailing AQOs (ug/m ³)					25				50 (18)			
New AQOs to be effective from Q1 2025 (tentative) (ug/m ³)					15				37.5 (18)			
TPO1 [3]	810416	831507	5.4	39	0.4	2.2	8.6	11.2	0.6	4.3	19.4	24.2 (1)
TPO2 [3]	810396	831477	5.4	42	0.4	2.3	8.6	11.4	0.9	2.1	21.2	24.2 (1)
WXO1 [3]	810394	831315	7	1.5	0.4	1.8	8.9	11.1	0.2	2.1	22.5	24.8 (2)
TTC1	809655	831358	11	4	0.7	1.1	11.8	13.7	0.2	0.7	31.1	32 (0)
BPS1	808832	830161	11	1.5	0.2	1.2	11.6	13.0	0.1	1.0	29.0	30.1 (0)
BPS1	808832	830161	11	5	0.2	1.2	11.6	13.0	0.1	1.0	29.0	30.1 (0)
BPS1	808832	830161	11	10	0.2	1.2	11.6	13.0	0.1	0.9	29.0	30.1 (0)
LKT1	809576	829153	5	1.5	0.1	1.2	11.7	13.0	0.2	1.7	29.2	31.2 (0)
LKT2	809825	827974	5	1.5	0.0	2.0	11.7	13.7	0.1	2.0	28.8	30.9 (0)
LKT2	809825	827974	5	5	0.0	1.8	11.7	13.5	0.1	1.6	28.8	30.5 (0)
LKT2	809825	827974	5	10	0.0	1.5	11.7	13.2	0.0	3.8	26.2	30 (0)
SPN1	812903	833356	10	1.5	0.1	0.5	12.0	12.6	0.0	0.5	30.8	31.4 (0)
HPN1	812775	833004	18	1.5	0.1	0.5	12.0	12.6	0.1	0.5	30.8	31.4 (0)
HPN2	812822	832806	24	1.5	0.1	0.5	12.0	12.6	0.1	0.5	30.8	31.4 (0)
HPN3	812594	832616	16	1.5	0.1	0.6	12.0	12.7	0.0	0.1	31.4	31.4 (0)
NWR1	812074	831859	5	1.5	0.1	0.7	12.6	13.3	0.1	0.9	32.4	33.4 (0)
HPN4	812322	832054	7	1.5	0.1	0.6	12.6	13.3	0.1	0.9	32.4	33.3 (0)
HPN5	811727	831940	4	1.5	0.1	0.9	12.2	13.2	0.0	0.9	30.9	31.8 (0)
HPN6	811821	831843	5	1.5	0.1	0.9	12.2	13.1	0.0	0.8	30.9	31.7 (0)
HPN7	811839	831405	4	1.5	0.1	0.8	12.3	13.2	0.0	0.2	32.2	32.4 (0)
NWR2	813611	833971	4	1.5	0.0	0.4	12.2	12.6	0.0	0.1	31.4	31.5 (0)
NWR3	813654	834063	4	1.5	0.0	0.4	12.2	12.6	0.0	0.1	31.4	31.5 (0)
NWR4	813821	834228	5	1.5	0.0	0.4	12.2	12.6	0.0	0.1	31.4	31.5 (0)

Note:

[1] Tier 1, 2, and 3 are defined in EPD Modelling Guidelines on Assessing the 'TOTAL' Air Quality Impacts.

[2] Values in () indicate number of exceedance

[3] Central air conditioning is provided and fresh air intakes is installed with >30% dust removal filter.

Appendix 3M Detailed Air Quality Assessment Results (AQO Pollutants)

NO₂

ASR ID	X-coordinate	Y-coordinate	Ground level (m)	Assessment Height (mAG)	19 th Highest Hourly Average (ug/m ³) [1]				10 th Highest Daily Average (ug/m ³) [1]				Annual Average (ug/m ³) [1]			
					TIER1 ^[3]	TIER2 ^[3]	TIER3	Cumulative ^[3]	TIER1 ^[3]	TIER2 ^[3]	TIER3	Cumulative ^[3]	TIER1 ^[3]	TIER2 ^[3]	TIER3	Cumulative ^[4]
Prevailing AQOs (ug/m ³)					200 (18)				N/A				40			
New AQOs to be effective from Q1 2025 (tentative) (ug/m ³)					200 (18)				120 (9)				40			
TPO1	810416	831507	5.4	39	0.00	69.19	54.14	123.3 (0)	2.7	33.2	19.7	55.6 (0)	2.6	12.1	15.3	26.0
TPO2	810396	831477	5.4	42	0.00	85.03	42.13	127.2 (0)	3.1	34.3	19.7	57.2 (0)	2.7	12.8	15.3	26.5
WXO1	810394	831315	7	1.5	4.35	120.75	5.40	129.8 (0)	4.1	29.6	21.8	55.4 (0)	1.2	13.9	16.1	26.8
TTC1	809655	831358	11	4	0.63	98.26	28.06	126.4 (0)	0.1	35.4	21.8	57.2 (0)	4.0	11.3	17.3	28.5
BPS1	808832	830161	11	1.5	0.00	35.70	85.20	120.9 (0)	1.5	17.1	43.7	62.3 (0)	1.4	14.2	20.1	31.6
BPS1	808832	830161	11	5	0.00	35.49	85.20	120.7 (0)	2.4	19.2	40.5	62 (0)	1.4	13.9	20.1	31.4
BPS1	808832	830161	11	10	0.00	35.19	85.20	120.4 (0)	0.7	14.8	46.0	61.5 (0)	1.4	13.6	20.1	31.2
LKT1	809576	829153	5	1.5	0.12	7.32	118.86	126.2 (0)	1.2	24.2	30.7	55.8 (0)	0.4	9.8	19.3	26.4
LKT2	809825	827974	5	1.5	2.42	115.33	47.08	162.6 (1)	0.6	41.4	27.4	69.1 (0)	0.3	16.2	21.1	33.4
LKT2	809825	827974	5	5	1.27	138.10	6.20	145.6 (0)	0.7	31.0	31.7	63.1 (0)	0.3	12.3	21.1	30.4
LKT2	809825	827974	5	10	3.49	90.30	43.15	133.8 (0)	0.2	11.7	40.8	52.6 (0)	0.3	6.4	21.1	25.9
SPN1	812903	833356	10	1.5	10.81	104.62	18.57	134 (0)	1.3	29.6	17.7	47.7 (0)	0.3	3.8	15.7	18.1
HPN1	812775	833004	18	1.5	0.06	106.84	25.95	132.8 (1)	1.4	16.1	31.8	48.2 (0)	0.3	3.9	15.7	18.1
HPN2	812822	832806	24	1.5	6.52	81.90	53.19	135.7 (1)	1.4	21.8	26.2	48.5 (0)	0.3	3.9	15.7	18.1
HPN3	812594	832616	16	1.5	6.81	100.18	30.42	137.4 (1)	1.2	16.7	31.8	48.8 (0)	0.4	4.1	15.7	18.4
NWR1	812074	831859	5	1.5	5.65	102.94	21.45	130 (0)	1.5	27.6	17.8	45.9 (0)	0.4	4.9	15.0	18.2
HPN4	812322	832054	7	1.5	9.67	102.29	19.37	131.3 (0)	1.9	29.0	16.9	46.6 (0)	0.3	4.5	15.0	17.9
HPN5	811727	831940	4	1.5	1.94	93.04	31.67	124.9 (1)	1.5	29.7	21.4	52.6 (0)	0.4	6.4	15.8	20.3
HPN6	811821	831843	5	1.5	0.92	100.12	25.02	125.2 (1)	1.3	29.7	21.4	52.5 (0)	0.4	6.3	15.8	20.2
HPN7	811839	831405	4	1.5	7.62	89.15	22.96	119.7 (0)	0.0	43.0	8.9	51.9 (0)	0.3	6.0	15.1	19.1
NWR2	813611	833971	4	1.5	0.27	112.11	13.26	125.6 (0)	0.7	22.6	21.3	44.5 (0)	0.3	3.2	16.0	17.8
NWR3	813654	834063	4	1.5	7.42	83.35	41.53	125.6 (0)	0.7	22.4	21.3	44.4 (0)	0.3	3.2	16.0	17.8
NWR4	813821	834228	5	1.5	6.13	69.92	55.22	125.7 (0)	0.6	22.1	21.3	44 (0)	0.3	3.2	16.0	17.8

Note:
 [1] Tier 1, 2, and 3 are defined in EPD Modelling Guidelines on Assessing the 'TOTAL' Air Quality Impacts.
 [2] Values in () indicate number of exceedance
 [3] Ozone Limiting Method was used to determine NO₂ concentration.
 [4] Jenkin Method was used to determine NO₂ concentration.

Appendix 3M Detailed Air Quality Assessment Results (AQO Pollutants)

SO₂

ASR ID	X-coordinate	Y-coordinate	Ground level (m)	Assessment Height (mAG)	4 th Highest 10-min Average (ug/m ³) [1]				4 th Highest Daily Average (ug/m ³) [1]			
					TIER1	TIER2	TIER3	Cumulative	TIER1	TIER2	TIER3	Cumulative
Prevailing AQOs (ug/m ³)					500 (3)				50 (3)			
New AQOs to be effective from Q1 2025 (tentative) (ug/m ³)					500 (3)				40 (3)			
TPO1	810416	831507	5.4	39	0.06	241.5	1.4	242.9 (0)	1.9	21.1	0.9	24 (0)
TPO2	810396	831477	5.4	42	0.06	243.1	1.4	244.5 (0)	3.1	20.3	0.7	24.1 (0)
WXO1	810394	831315	7	1.5	0.04	243.9	1.3	245.2 (0)	0.2	22.3	0.9	23.3 (0)
TTC1	809655	831358	11	4	0.01	254.6	1.1	255.6 (0)	14.5	7.2	1.4	23.1 (0)
BPS1	808832	830161	11	1.5	0.28	229.2	5.8	235.3 (0)	0.0	22.1	1.3	23.4 (0)
BPS1	808832	830161	11	5	0.27	229.5	5.8	235.6 (0)	0.0	21.8	1.3	23.1 (0)
BPS1	808832	830161	11	10	0.27	229.9	5.8	236 (0)	0.0	21.6	1.3	23 (0)
LKT1	809576	829153	5	1.5	2.88	234.8	1.4	239.1 (0)	2.0	15.3	3.2	20.6 (0)
LKT2	809825	827974	5	1.5	0.29	351.5	1.9	353.7 (0)	0.0	12.0	1.4	13.4 (0)
LKT2	809825	827974	5	5	0.29	354.0	1.9	356.2 (0)	0.0	12.1	1.4	13.5 (0)
LKT2	809825	827974	5	10	0.29	357.8	1.9	360 (0)	0.0	12.2	1.4	13.6 (0)
SPN1	812903	833356	10	1.5	0.02	164.5	2.7	167.2 (0)	0.7	21.3	0.6	22.6 (0)
HPN1	812775	833004	18	1.5	0.02	165.9	2.7	168.6 (0)	0.2	20.4	1.7	22.3 (0)
HPN2	812822	832806	24	1.5	0.02	166.2	2.7	168.9 (0)	0.0	22.7	0.6	23.3 (0)
HPN3	812594	832616	16	1.5	0.03	172.9	2.3	175.2 (0)	0.6	18.2	4.2	22.9 (0)
NWR1	812074	831859	5	1.5	0.11	255.7	0.7	256.6 (0)	0.0	29.1	0.6	29.7 (0)
HPN4	812322	832054	7	1.5	0.11	240.9	0.7	241.7 (0)	0.0	31.2	0.6	31.8 (0)
HPN5	811727	831940	4	1.5	0.16	275.0	6.5	281.6 (0)	0.1	26.5	1.6	28.2 (0)
HPN6	811821	831843	5	1.5	0.14	292.3	6.5	298.9 (0)	0.0	29.0	0.6	29.6 (0)
HPN7	811839	831405	4	1.5	0.05	302.6	8.5	311.1 (0)	0.0	34.8	0.7	35.5 (0)
NWR2	813611	833971	4	1.5	0.22	275.1	3.5	278.8 (0)	0.3	18.9	0.9	20.1 (0)
NWR3	813654	834063	4	1.5	0.24	273.3	3.5	277 (0)	0.6	14.4	5.0	20 (0)
NWR4	813821	834228	5	1.5	0.25	264.1	3.5	267.9 (0)	0.5	14.3	5.0	19.8 (0)

Note:

[1] Tier 1, 2, and 3 are defined in EPD Modelling Guidelines on Assessing the 'TOTAL' Air Quality Impacts.

[2] Values in () indicate number of exceedance

Appendix 3M Detailed Air Quality Assessment Results (AQO Pollutants)

CO

ASR ID	X-coordinate	Y-coordinate	Ground level (m)	Assessment Height (mAG)	Highest 1-hour Average (ug/m ³) [1]				Highest 8-hour Average (ug/m ³) [1]				Highest Daily Average (ug/m ³) [1]			
					TIER1	TIER2	TIER3	Cumulative	TIER1	TIER2	TIER3	Cumulative	TIER1	TIER2	TIER3	Cumulative
Prevailing AQOs (ug/m ³)					30,000				10,000				N/A			
New AQOs to be effective from Q1 2025 (tentative) (ug/m ³)					30,000				10,000				4,000			
TPO1	810416	831507	5.4	39	0.0	0.0	540	540	0.2	0.1	487	487	0.0	0.0	457	457
TPO2	810396	831477	5.4	42	0.0	0.0	540	540	0.3	0.1	487	487	0.0	0.0	457	457
WXO1	810394	831315	7	1.5	0.0	0.0	541	541	0.7	1.0	489	490	0.2	0.7	457	458
TTC1	809655	831358	11	4	0.0	0.0	539	539	0.0	0.5	488	489	3.3	0.7	459	463
BPS1	808832	830161	11	1.5	0.0	0.0	537	537	3.0	5.6	477	486	1.4	1.4	455	458
BPS1	808832	830161	11	5	0.0	0.0	537	537	3.0	5.5	477	486	1.4	1.4	455	458
BPS1	808832	830161	11	10	0.0	0.0	537	537	3.0	5.5	477	486	1.4	1.3	455	458
LKT1	809576	829153	5	1.5	10.6	9.7	535	555	4.4	3.6	482	489	1.0	2.2	454	457
LKT2	809825	827974	5	1.5	2.5	4.4	535	542	1.6	1.2	484	487	0.3	0.6	455	455
LKT2	809825	827974	5	5	2.5	4.4	535	542	1.6	1.2	484	487	0.3	0.6	455	455
LKT2	809825	827974	5	10	2.4	4.5	535	542	1.6	1.2	484	487	0.3	0.5	455	455
SPN1	812903	833356	10	1.5	0.0	0.0	539	539	0.2	0.3	486	486	0.0	0.0	456	456
HPN1	812775	833004	18	1.5	0.0	0.0	539	539	0.4	0.6	486	487	0.0	0.0	456	456
HPN2	812822	832806	24	1.5	0.0	0.0	539	539	0.5	0.8	486	487	0.0	0.1	456	456
HPN3	812594	832616	16	1.5	0.0	0.0	539	539	0.5	1.0	486	487	0.0	0.1	456	456
NWR1	812074	831859	5	1.5	0.0	0.0	535	535	0.6	1.7	481	484	0.1	0.2	454	454
HPN4	812322	832054	7	1.5	0.0	0.0	535	535	0.5	1.2	481	483	0.0	0.1	454	454
HPN5	811727	831940	4	1.5	0.0	0.0	541	541	0.7	2.3	489	492	0.3	0.9	457	458
HPN6	811821	831843	5	1.5	0.0	0.0	541	541	0.8	2.5	489	492	0.3	0.9	457	458
HPN7	811839	831405	4	1.5	0.0	0.0	537	537	0.7	2.4	483	486	0.1	0.3	454	455
NWR2	813611	833971	4	1.5	0.0	0.0	541	541	0.0	0.0	488	488	0.0	0.0	461	461
NWR3	813654	834063	4	1.5	0.0	0.0	541	541	0.0	0.0	488	488	0.0	0.0	461	461
NWR4	813821	834228	5	1.5	0.0	0.0	541	541	0.0	0.0	488	488	0.0	0.0	461	461

Note:

[1] Tier 1, 2, and 3 are defined in EPD Modelling Guidelines on Assessing the 'TOTAL' Air Quality Impacts.

Appendix 3M Detailed Air Quality Assessment Results (AQO Pollutants)

Pb

ASR ID	X-coordinate	Y-coordinate	Ground level (m)	Assessment Height (mAG)	Annual Average (ug/m ³) [1]			
					TIER1	TIER2	TIER3	Cumulative
Prevailing AQOs (ug/m ³)					0.5			
New AQOs to be effective from Q1 2025 (tentative) (ug/m ³)					0.5			
TPO1	810416	831507	5.4	39	0.013	0.001	0.015	0.03
TPO2	810396	831477	5.4	42	0.013	0.001	0.015	0.03
WXO1	810394	831315	7	1.5	0.006	0.001	0.015	0.02
TTC1	809655	831358	11	4	0.020	0.001	0.015	0.04
BPS1	808832	830161	11	1.5	0.007	0.002	0.015	0.02
BPS1	808832	830161	11	5	0.007	0.002	0.015	0.02
BPS1	808832	830161	11	10	0.007	0.002	0.015	0.02
LKT1	809576	829153	5	1.5	0.002	0.002	0.015	0.02
LKT2	809825	827974	5	1.5	0.001	0.002	0.015	0.02
LKT2	809825	827974	5	5	0.001	0.002	0.015	0.02
LKT2	809825	827974	5	10	0.001	0.001	0.015	0.02
SPN1	812903	833356	10	1.5	0.002	0.001	0.015	0.02
HPN1	812775	833004	18	1.5	0.002	0.001	0.015	0.02
HPN2	812822	832806	24	1.5	0.002	0.001	0.015	0.02
HPN3	812594	832616	16	1.5	0.002	0.001	0.015	0.02
NWR1	812074	831859	5	1.5	0.002	0.001	0.015	0.02
HPN4	812322	832054	7	1.5	0.002	0.001	0.015	0.02
HPN5	811727	831940	4	1.5	0.002	0.001	0.015	0.02
HPN6	811821	831843	5	1.5	0.002	0.001	0.015	0.02
HPN7	811839	831405	4	1.5	0.002	0.001	0.015	0.02
NWR2	813611	833971	4	1.5	0.001	0.001	0.015	0.02
NWR3	813654	834063	4	1.5	0.001	0.001	0.015	0.02
NWR4	813821	834228	5	1.5	0.001	0.001	0.015	0.02

Note:

[1] Tier 1, 2, and 3 are defined in EPD Modelling Guidelines on Assessing the 'TOTAL' Air Quality Impacts.

Appendix 3M Detailed Air Quality Assessment Results (AQO Pollutants)

Odour

ASR ID	X-coordinate	Y-coordinate	Ground level (m)	Assessment Height (mAG)	5 second Average (OU/m ³) [1]			
					TIER1	TIER2	TIER3	Cumulative
Criterion (OU/m ³)					5.0			
TPO1 [2]	810416	831507	5.4	39.0	0.0	0.8	-	0.8
TPO2 [2]	810396	831477	5.4	42.0	0.0	0.6	-	0.6
WXO1	810394	831315	7.0	1.5	1.4	0.0	-	1.4
TTC1	809655	831358	11.0	4.0	1.8	0.0	-	1.8
BPS1	808832	830161	11.0	1.5	0.5	0.1	-	0.6
BPS1	808832	830161	11.0	5.0	0.5	0.1	-	0.6
BPS1	808832	830161	11.0	10.0	0.5	0.1	-	0.6
LKT1	809576	829153	5.0	1.5	0.4	0.1	-	0.5
LKT2	809825	827974	5	1.5	0.3	0.1	-	0.4
LKT2	809825	827974	5	5	0.3	0.1	-	0.4
LKT2	809825	827974	5	10	0.3	0.1	-	0.4
SPN1	812903	833356	10	1.5	0.3	0.2	-	0.5
HPN1	812775	833004	18	1.5	0.3	0.3	-	0.6
HPN2	812822	832806	24	1.5	0.3	0.3	-	0.6
HPN3	812594	832616	16	1.5	0.3	0.3	-	0.6
NWR1	812074	831859	5	1.5	0.4	0.4	-	0.8
HPN4	812322	832054	7	1.5	0.4	0.3	-	0.7
HPN5	811727	831940	4	1.5	0.3	0.5	-	0.8
HPN6	811821	831843	5	1.5	0.2	0.5	-	0.8
HPN7	811839	831405	4	1.5	0.3	0.4	-	0.7
NWR2	813611	833971	4	1.5	0.2	0.1	-	0.4
NWR3	813654	834063	4	1.5	0.2	0.1	-	0.4
NWR4	813821	834228	5	1.5	0.2	0.1	-	0.3

Note:

[1] Tier 1, 2, and 3 are defined in EPD Modelling Guidelines on Assessing the 'TOTAL' Air Quality Impacts.

[2] Central air conditioning is provided and fresh air intakes is installed with >90% odour removal filter.