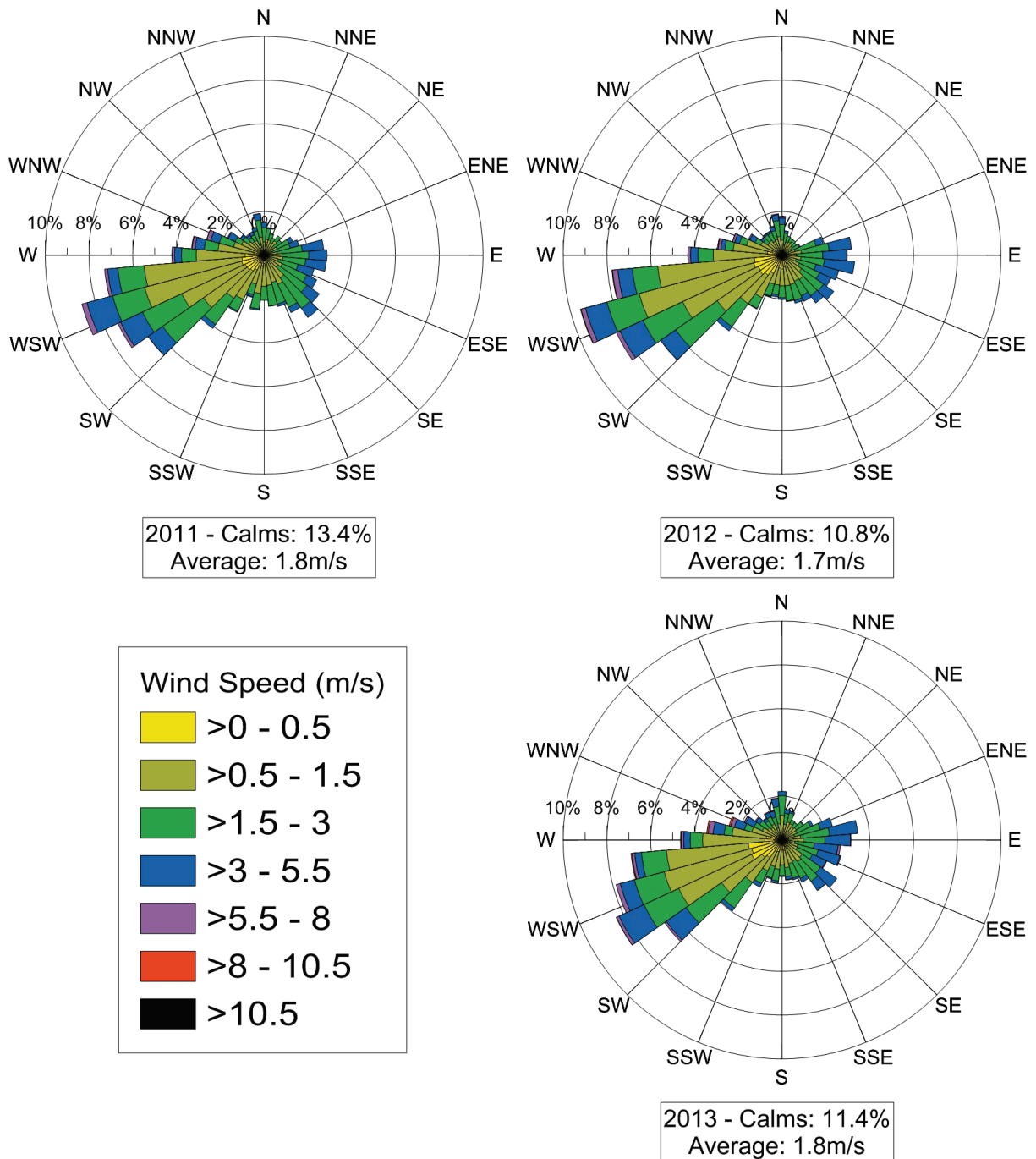


Appendix A

Annual, Seasonal and Diurnal Wind Roses

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**Figure A1 – Interannual Comparison – OEHLiverpool Station – 2011-2013**

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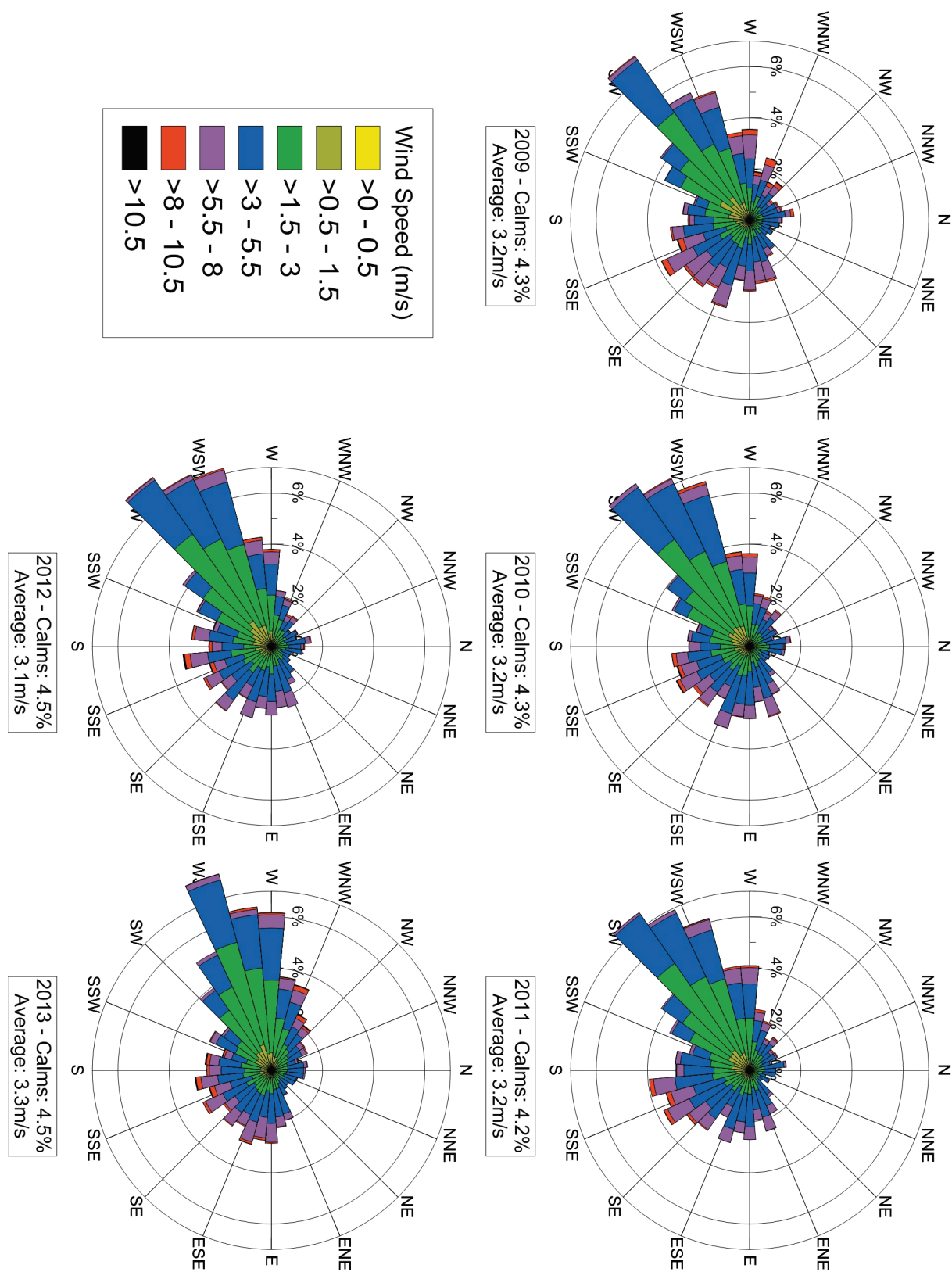
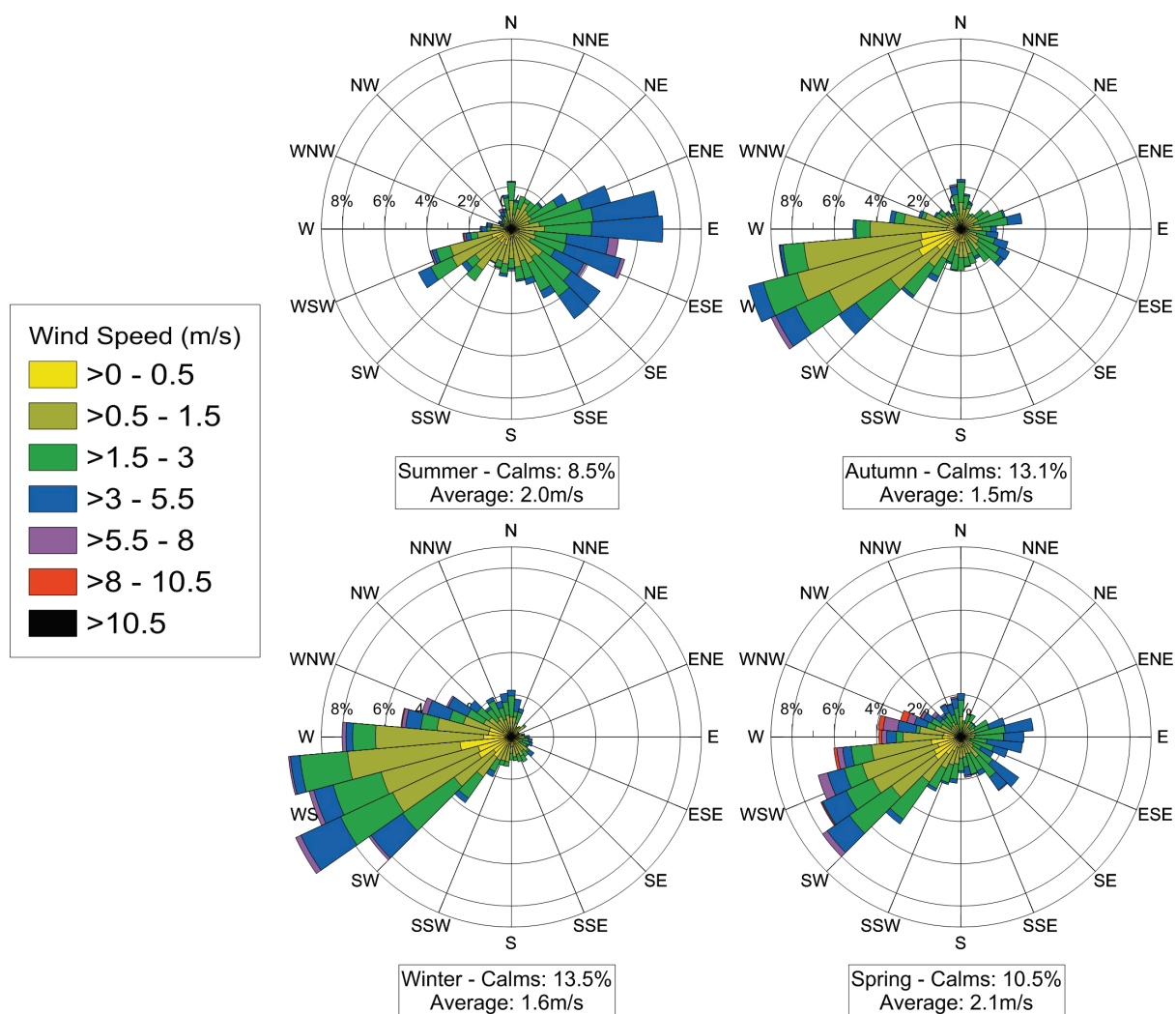
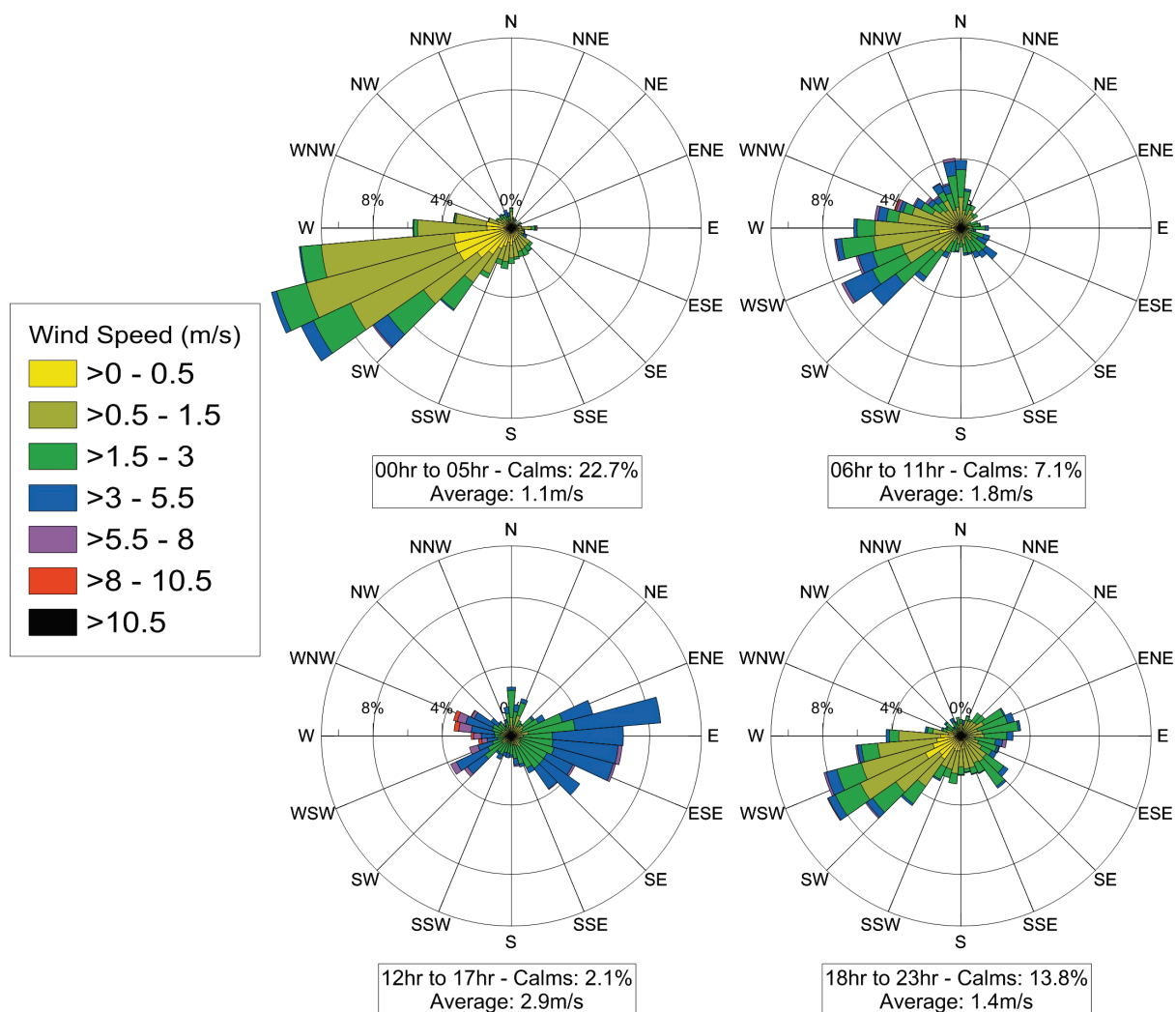


Figure A2 – Interannual Comparison – BoM Holsworthy Control Range AWS – 2009-2013

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**Figure A3 – Seasonal Wind Roses – OEHLiverpool Station - 2013**

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**Figure A5 – Diurnal Wind Roses – OEH Liverpool Station - 2013**

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Appendix B

Project Emissions Inventory

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Construction Assumptions

The following table presents the assumptions made in calculating the annual emission from the construction activities at the Project site.

Table B-1: Construction Phase Assumptions

Parameter	Phase A	Phase B	Phase C	Assumption / Reference
Annual equipment numbers (%)	100	100	100	Assumed that the maximum number of equipment will be operating during the whole year.
Material handled per year	50%	50%	50%	The construction will be staggered over a number of years. Therefore the total materials to be handled for each stage would be split to occur over a series of years within each stage.
Gross Vehicle mass of haul truck (t)	50	50	50	PB assumption
Silt content of haul road surface (%)	4	4	4	Assumed
Level of control for unpaved haul roads (%)	75	-	-	75% achieved through watering (OEH 2011). Assumed that no haul trucks would be travelling on unsealed roads by Phase B.
Haul truck distance travelled (km return trip)	2	2	2	Assumed
Haul truck distance travelled along Moorebank Ave (km)	2	2	2	Assumed. Distance from Project site to M5 Motorway
Haul road usage paved v unpaved (on-site)	25:75	100:0	100:0	Assumed that all roads would be paved by Phase B.
Material movements VKT (km)	<ul style="list-style-type: none"> Scenario 1 – 36,082 Scenario 2 – 43,306 Scenario 3 – 33,871 	<ul style="list-style-type: none"> Scenario 4 – 22,961 Scenario 5 – 23,781 Scenario 6 – 25,422 	<ul style="list-style-type: none"> Scenario 7 – 22,961 Scenario 8 – 21,321 Scenario 9 – 22,961 	Based on material required to be transported.
Construction footprint	<ul style="list-style-type: none"> Scenario 1 – 67.1 	<ul style="list-style-type: none"> Scenario 4 – 24.0 	<ul style="list-style-type: none"> Scenario 7 – 40.6 	Based on total area to

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Table B-1: Construction Phase Assumptions

Parameter	Phase A	Phase B	Phase C	Assumption / Reference
(ha)	<ul style="list-style-type: none"> Scenario 2 – 53.6 Scenario 3 – 61.6 	<ul style="list-style-type: none"> Scenario 5 – 52.1 Scenario 6 – 32.8 	<ul style="list-style-type: none"> Scenario 8 – 37.1 Scenario 9 – 48.8 	be constructed during each stage.
Area of exposed land at any one time (ha)	<ul style="list-style-type: none"> Scenario 1 – 13.4 Scenario 2 – 10.7 Scenario 3 – 12.3 	<ul style="list-style-type: none"> Scenario 4 – 4.8 Scenario 5 – 10.4 Scenario 6 – 6.6 	<ul style="list-style-type: none"> Scenario 7 – 8.1 Scenario 8 – 7.4 Scenario 9 – 9.8 	Assumed that 20% of the construction footprint would be exposed at any one time. This assumption is based on the high level mitigation that would be employed during construction.
Level of control for exposed surface (%)	30	30	30	It has been assumed that wind breaks (e.g. screening) will be employed to mitigate potential wind erosion.
Silt content of excavated material (%)	10	10	10	Assumed
Moisture content of excavated material (%)	8	8	8	Moisture content takes into account regular watering
Grader speed (km/hr)	8	8	8	Assumed
Active dozer time (%)	50	50	50	Assumed that 50% of the time the dozers will not be used.
Active grader time (%)	50	50	50	Assumed that 50% of the time the graders will not be used.
Level of control for loading/unloading (%)	0	0	0	No control adopted
Level of control for scraper (%)	50	50	50	50% control when soil is naturally or artificially moist. This would be achieved through regular watering (OEH 2011)
Level of control for graders (%)	50	50	50	50% control when soil is naturally or artificially moist. This would be achieved through regular watering (OEH 2011)
Level of control for	50	50	50	50% control when soil

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Table B-1: Construction Phase Assumptions

Parameter	Phase A	Phase B	Phase C	Assumption / Reference
dozers (%)				is naturally or artificially moist. This would be achieved through regular watering (OEH 2011)

Operational Assumptions

To compile an emissions inventory for proposed operations, the following general assumptions were made:

Table B-2: Operations Phase Assumptions

Parameter	Assumption	Reference																				
Locomotive																						
Locomotive Fleet	The locomotive fleet that would enter the Project has factored the upgrade of locomotives over time. US-EPA engine emission tiers have been used to classify the locomotive fleet. The following fleet has been adopted for each year:	OEH (2012)																				
	<table><tr><td>% of locomotives</td><td>Pre Tier 0</td><td>Tier 0</td><td>Tier 1</td><td>Tier 2</td></tr><tr><td>Phase B</td><td>81%</td><td>3%</td><td>16%</td><td>-</td></tr><tr><td>Phase C</td><td>50%</td><td>34%</td><td>16%</td><td>-</td></tr><tr><td>Full Build</td><td>-</td><td>-</td><td>50%</td><td>50%</td></tr></table>		% of locomotives	Pre Tier 0	Tier 0	Tier 1	Tier 2	Phase B	81%	3%	16%	-	Phase C	50%	34%	16%	-	Full Build	-	-	50%	50%
	% of locomotives		Pre Tier 0	Tier 0	Tier 1	Tier 2																
	Phase B		81%	3%	16%	-																
	Phase C		50%	34%	16%	-																
	Full Build		-	-	50%	50%																
Assumptions:																						
<ul style="list-style-type: none">No Tier 2 emission factors have been included for Phase B and C50% of locomotives have been upgraded to Tier 1 emission standards and the other 50% to Tier 2 by 2030.																						
Emission rates	<ul style="list-style-type: none">Emission rates for Locomotives are as per the US-EPA standard. Horse power based on the kW output as per those presented in Lilley (1996) for each notch speed. Idle bhp was assumed to be 20% of notch 1 power output.	US-EPA (2009); Lilley (1996)																				
PM _{2.5} emission factor	US-EPA (2009) state that PM _{2.5} emissions make up 97% of PM emissions from locomotives.	US-EPA (2009)																				
SO ₂ emission factor	SO ₂ emission factor assumes that all of the sulphur in the diesel fuel is converted to SO ₂ . Sulphur content of locomotive diesel in Australia is up to 10 ppm (0.001%). Density of diesel assumed to be 0.8361 kg/L.	Department of Environment Heritage and Water (DEHWA) (2008)																				
PAHs emission factor	PAH emission factors taken from the OEH GMR 2008 Emissions Inventory. This inventory in turn references Table C-5 (California low sulfur diesel) - Documentation for Aircraft, Commercial Marine Vessel, Locomotive, and other NonRoad Components of the National Emissions	EPA (2012)																				

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Table B-2: Operations Phase Assumptions

Parameter	Assumption	Reference
	Inventory, Volume I – Methodology (Pechan, 2005).	
VOCs emission factor	No VOC emission rate was available. It has been assumed that VOC emissions are equal to 1.053 times hydrocarbons (HC) emissions.	US-EPA (2009)
Train speeds	<ul style="list-style-type: none"> Stationary trains were assumed to be idling and not turned off. Emission factors for trains entering and exiting the Project site were assumed to travel at Notch 1 (~20km/hr) trains speeds 	Lilley (1996)
Idle times on-site	<ul style="list-style-type: none"> IMEX – 5.3 hours per day IS – 3 hours per day 	IMT Project concept masterplan reference design
Enter/exit times	<ul style="list-style-type: none"> IMEX – 20 minutes to enter/exit per day IS – 20 minutes to enter, 1 hour to exit per day 	IMT Project concept masterplan reference design
Locomotive numbers	<ul style="list-style-type: none"> IMEX train – two locomotives per train IS – four locomotives per train 	IMT Project concept masterplan reference design
Switch Engines		
Switch engine	Assumed that 50% of the time that switch engine will be idling. The other 50% of the time the switch engine would be travelling around the site at approximately 20 km/hr.	Assumed
Emission rates	Based on US-EPA Tier 2+ emission factors. Power usage based on Lilley (1996). Idle bhp was assumed to be 20% of notch 1 power output.	US-EPA (2009); Lilley (1996)
PM _{2.5} emission factor	US-EPA (2009) state that PM _{2.5} emissions make up 97% of PM emissions from locomotives.	US-EPA (2009)
Mobile LNG Equipment		
Pollutant emission factor	<ul style="list-style-type: none"> Emission factors for all LNG powered on-site equipment assumed to be the same due to similar engines being used. Emissions assumed to be similar to >25 hp engine that complies with Tier 2 US emission standards. This includes forklifts and terminal vehicles (ITVs). Side pick pollutant emission rates are assumed to be the same as those from a forklift. 	US-EPA (2010)
PM ₁₀ emission factor	100% of LNG PM emissions are <PM _{2.5} . Therefore there are no PM ₁₀ emissions.	US-EPA (2010)
PM _{2.5} emission factor	100% of LNG PM emissions are <PM _{2.5} .	US-EPA (2010)
SO ₂ emission factor	No emission factor provided in US-EPA (2010). Assumed that any Sulphur present in LNG would be at trace concentrations and not considered a significant source of SO ₂ .	US-EPA (2010)
PAHs emission factor	No emission factor provided in US-EPA (2010). Assumed that any PAHs present in LNG would be at trace concentrations and not considered a significant source.	US-EPA (2010)
VOCs emission factor	Assumed that all hydrocarbons emitted are equivalent to VOCs	US-EPA (2010)

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Table B-2: Operations Phase Assumptions

Parameter	Assumption	Reference
Engine power	<ul style="list-style-type: none"> ITV – 160 hp Forklift and side pick – 300 hp 	IMT Project concept masterplan reference design; Cummins (2012)
Load factor	<ul style="list-style-type: none"> ITV – 0.5 (assumed have a similar load factor to an off highway truck) Forklift – 0.2 Side pick - 0.2 (have a similar load factor to a forklift) 	DEHWA (2008b)
OTV Movements		
Pollutant emission factor	Base hot running exhaust emission factors for articulated trucks used (EPA, 2012), in addition to idling vehicle emission factors for Heavy-Duty Trucks (US-EPA, 2008). Fleet composition emission factors were calculated for each year assessed using the articulate truck age profile data documented within EPA (2012).	EPA (2012); US-EPA (2008)
Fuel consumption	Based the average articulated truck fuel consumption for 2010 was 56.2 L per 100 km	ABS (2011)
Power output	It has been assumed that 80% of the time trucks spend idling (~80hp) and the other 20% of the time the trucks are at maximum torque (i.e. ~200hp). This equate to 77.5 kW.	Mack (2012)
VKT	OTVs would travel 10 km/hr (factored to include idling time on-site)	PB assumption
Load factor	Load factor for OTV is 0.25	DEHWA (2008b)
Time	Assumed that each OTV spends 1 hour on-site	PB assumption
OTV numbers	The split between OTVs that would visit warehouses main (Zones 1 to 5) and Warehouses in Zone 6 is 88% and 12%, respectively. It has been assumed that 10% of OTVs will be early and therefore require use of the troubled parking area	Traffic Impact Assessment (PB 2012)
Passenger vehicles (diesel and petrol)		
Pollutant emission factor	<ul style="list-style-type: none"> Diesel passenger vehicles emissions based on Table 9 - diesel vehicle (car) Petrol passenger vehicles emissions based on Table 10 - petrol cars 	DEHWA (2008b)
Fuel consumption	Diesel passenger fuel consumption is based on the average passenger vehicle fuel consumption for 2010 (13.8 L per 100 km)	ABS (2011)
Distance travelled on-site	Assumed that both petrol and diesel passenger cars would travel 400 metres on-site	n/a
Load factor	Load factor not required when vehicle used for on road purposes	DEHWA (2008b)
Vehicle split	The total passenger vehicles have been split in accordance with passenger vehicle fuel consumption for 2010: petrol – 84.1% and diesel – 15.9%	ABS (2011)

Construction Phase Particulate Matter Emission Factors Applied

The emission factor equations applied to construction phase activities within the assessment are documented in this subsection.

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Table B-3: Construction Phase Emission Factors					
Emission Source	Emission Factor			Emission Factor Unit	Source of Factor
	TSP	PM₁₀	PM_{2.5}		
Grader	0.31	0.11	0.01	kg/VKT	AP-42 Table 11.9-2
Scraper	0.029	0.0073	0.0011	kg/t	AP-42 Table 11.9-4, PM _{2.5} particle multiplier used AP-42 Ch 3.2.5
Dozer on Overburden	2.76	0.58	0.14	kg/hour	NPI Mining Equation 16/17 - Bulldozer on Material other than Coal
Excavator / Truck Loading / Unloading	0.00014	0.00007	0.00001	kg/tonne	AP-42 13.2.4 - Materials Handling Equation / NPI Mining Equation 10
Haulage - Unpaved	2.37	0.58	0.06	kg/Vehicle km Travelled	AP-42 13.2.2 - Unpaved Road Equation
Haulage - Paved	0.08	0.02	0.004	kg/Vehicle km Travelled	AP-42 13.2.1 - Paved Road Equation
Wind Erosion – Exposed Areas	850.0	425.0	63.8	kg/ha/year	AP-42 11.9 - Wind erosion of exposed areas factor

Details relating to the emission equations referenced in the above table are presented in the following sections.

Unpaved Roads Equation

The emissions factors for unpaved roads, as documented within AP42 Chapter 13.2.2 - "Unpaved Roads" (US-EPA 2006a), was applied as follows:

$$E = k (s/12)^a (W*1.1023/3)^b$$

Where:

E = Emissions Factor (lb/VMT)

s = surface material silt content (%)

W = mean vehicle weight (tonnes)

The following constants are applicable:

Constant	TSP (assumed from PM₃₀)	PM₁₀	PM_{2.5}
K (lb/VMT)	4.9	1.5	0.15
a	0.7	0.9	0.9
b	0.45	0.45	0.45

The metric conversion from lb/VMT to g/VKT is as follows:

$$1 \text{ lb/VMT} = 0.2819 \text{ kg/VKT}$$

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Paved Roads Equation

The emissions factors for paved roads, as documented within AP42 Chapter 13.2.2 -“Paved Roads” (US-EPA 2011), was applied as follows:

$$E = k (sL)^{0.91} (W)^{1.02}$$

Where:

E = Emissions Factor (g/VKT)

sL = road surface silt loading (g/m²) – 0.4g/m² adopted from US-EPA 2011

W = mean vehicle weight (tonnes)

The following constants are applicable:

Constant	TSP (assumed from PM ₃₀)	PM ₁₀	PM _{2.5}
k (g/VKT)	4.9	1.5	0.15

Materials Handling

Particulate matter emissions from material transfer operations were calculated through the application of the US-EPA predictive emission factor equation for continuous and batch drop loading and tipping operations (AP42, Section 13.2.4), given as follows:

$$E = k(0.0016) * \left(\frac{\left(\frac{U}{2.2} \right)^{1.3}}{\left(\frac{M}{2} \right)^{1.4}} \right)$$

where,

E =Emissions (kg/tonne transferred)

U = mean wind speed (m/s)

M = material moisture content (%)

k = 0.74 for TSP, 0.35 for PM₁₀ and 0.053 for PM_{2.5}

Emission rates were calculated on an hourly basis to reflect hourly variations in the wind field.

Bulldozing on Overburden Equation

The emissions factors for bulldozer operations were taken from the Emission Estimation Technique Manual for Mining (NPI, 2012).

Units	TSP	PM ₁₀	PM _{2.5}
kg/hr	$\frac{2.6(s)^{1.2}}{(M)^{1.3}}$	$\frac{0.45(s)^{1.5}}{(M)^{1.4}} \times 0.75$	PM ₁₀ x 0.15

Where: s = material silt content (%)

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M = material moisture content (%)

The PM_{2.5} emission factor taken from PM_{2.5}/PM₁₀ ratios presented by Countess Environmental (2006) in the *WRAP Fugitive Dust Handbook*.

Operations Phase Emission Factors Applied

Operational phase emissions were estimated based on a range of published emission factor resources, including the following:

- Locomotives – Line-haul Emission Factors from *Emission Factors for Locomotives* (US-EPA 2009)
- Shunting engines – Switch Emission Factors from *Emission Factors for Locomotives* (US-EPA 2009)
- LNG ITV equipment – Spark-Ignition Engines >25hp from *Exhaust Emission Factors for Nonroad Engine Modeling – Spark-Ignition* (US-EPA 2010);
- OTV Idling – HDDV factors from *Idling Vehicle Emissions for Passenger Cars, Light-Duty Trucks, and Heavy-Duty Trucks* (US-EPA 2008)
- OTV Moving - Base hot running exhaust emission factors for articulated trucks - NSW EPA 2008 GMR Inventory
- Passenger vehicles – Factors for Diesel and Petrol cars from Emission Estimation Manual for Combustion Engines (NPI, 2008)
- LPG combustion for heating/cooling – Factors for Natural Gas combustion from Emission Estimation Manual for Combustion in Boilers (NPI, 2011)

A summary of emission factors applied to calculate operational phase emissions is presented in the following table. It is noted that key assumptions are presented in

Table B-4: Operational Phase Emission Factors

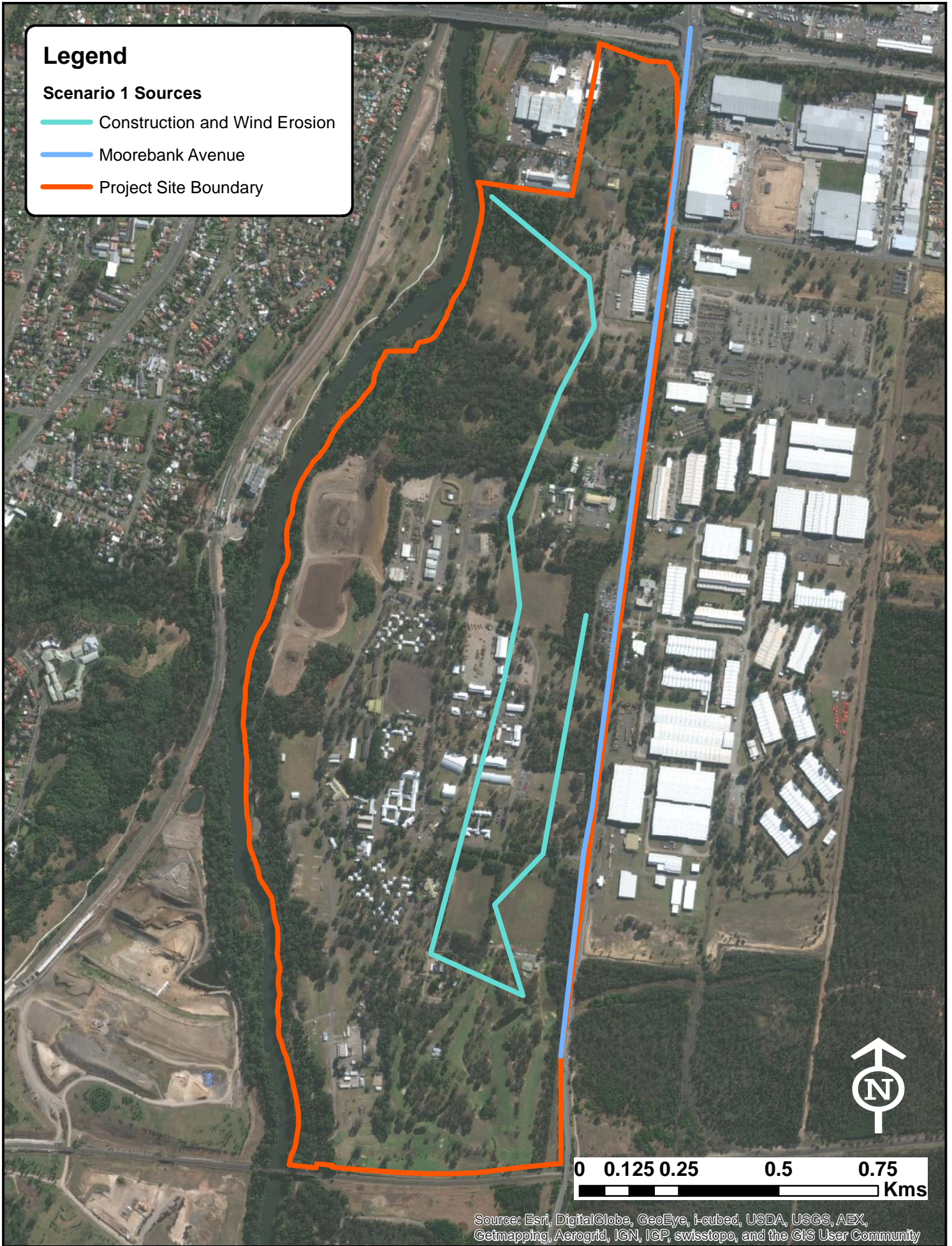
Source	Factor Unit	Key Parameter	PM ₁₀	PM _{2.5}	NO _x	SO ₂	CO	VOC	PAH	Reference
Locomotive - Pre Tier 0	g/bhp-hr	Idling - 46bhp	0.32	0.3104	13	0.020	1.28	0.48	0.0006	Factors - US-EPA 2009. Engine Power – Notch 1 Lilley 1996 Idling Power – 20% of Notch 1
Locomotive - Tier 0+	g/bhp-hr	Low Speed	0.2	0.194	7.2	0.012	1.28	0.3	0.0004	
Locomotive - Tier 1+	g/bhp-hr	(Notch 1) -	0.2	0.194	6.7	0.012	1.28	0.29	0.0004	
Locomotive - Tier 2+	g/bhp-hr	228hp	0.08	0.0776	4.95	0.005	1.28	0.13	0.0002	
Shunting Engine	g/L diesel	34.2 L/hr	0.44	0.43	29.31	8.36	7.35	1.10	0.0036	Factors - US-EPA 2009
Truck Idling	g/hr	0.5 hr idling per truck	1.196	1.16012	33.763	0.049699	25.628	3.455	0.0000	Factors - US-EPA 2008
Truck Moving - Phase A	g/hr	1hr onsite per truck	1.04	1.010	43.25	0.043	9.85	1.61	0.027	Factors - NSW EPA 2008 GMR Inventory
Truck Moving - Phase B	g/hr	1hr onsite per truck	1.04	1.010	43.25	0.043	9.85	1.61	0.027	Factors - NSW EPA 2008 GMR Inventory
Truck Moving - Phase C	g/hr	1hr onsite per truck	0.47	0.4602	29.98	0.0197	1.92	0.45	0.0074	Factors - NSW EPA 2008 GMR Inventory
Truck Moving - Full Build	g/hr	1hr onsite per truck	0.44	0.428	29.15	0.018	1.49	0.38	0.006	Factors - NSW EPA 2008 GMR Inventory
Forklift	g/bhp-hr	300 Hp	0.05	0.0485	0.89	0	3.92	1.57	0	Factors - US-EPA 2010
ITV	g/bhp-hr	160 Hp	0.05	0.0485	0.89	0	3.92	1.57	0	Factors - US-EPA 2010
Sidepick	g/bhp-hr	300 Hp	0.05	0.0485	0.89	0	3.92	1.57	0	Factors - US-EPA 2010
Passenger Vehicle (diesel)	g/L diesel	0.0023 l/hour	2.08	1.98	6.69	0.0167	10.1	0.818	0.000319	Factors – NPI 2008
Passenger Vehicle (petrol)	kg/km	0.017 km/hr	8.03E-06	7.45E-06	0.0008	1.17E-05	0.00444	0.000292	6E-10	Factors – NPI 2008
LPG Gas Heating	Kg/GJ	6,900GJ/year	0.0036	0.0036	0.0828	0.00053676	0.0117	0.00268	0.00000031	Factors – NPI 2011

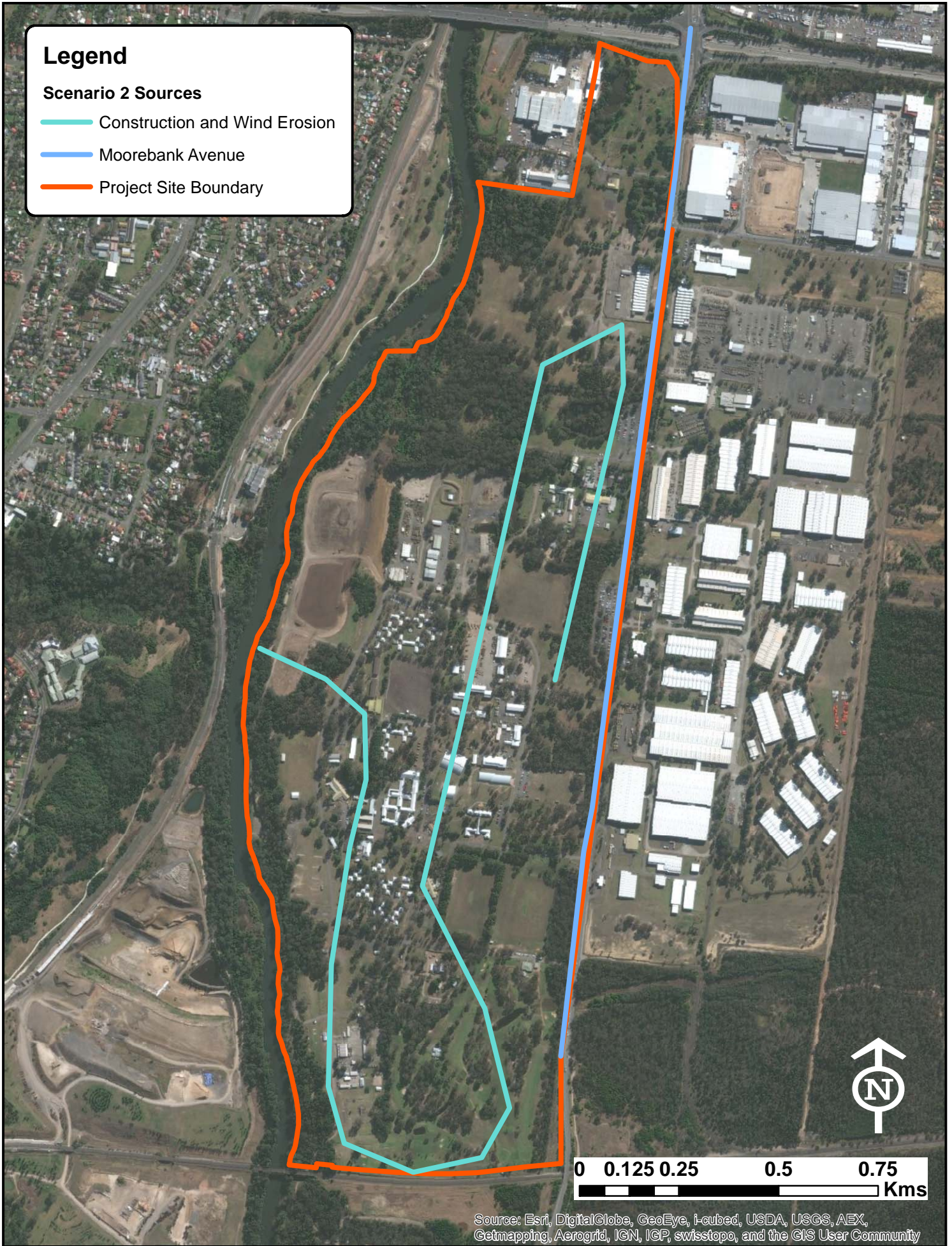
29 September 2014

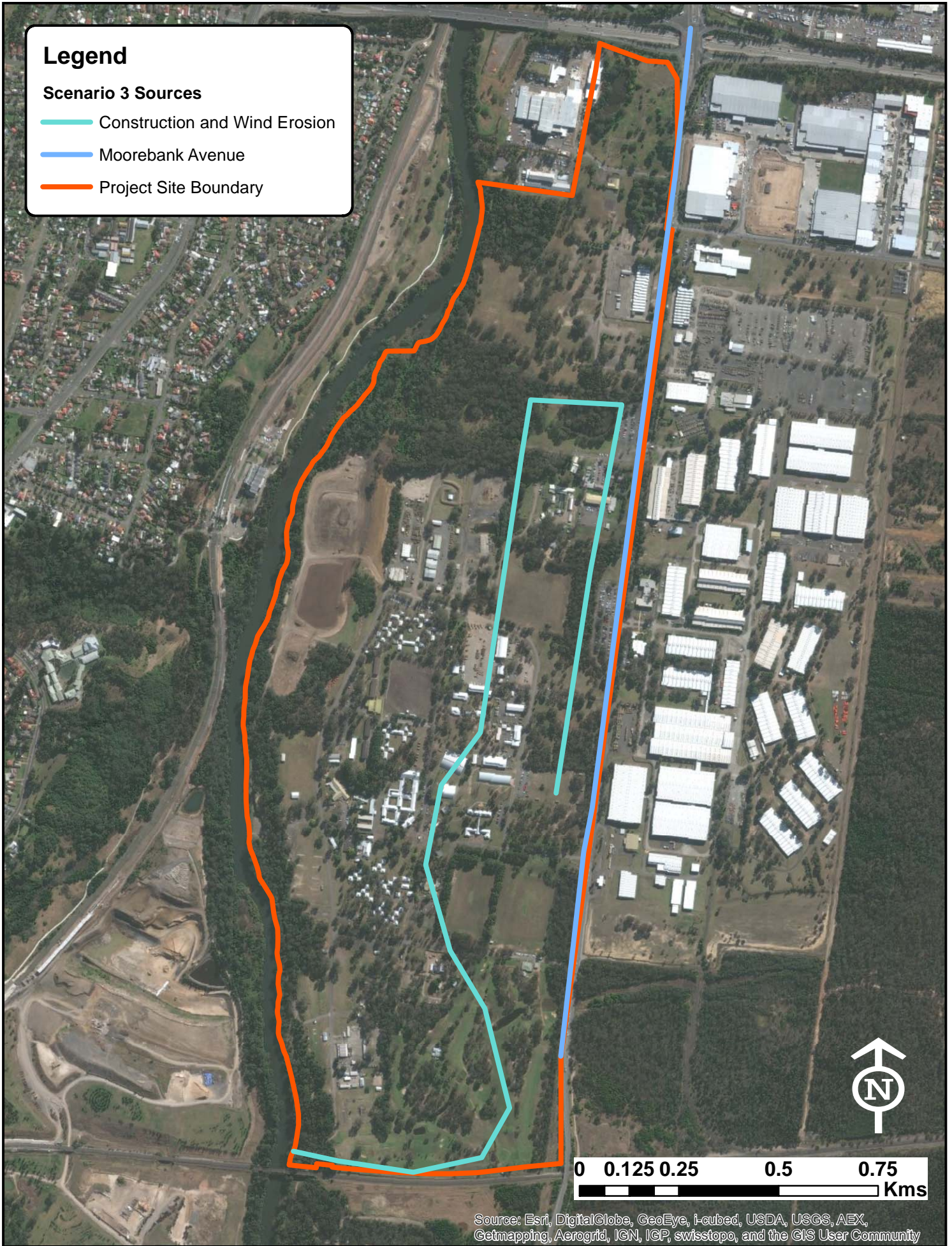
Emission Source Maps

The modelled location of emission sources for each scenario is presented in Figure B1 to B12. The following points are noted:

- All emission sources are volume sources distributed along the marked lines.
- Locomotive idling emissions are distributed across the Yard sources.
- Locomotive moving emissions are distributed across the Spur sources.
- Shunting emissions are distributed across the Yard sources.
- ITV, sidepick and forklift emissions are distributed across the Warehousing sources.
- All construction emissions (fugitive activities, haul truck movements, wind erosion) are distributed across the Construction and Wind Erosion sources.
- Truck traffic emissions are allocated along OTV and Moorebank Avenue emission sources.



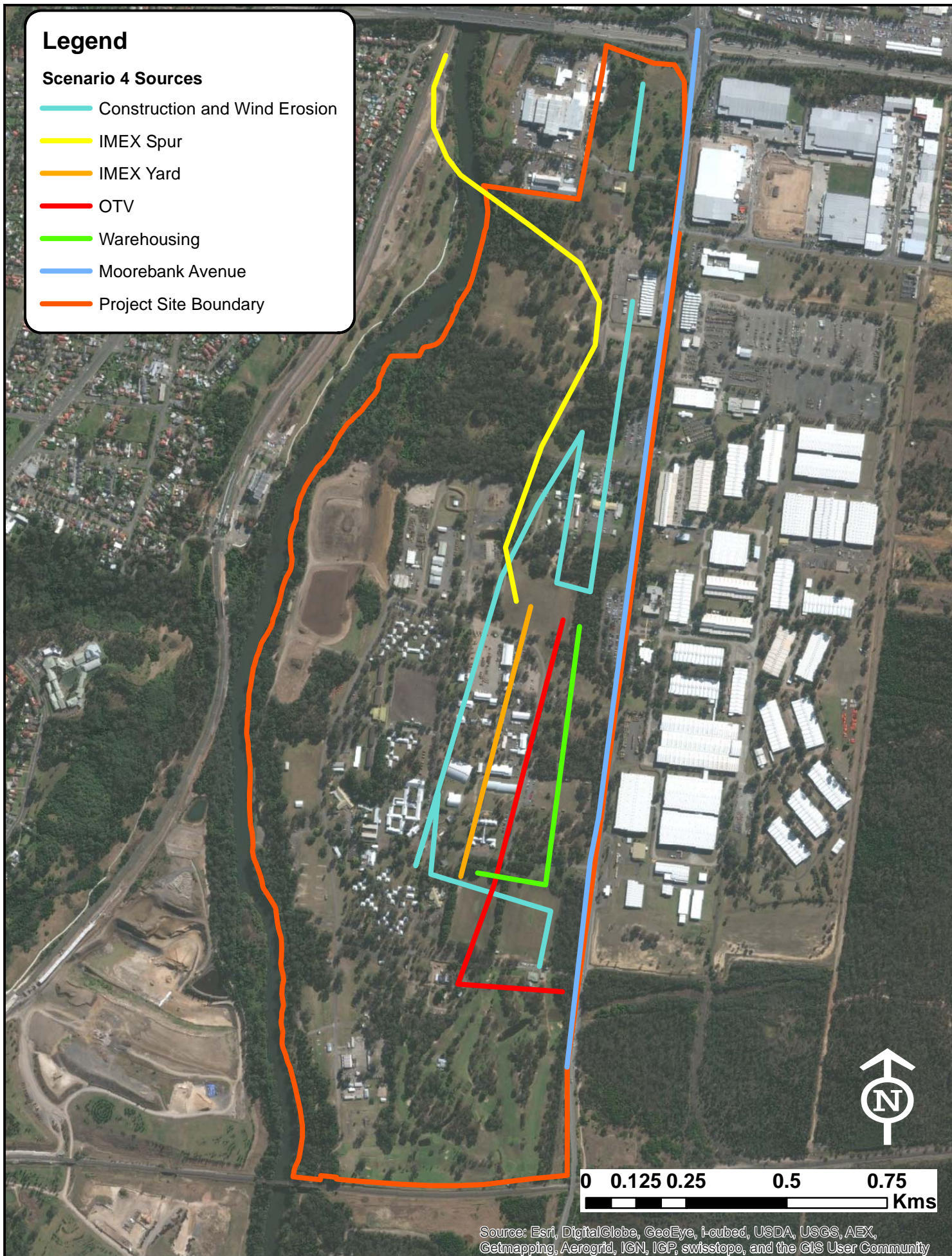




Legend

Scenario 4 Sources

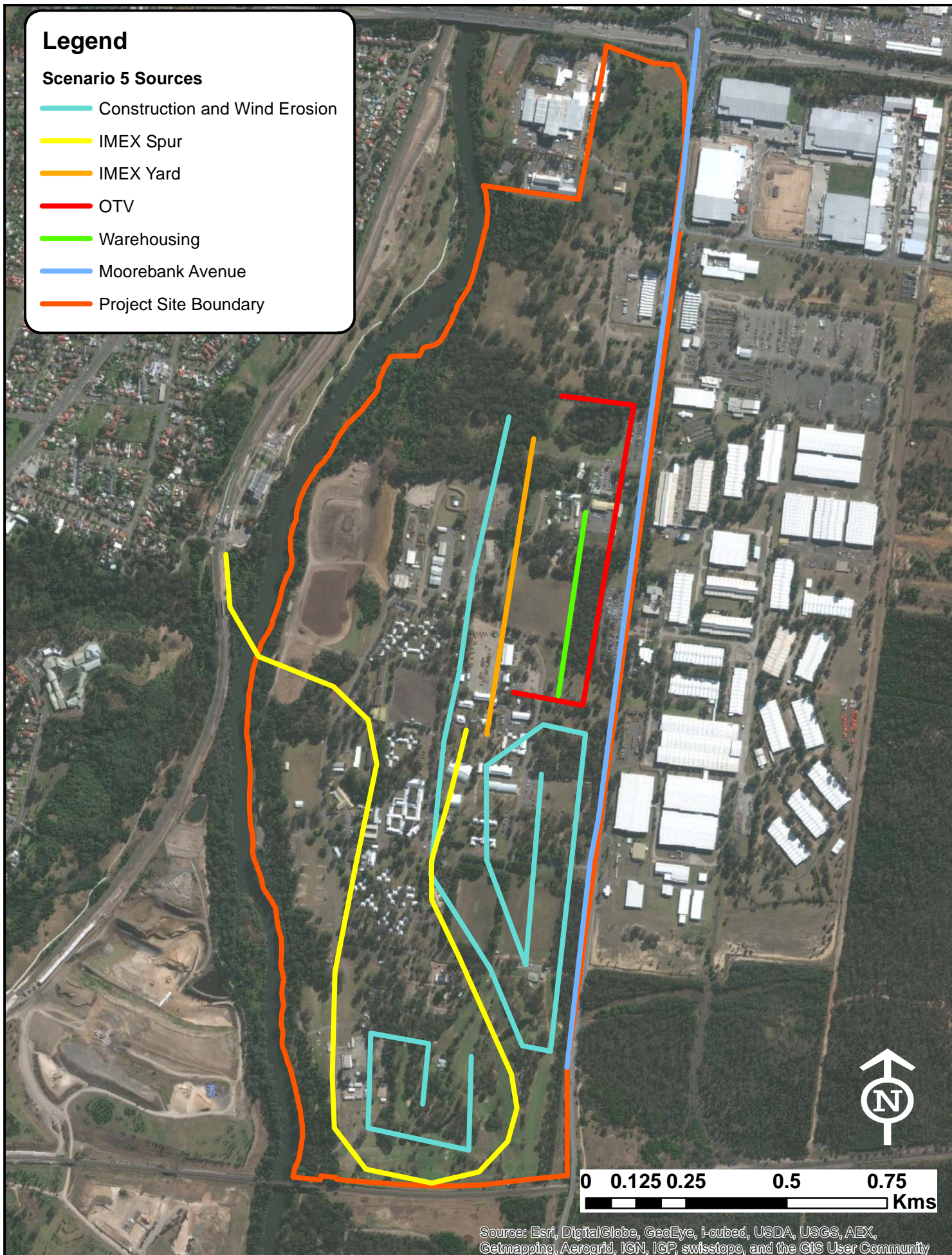
- Construction and Wind Erosion
- IMEX Spur
- IMEX Yard
- OTV
- Warehousing
- Moorebank Avenue
- Project Site Boundary



Legend

Scenario 5 Sources

- Construction and Wind Erosion
- IMEX Spur
- IMEX Yard
- OTV
- Warehousing
- Moorebank Avenue
- Project Site Boundary



Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



Scenario 5 Emission Source Locations

FIGURE
B5

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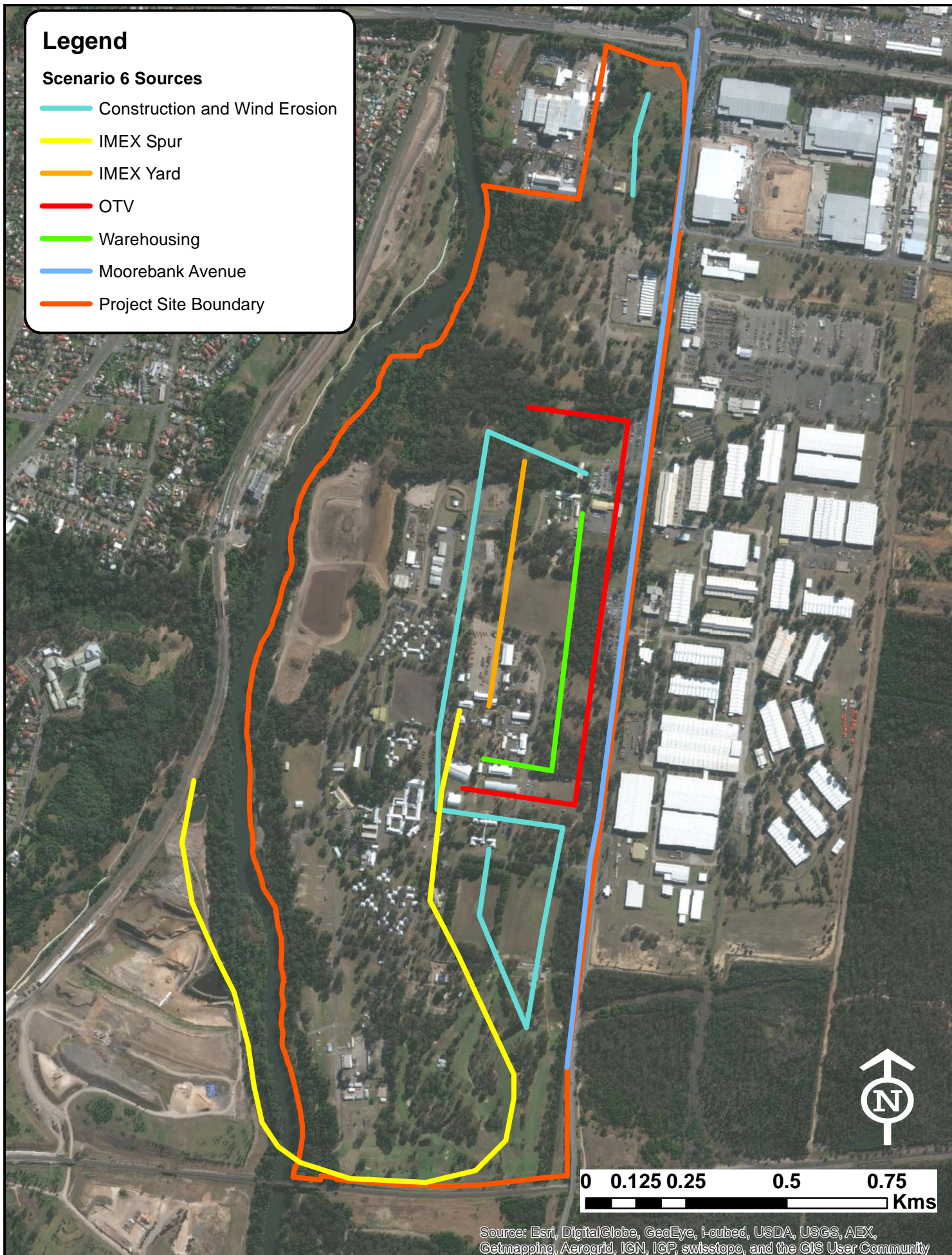
DATE: 30/05/2014

Project AS121562

Legend

Scenario 6 Sources

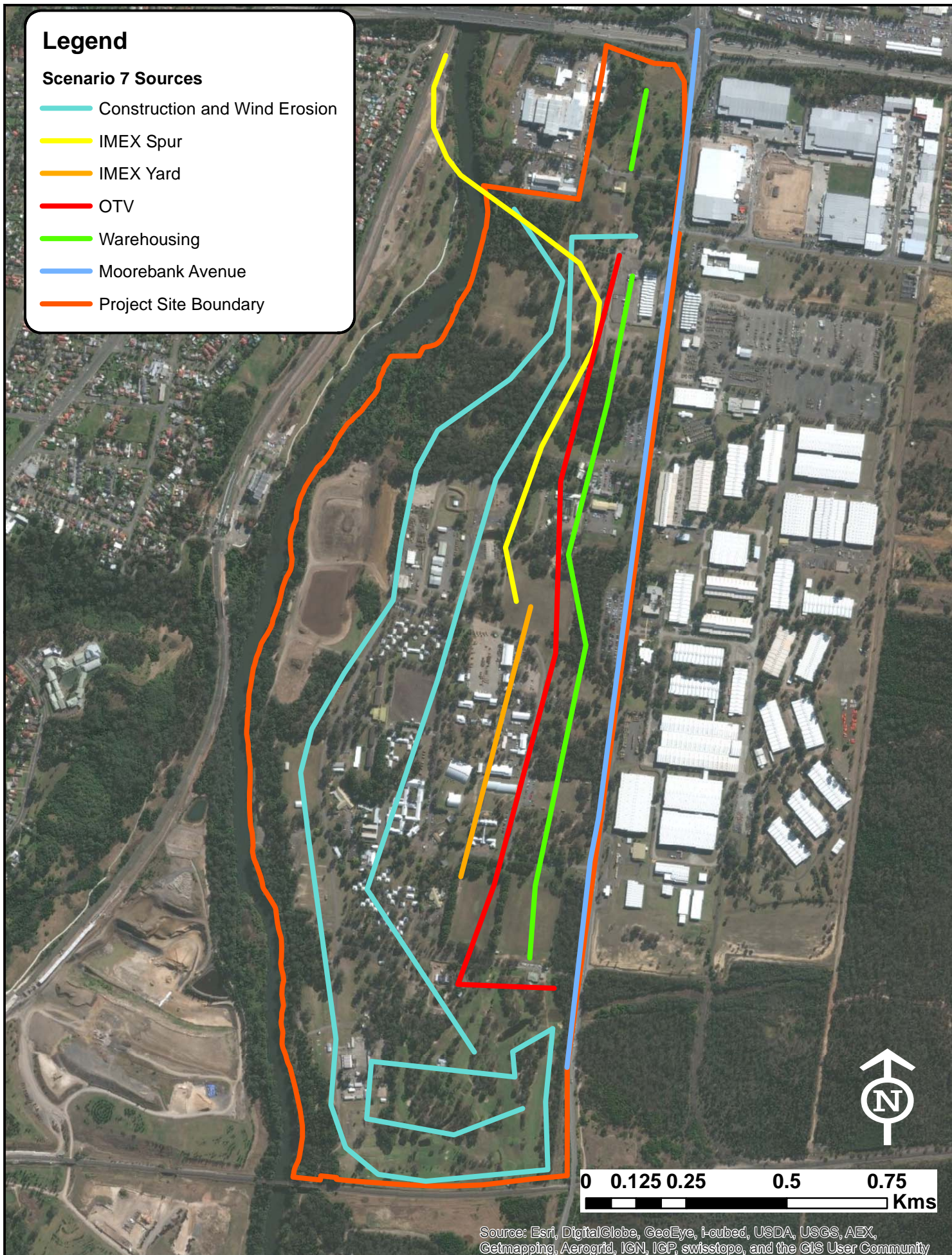
- Construction and Wind Erosion
- IMEX Spur
- IMEX Yard
- OTV
- Warehousing
- Moorebank Avenue
- Project Site Boundary



Legend

Scenario 7 Sources

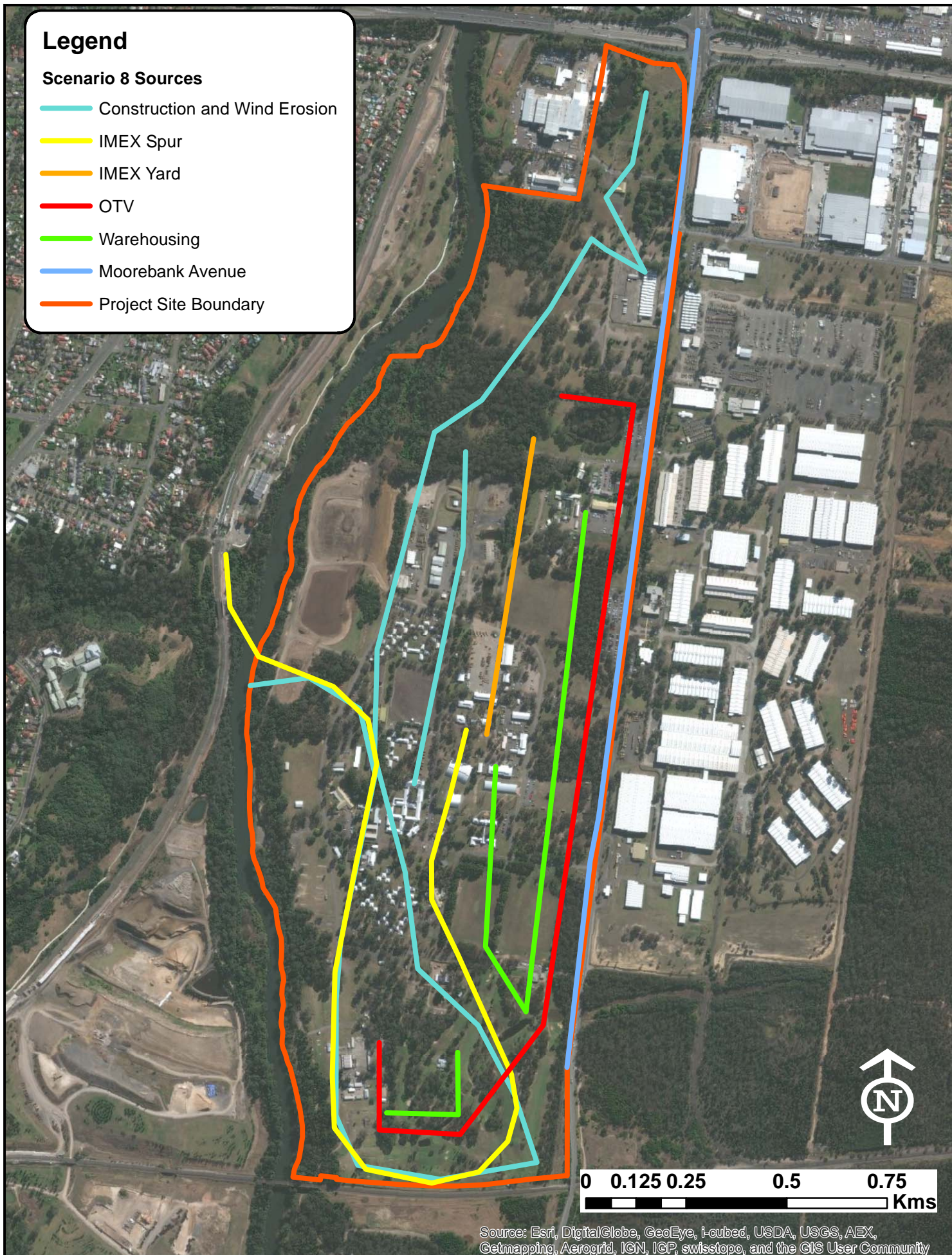
- Construction and Wind Erosion
- IMEX Spur
- IMEX Yard
- OTV
- Warehousing
- Moorebank Avenue
- Project Site Boundary



Legend

Scenario 8 Sources

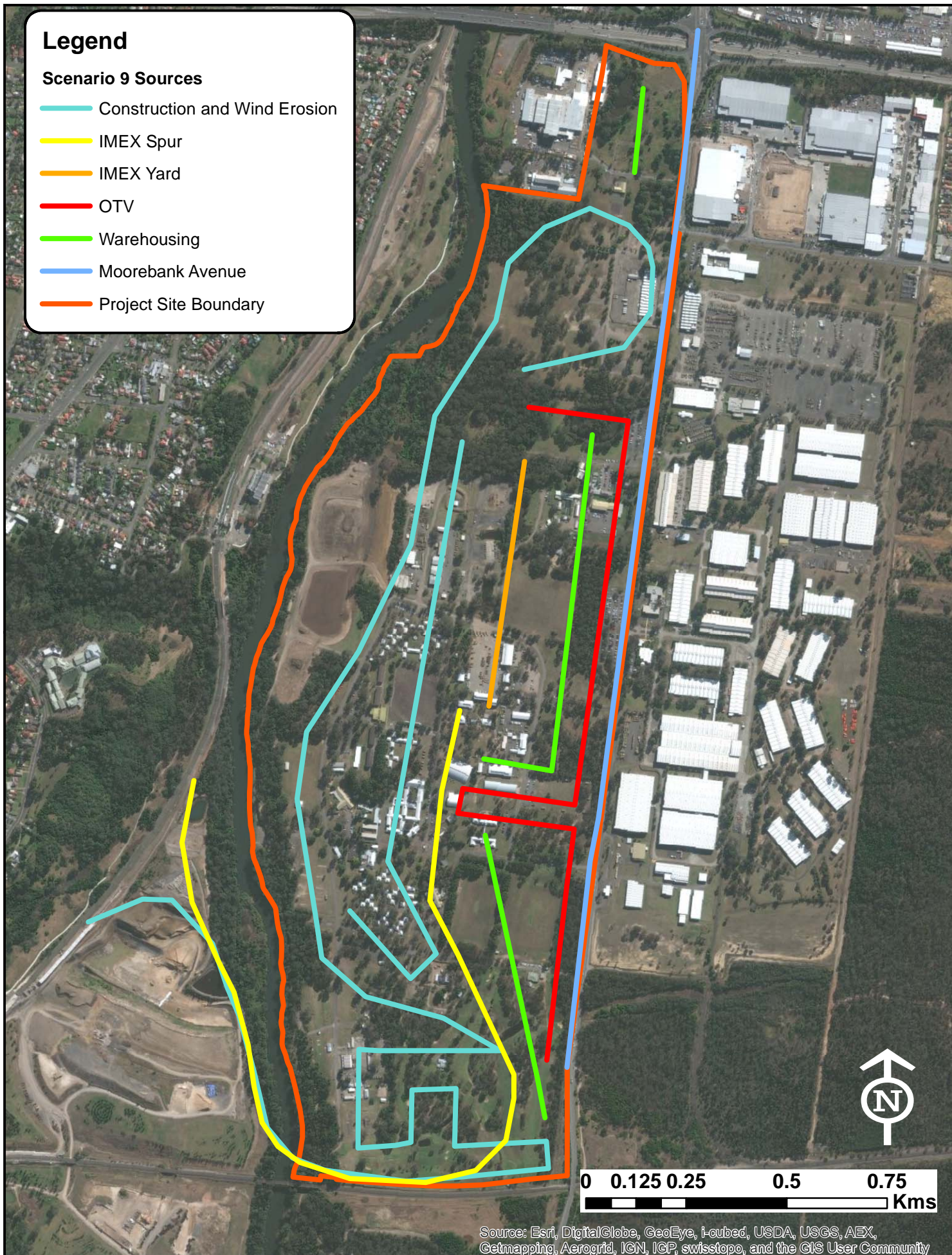
- Construction and Wind Erosion
- IMEX Spur
- IMEX Yard
- OTV
- Warehousing
- Moorebank Avenue
- Project Site Boundary



Legend

Scenario 9 Sources

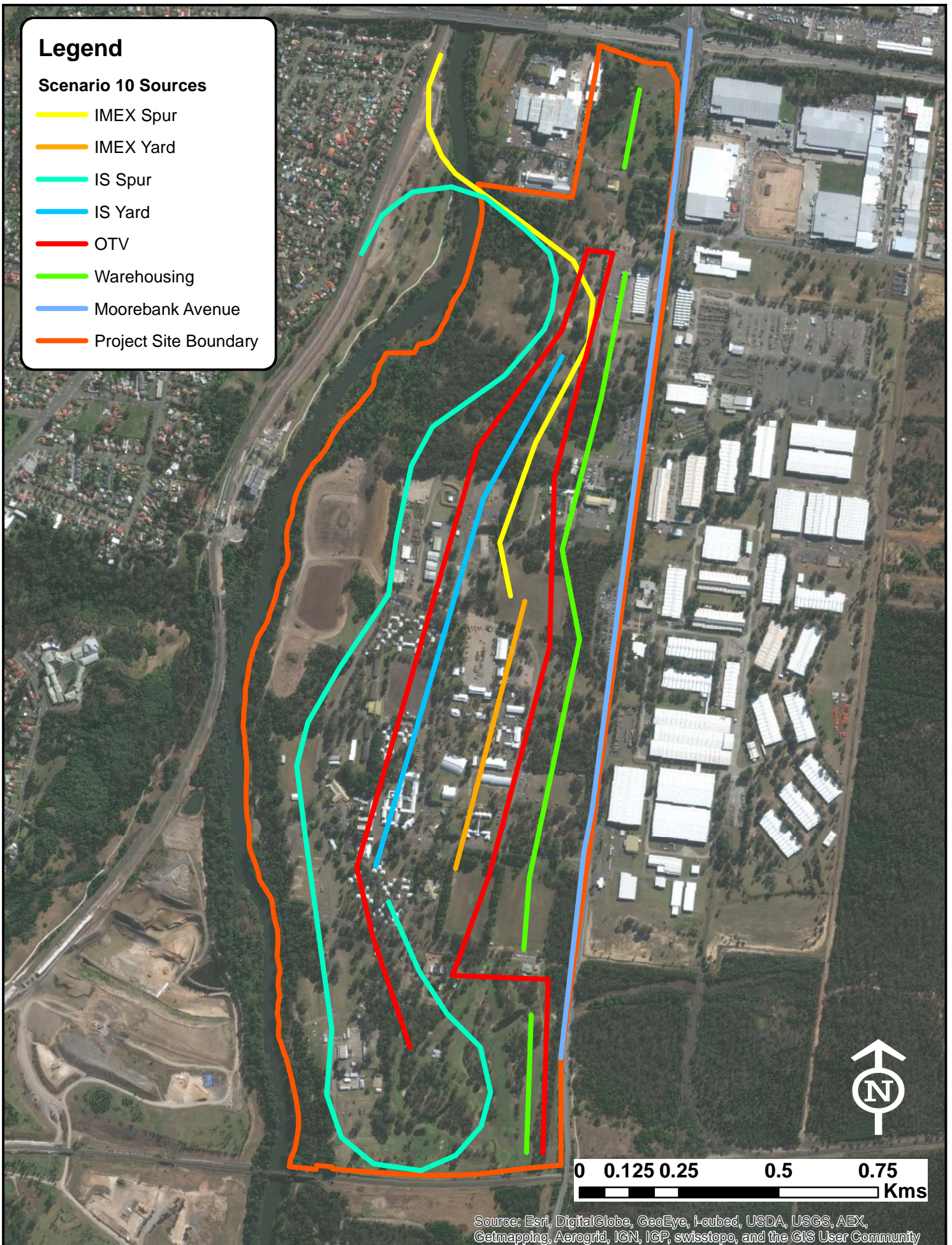
- Construction and Wind Erosion
- IMEX Spur
- IMEX Yard
- OTV
- Warehousing
- Moorebank Avenue
- Project Site Boundary



Legend

Scenario 10 Sources

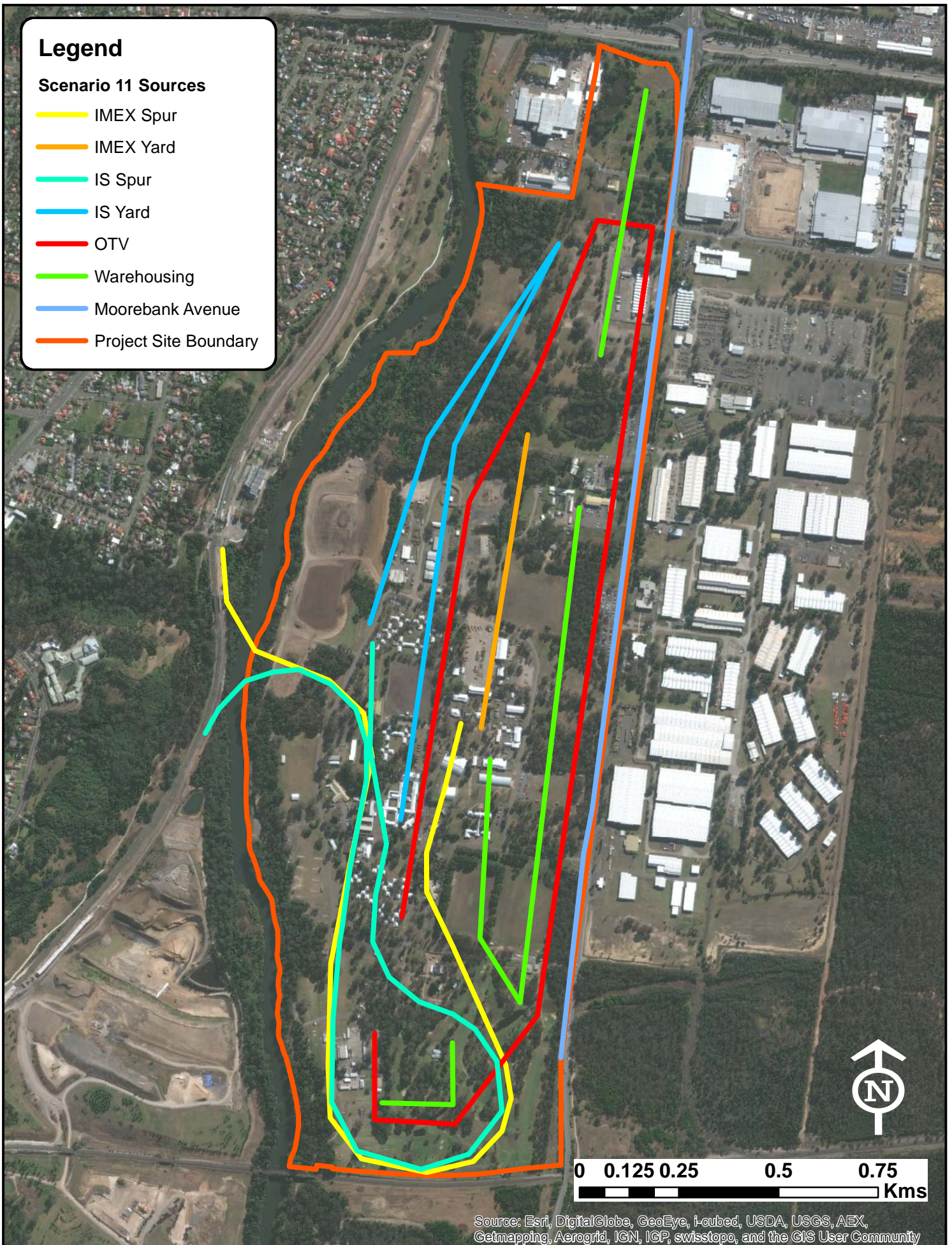
- IMEX Spur
- IMEX Yard
- IS Spur
- IS Yard
- OTV
- Warehousing
- Moorebank Avenue
- Project Site Boundary



Legend

Scenario 11 Sources

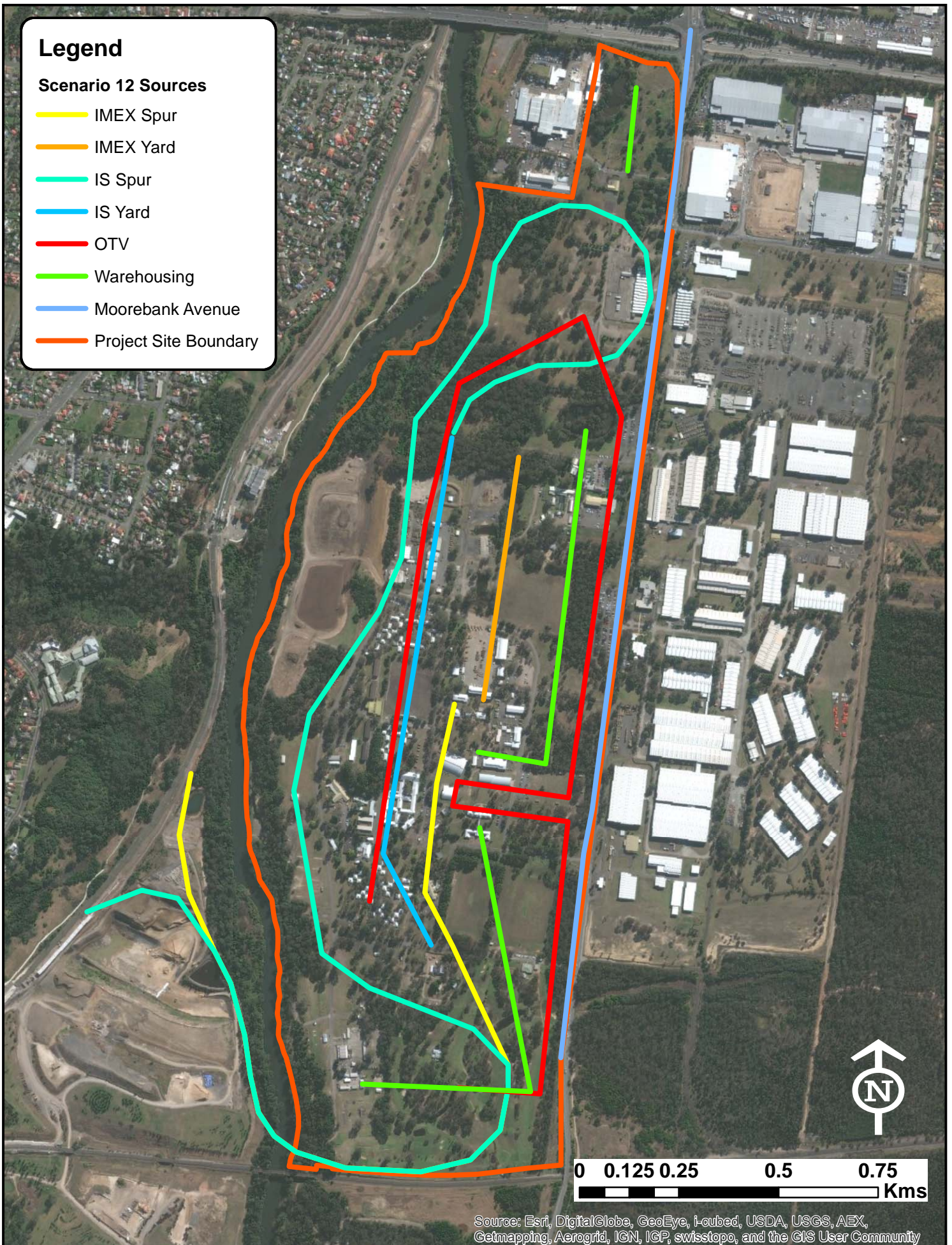
- IMEX Spur
- IMEX Yard
- IS Spur
- IS Yard
- OTV
- Warehousing
- Moorebank Avenue
- Project Site Boundary



Legend

Scenario 12 Sources

- IMEX Spur
- IMEX Yard
- IS Spur
- IS Yard
- OTV
- Warehousing
- Moorebank Avenue
- Project Site Boundary



Appendix C

Scenario Model Results

Table C1 – TSP and Dust Deposition Predictions – Northern Site Configuration												
Receptor ID	Incremental Annual Average TSP ($\mu\text{g}/\text{m}^3$)			Cumulative Annual Average TSP ($\mu\text{g}/\text{m}^3$)			Incremental Annual Average Dust Deposition ($\text{g}/\text{m}^2/\text{month}$)			Cumulative Annual Average Dust Deposition ($\text{g}/\text{m}^2/\text{month}$)		
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7
1	0.3	0.3	0.5	42.9	42.9	43.1	<0.1	<0.1	<0.1	0.8	0.8	0.8
2	0.5	0.3	0.4	43.1	42.9	43.0	<0.1	<0.1	<0.1	0.8	0.8	0.8
3	0.5	0.3	0.4	43.1	42.9	43.0	<0.1	<0.1	<0.1	0.8	0.8	0.8
4	0.4	0.3	0.4	43.0	42.9	43.0	<0.1	<0.1	<0.1	0.8	0.8	0.8
5	0.2	0.1	0.1	42.8	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
6	0.2	0.2	0.2	42.8	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
7	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
8	0.1	<0.1	0.1	42.7	42.6	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
9	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
10	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
11	0.2	0.1	0.2	42.8	42.7	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
12	0.3	0.2	0.2	42.9	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
13	0.3	0.2	0.2	42.9	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
14	0.3	0.3	0.2	42.9	42.9	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
15	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
16	<0.1	<0.1	<0.1	42.6	42.6	42.6	<0.1	<0.1	<0.1	0.8	0.8	0.8
17	0.3	0.1	0.2	42.9	42.7	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
18	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
19	0.1	<0.1	0.1	42.7	42.6	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
20	0.1	<0.1	0.1	42.7	42.6	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
21	<0.1	<0.1	<0.1	42.6	42.6	42.6	<0.1	<0.1	<0.1	0.8	0.8	0.8
22	0.2	0.1	0.1	42.8	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
23	0.2	0.1	0.1	42.8	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
24	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
25	0.2	0.2	0.2	42.8	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
26	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8

Table C1 – TSP and Dust Deposition Predictions – Northern Site Configuration												
Receptor ID	Incremental Annual Average TSP ($\mu\text{g}/\text{m}^3$)			Cumulative Annual Average TSP ($\mu\text{g}/\text{m}^3$)			Incremental Annual Average Dust Deposition ($\text{g}/\text{m}^2/\text{month}$)			Cumulative Annual Average Dust Deposition ($\text{g}/\text{m}^2/\text{month}$)		
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7
27	0.2	0.2	0.2	42.8	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
28	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
29	0.1	<0.1	0.1	42.7	42.6	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
30	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
31	0.1	<0.1	<0.1	42.7	42.6	42.6	<0.1	<0.1	<0.1	0.8	0.8	0.8
32	<0.1	<0.1	<0.1	42.6	42.6	42.6	<0.1	<0.1	<0.1	0.8	0.8	0.8
33	2.5	1.5	1.2	45.1	44.1	43.8	0.3	0.1	0.1	1.1	0.9	0.9
34	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
35	0.3	0.2	0.2	42.9	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
36	0.1	<0.1	0.1	42.7	42.6	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
37	0.2	0.1	0.1	42.8	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
38	0.5	0.4	0.5	43.1	43.0	43.1	<0.1	<0.1	<0.1	0.8	0.8	0.8
Boundary Maximum	4.5	3.0	2.5	47.1	45.6	45.1	0.6	0.3	0.3	1.4	1.1	1.1

Table C2 – 24-hour Average PM₁₀ Predictions – Northern Site Configuration												
Receptor ID	Maximum Incremental 24-hour Average PM₁₀ Concentration (µg/m³)				Maximum Cumulative 24-hour Average PM₁₀ Concentration (µg/m³)				Number of Additional Exceedance Days Cumulative PM₁₀ >50µg/m³			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
1	0.5	0.5	0.7	0.5	98.6	98.8	98.9	98.8	0	0	0	0
2	1.9	0.4	0.7	0.4	98.6	98.7	98.8	98.8	0	0	0	0
3	1.0	0.5	0.7	0.5	98.6	98.6	98.8	98.8	0	0	0	0
4	1.1	0.8	0.9	0.5	98.6	98.7	98.8	98.9	0	0	0	0
5	1.0	0.3	0.5	0.3	98.6	98.6	98.6	98.6	0	0	0	0
6	1.3	0.6	0.7	0.4	98.6	98.6	98.7	98.7	0	0	0	0
7	0.2	0.2	0.4	0.1	98.6	98.6	98.6	98.6	0	0	0	0
8	0.2	0.1	0.1	0.1	98.6	98.6	98.6	98.6	0	0	0	0
9	0.2	0.2	0.2	0.2	98.6	98.6	98.6	98.6	0	0	0	0
10	0.1	0.1	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
11	0.7	0.2	0.5	0.2	98.6	98.6	98.6	98.6	0	0	0	0
12	0.8	0.2	0.3	0.2	98.6	98.6	98.7	98.7	0	0	0	0
13	0.7	0.3	0.3	0.2	98.6	98.6	98.7	98.7	0	0	0	0
14	0.7	0.5	0.4	0.3	98.6	98.6	98.7	98.7	0	0	0	0
15	0.2	0.1	0.2	0.2	98.6	98.6	98.6	98.6	0	0	0	0
16	0.2	0.1	0.1	0.1	98.5	98.6	98.6	98.6	0	0	0	0
17	0.9	0.3	0.5	0.2	98.6	98.6	98.7	98.7	0	0	0	0
18	0.3	0.2	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
19	0.2	0.2	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
20	0.1	0.1	0.1	0.1	98.6	98.6	98.6	98.6	0	0	0	0
21	0.2	0.1	0.1	0.1	98.6	98.6	98.6	98.6	0	0	0	0
22	0.6	0.2	0.3	0.1	98.6	98.6	98.6	98.6	0	0	0	0
23	0.4	0.2	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
24	0.6	0.2	0.3	0.2	98.6	98.6	98.6	98.6	0	0	0	0
25	1.3	0.5	0.7	0.3	98.6	98.6	98.7	98.7	0	0	0	0

Table C2 – 24-hour Average PM₁₀ Predictions – Northern Site Configuration												
Receptor ID	Maximum Incremental 24-hour Average PM₁₀ Concentration (µg/m³)				Maximum Cumulative 24-hour Average PM₁₀ Concentration (µg/m³)				Number of Additional Exceedance Days Cumulative PM₁₀ >50µg/m³			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
26	0.6	0.2	0.3	0.2	98.6	98.6	98.6	98.6	0	0	0	0
27	0.7	0.4	0.5	0.3	98.6	98.6	98.7	98.7	0	0	0	0
28	0.3	0.2	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
29	0.1	0.1	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
30	0.3	0.2	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
31	0.1	0.1	0.1	0.1	98.6	98.6	98.6	98.6	0	0	0	0
32	0.1	0.1	0.1	0.1	98.6	98.6	98.6	98.6	0	0	0	0
33	4.8	2.0	1.9	1.6	98.8	99.1	99.5	99.5	0	0	0	0
34	0.2	0.2	0.1	0.1	98.6	98.6	98.6	98.6	0	0	0	0
35	0.8	0.4	0.4	0.2	98.6	98.6	98.7	98.7	0	0	0	0
36	0.2	0.2	0.2	0.2	98.6	98.6	98.6	98.6	0	0	0	0
37	0.4	0.3	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
38	1.1	0.7	0.9	0.5	98.6	98.7	98.8	98.9	0	0	0	0
Boundary Maximum	8.5	4.1	5.5	2.0	99.1	99.3	99.9	99.7	1	1	0	0

Note: Grey shaded cell indicates exceedance of applicable criterion

Note: Maximum ambient 24-hour average PM₁₀ background concentration in exceedance of criterion due to bushfire event

Table C3 – Annual Average PM ₁₀ Predictions – Northern Site Configuration								
Receptor ID	Incremental Annual Average PM ₁₀ Concentration (µg/m ³)				Cumulative Annual Average PM ₁₀ Concentration (µg/m ³)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
1	0.1	0.2	0.4	0.2	20.5	20.6	20.8	20.6
2	0.2	0.1	0.2	0.2	20.6	20.5	20.6	20.6
3	0.1	0.1	0.2	0.2	20.5	20.5	20.6	20.6
4	0.1	0.1	0.2	0.2	20.5	20.5	20.6	20.6
5	0.1	<0.1	0.1	0.1	20.5	20.4	20.5	20.5
6	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
7	<0.1	<0.1	0.1	0.1	20.4	20.4	20.5	20.5
8	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
9	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
10	<0.1	<0.1	0.1	0.1	20.4	20.4	20.5	20.5
11	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
12	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
13	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
14	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
15	<0.1	<0.1	0.1	<0.1	20.4	20.4	20.5	20.4
16	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
17	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
18	<0.1	<0.1	0.1	0.1	20.4	20.4	20.5	20.5
19	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
20	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
21	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
22	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
23	<0.1	<0.1	0.1	<0.1	20.4	20.4	20.5	20.4
24	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
25	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
26	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
27	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5

Table C3 – Annual Average PM₁₀ Predictions – Northern Site Configuration								
Receptor ID	Incremental Annual Average PM₁₀ Concentration (µg/m³)				Cumulative Annual Average PM₁₀ Concentration (µg/m³)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
28	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
29	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
30	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
31	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
32	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
33	0.8	0.8	0.9	0.8	21.2	21.2	21.3	21.2
34	<0.1	<0.1	0.1	<0.1	20.4	20.4	20.5	20.4
35	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
36	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
37	<0.1	0.1	0.1	0.1	20.4	20.5	20.5	20.5
38	0.1	0.2	0.3	0.3	20.5	20.6	20.7	20.7
Boundary Maximum	1.4	1.1	1.3	1.0	21.8	21.5	21.7	21.4

Table C4 – 24-hour Average PM_{2.5} Predictions – Northern Site Configuration												
Receptor ID	Maximum Incremental 24-hour Average PM_{2.5} Concentration (µg/m³)				Maximum Cumulative 24-hour Average PM_{2.5} Concentration (µg/m³)				Number of Additional Exceedance Days Cumulative PM_{2.5} >25µg/m³			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
1	0.1	0.3	0.6	0.5	73.8	74.0	74.2	74.1	0	0	0	0
2	0.3	0.2	0.4	0.4	73.9	73.9	74.1	74.1	0	0	0	0
3	0.2	0.2	0.4	0.5	73.9	73.9	74.0	74.1	0	0	0	0
4	0.2	0.2	0.4	0.5	73.9	73.9	74.1	74.1	0	0	0	0
5	0.2	0.1	0.2	0.2	73.8	73.9	73.9	73.9	0	0	0	0
6	0.2	0.2	0.4	0.4	73.9	73.9	74.0	74.0	0	0	0	0
7	<0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
8	<0.1	<0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
9	<0.1	0.1	0.1	0.2	73.8	73.9	73.9	73.9	0	0	0	0
10	<0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
11	0.1	0.1	0.2	0.2	73.8	73.9	73.9	73.9	0	0	0	0
12	0.1	0.1	0.2	0.2	73.9	73.9	73.9	73.9	0	0	0	0
13	0.1	0.1	0.2	0.2	73.9	73.9	73.9	73.9	0	0	0	0
14	0.1	0.1	0.2	0.3	73.8	73.9	74.0	74.0	0	0	0	0
15	<0.1	0.1	0.1	0.2	73.8	73.9	73.9	73.9	0	0	0	0
16	<0.1	<0.1	0.1	0.1	73.8	73.8	73.9	73.9	0	0	0	0
17	0.1	0.1	0.2	0.2	73.8	73.9	73.9	73.9	0	0	0	0
18	0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
19	<0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
20	<0.1	<0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
21	<0.1	<0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
22	0.1	0.1	0.1	0.1	73.9	73.9	73.9	73.9	0	0	0	0
23	0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
24	0.1	0.1	0.2	0.2	73.8	73.9	73.9	73.9	0	0	0	0
25	0.2	0.1	0.3	0.3	73.9	73.9	74.0	74.0	0	0	0	0

Table C4 – 24-hour Average PM_{2.5} Predictions – Northern Site Configuration												
Receptor ID	Maximum Incremental 24-hour Average PM_{2.5} Concentration (µg/m³)				Maximum Cumulative 24-hour Average PM_{2.5} Concentration (µg/m³)				Number of Additional Exceedance Days Cumulative PM_{2.5} >25µg/m³			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
26	0.1	0.1	0.1	0.2	73.8	73.9	73.9	73.9	0	0	0	0
27	0.1	0.2	0.3	0.3	73.8	73.9	73.9	74.0	0	0	0	0
28	0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
29	<0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
30	0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
31	<0.1	<0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
32	<0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
33	0.8	1.0	1.7	1.5	73.9	74.3	74.8	74.7	0	0	0	0
34	<0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
35	0.1	0.1	0.2	0.2	73.8	73.9	74.0	74.0	0	0	0	0
36	<0.1	0.1	0.1	0.2	73.8	73.9	73.9	73.9	0	0	0	0
37	0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
38	0.2	0.2	0.4	0.5	73.9	73.9	74.1	74.2	0	0	0	0
Boundary Maximum	1.3	1.3	2.3	1.9	73.9	74.5	75.2	75.0	0	0	0	0

Note: Grey shaded cell indicates exceedance of applicable criterion.

Note: Maximum ambient 24-hour average PM_{2.5} background concentration in exceedance of criterion due to bushfire event

Table C5 – Annual Average PM _{2.5} Predictions – Northern Site Configuration								
Receptor ID	Incremental Annual Average PM _{2.5} Concentration (µg/m ³)				Cumulative Annual Average PM _{2.5} Concentration (µg/m ³)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
1	<0.1	0.2	0.3	0.2	7.6	7.8	7.9	7.8
2	<0.1	0.1	0.2	0.2	7.6	7.7	7.8	7.8
3	<0.1	0.1	0.2	0.2	7.6	7.7	7.8	7.8
4	<0.1	0.1	0.2	0.2	7.6	7.7	7.8	7.8
5	<0.1	<0.1	<0.1	0.1	7.6	7.6	7.6	7.7
6	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
7	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
8	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
9	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
10	<0.1	<0.1	<0.1	0.1	7.6	7.6	7.6	7.7
11	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
12	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
13	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
14	<0.1	0.1	0.1	0.1	7.6	7.7	7.7	7.7
15	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
16	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
17	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
18	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
19	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
20	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
21	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
22	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
23	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
24	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
25	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
26	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
27	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7

Table C5 – Annual Average PM_{2.5} Predictions – Northern Site Configuration								
Receptor ID	Incremental Annual Average PM_{2.5} Concentration (µg/m³)				Cumulative Annual Average PM_{2.5} Concentration (µg/m³)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
28	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
29	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
30	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
31	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
32	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
33	0.2	0.5	0.8	0.8	7.8	8.1	8.4	8.4
34	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
35	<0.1	0.1	0.1	0.1	7.6	7.7	7.7	7.7
36	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
37	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
38	<0.1	0.1	0.2	0.3	7.6	7.7	7.8	7.9
Boundary Maximum	0.3	0.6	1.1	1.0	7.9	8.2	8.7	8.6

Table C6 – Incremental 1-hour Average NO _x and Incremental and Cumulative 1-hour Average NO ₂ Predictions – Northern Site Configuration												
Receptor ID	Maximum Incremental 1-hour Average NO _x Concentration (µg/m ³)				Maximum Incremental 1-hour Average NO ₂ Concentration (µg/m ³)				Maximum Cumulative 1-hour Average NO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
1	8.9	93.0	91.0	42.0	8.9	66.2	64.7	35.6	114.8	131.8	130.1	119.4
2	11.7	41.2	44.9	36.6	10.1	36.0	37.6	31.9	114.8	119.1	119.6	118.9
3	10.6	29.4	40.3	44.4	9.5	25.9	39.6	43.3	114.8	114.8	118.9	119.1
4	12.4	28.5	58.9	60.7	12.4	25.1	54.7	58.2	114.8	114.8	114.8	114.8
5	9.5	22.0	32.7	32.0	9.5	18.6	30.9	30.9	114.8	114.8	114.8	114.8
6	12.1	28.8	41.1	41.4	11.1	21.3	40.2	40.7	114.8	114.8	114.8	114.8
7	7.1	14.7	27.3	27.9	7.1	14.7	25.3	25.3	114.8	114.8	114.8	114.8
8	5.8	9.7	20.0	21.4	5.8	9.7	20.0	21.4	114.8	114.8	114.8	114.8
9	7.3	18.0	31.2	32.1	7.3	18.0	31.2	31.6	114.8	114.8	114.8	114.8
10	4.5	8.0	10.9	11.2	4.5	8.0	10.9	11.2	114.8	114.8	114.8	114.8
11	7.7	17.4	25.5	25.2	4.7	9.2	16.3	15.7	114.8	114.8	114.8	114.8
12	6.0	15.2	21.4	20.6	4.7	9.1	12.1	12.2	114.8	114.8	114.8	114.8
13	6.4	12.5	19.0	17.9	5.2	9.1	11.9	11.8	114.8	114.8	114.8	114.8
14	7.6	17.9	22.9	20.6	6.9	15.2	18.2	17.5	114.8	114.8	114.8	114.8
15	8.0	12.4	24.8	26.8	8.0	12.4	24.8	26.8	114.8	114.8	114.8	114.8
16	6.6	12.5	22.8	23.7	6.6	12.5	22.8	23.7	114.8	114.8	114.8	114.8
17	7.9	14.3	29.1	27.8	4.7	9.2	15.7	15.2	114.8	114.8	114.8	114.8
18	10.2	23.8	27.1	28.0	9.2	21.4	24.5	25.8	114.8	114.8	114.8	114.8
19	10.2	24.1	36.0	38.8	10.2	18.4	35.1	38.1	114.8	114.8	114.8	114.8
20	4.6	7.6	19.9	20.5	4.6	7.6	18.7	20.5	114.8	114.8	114.8	114.8
21	7.6	12.0	20.5	21.2	7.6	12.0	19.0	19.7	114.8	114.8	114.8	114.8
22	5.9	15.1	19.7	19.0	4.6	9.0	10.1	10.2	114.8	114.8	114.8	114.8
23	5.1	10.3	15.3	15.9	4.6	6.7	11.5	11.5	114.8	114.8	114.8	114.8
24	7.1	15.3	29.5	29.7	7.1	14.5	28.1	28.7	114.8	114.8	114.8	114.8
25	12.1	25.9	38.2	38.8	12.1	20.8	36.7	36.7	114.8	114.8	114.8	114.8

Table C6 – Incremental 1-hour Average NO_x and Incremental and Cumulative 1-hour Average NO₂ Predictions – Northern Site Configuration												
Receptor ID	Maximum Incremental 1-hour Average NO_x Concentration (µg/m³)				Maximum Incremental 1-hour Average NO₂ Concentration (µg/m³)				Maximum Cumulative 1-hour Average NO₂ Concentration (µg/m³)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
26	7.7	15.1	27.0	27.4	7.5	15.1	26.8	27.2	114.8	114.8	114.8	114.8
27	11.6	26.4	48.2	49.0	11.6	26.4	44.4	45.5	114.8	114.8	114.8	114.8
28	6.6	14.3	26.1	26.5	6.6	13.9	25.6	26.0	114.8	114.8	114.8	114.8
29	4.6	10.6	19.3	20.4	4.6	10.6	19.3	20.4	114.8	114.8	114.8	114.8
30	4.5	8.5	15.9	16.7	4.5	8.5	15.0	14.0	114.8	114.8	114.8	114.8
31	2.6	7.4	9.9	9.0	2.6	7.4	9.9	9.0	114.8	114.8	114.8	114.8
32	4.0	9.7	13.9	13.4	4.0	9.7	13.7	13.4	114.8	114.8	114.8	114.8
33	65.2	105.6	124.6	110.8	43.7	47.6	68.1	67.4	114.8	119.7	133.7	133.0
34	8.0	15.6	24.4	23.0	8.0	15.6	24.4	23.0	114.8	114.8	114.8	114.8
35	6.4	13.2	18.8	18.3	5.3	10.5	18.8	17.7	114.8	114.8	114.8	114.8
36	6.4	14.7	28.6	30.0	6.4	14.7	27.9	29.7	114.8	114.8	114.8	114.8
37	4.6	9.9	14.9	14.9	4.0	9.9	14.0	14.8	114.8	114.8	114.8	114.8
38	10.1	24.7	36.6	43.6	7.9	19.8	32.2	39.0	114.8	114.8	119.0	119.5
Boundary Maximum	80.7	144.2	163.9	138.5	46.2	84.3	81.4	70.4	114.8	137.6	137.4	136.0

Note: NO₂ concentrations converted from NO_x predictions using the OLM approach

Table C7 – Incremental Annual Average NO _x and Incremental and Cumulative Annual Average NO ₂ Predictions – Northern Site Configuration												
Receptor ID	Incremental Annual Average NO _x Concentration (µg/m ³)				Incremental Annual Average NO ₂ Concentration (µg/m ³)				Incremental Annual Average NO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
1	0.2	26.2	24.4	9.5	0.2	12.7	11.9	5.6	22.9	35.4	34.5	28.3
2	0.3	7.6	9.4	7.1	0.3	4.5	5.2	4.1	23.0	27.2	27.9	26.8
3	0.3	4.2	7.2	7.8	0.3	2.7	4.2	4.5	23.0	25.4	26.9	27.2
4	0.3	2.7	5.8	7.1	0.2	1.9	3.5	4.1	22.9	24.6	26.2	26.8
5	0.1	0.8	1.6	1.9	0.1	0.7	1.3	1.5	22.8	23.4	24.0	24.2
6	0.1	1.1	2.4	2.8	0.1	0.9	1.7	2.0	22.8	23.6	24.4	24.7
7	0.1	0.9	1.9	2.3	0.1	0.7	1.3	1.5	22.8	23.3	24.0	24.2
8	<0.1	0.5	1.1	1.3	<0.1	0.4	0.8	0.9	22.7	23.1	23.5	23.6
9	<0.1	0.5	1.2	1.4	<0.1	0.4	0.8	0.9	22.7	23.1	23.5	23.6
10	0.1	0.7	1.6	1.9	0.1	0.5	1.1	1.2	22.7	23.2	23.7	23.9
11	0.1	1.1	2.4	2.7	0.1	0.8	1.6	1.7	22.8	23.5	24.2	24.4
12	0.2	1.3	2.9	3.0	0.1	0.9	1.8	1.9	22.8	23.6	24.5	24.5
13	0.2	1.3	2.9	2.9	0.1	0.9	1.8	1.8	22.8	23.6	24.5	24.5
14	0.2	2.2	4.4	4.4	0.2	1.5	2.7	2.7	22.9	24.2	25.4	25.4
15	0.1	0.6	1.4	1.7	0.1	0.5	1.0	1.1	22.7	23.2	23.7	23.8
16	<0.1	0.2	0.4	0.4	<0.1	0.1	0.3	0.3	22.7	22.8	23.0	23.0
17	0.2	1.3	2.9	3.1	0.1	0.9	1.8	1.9	22.8	23.6	24.5	24.6
18	0.1	1.2	2.0	2.0	0.1	0.9	1.4	1.3	22.8	23.6	24.1	24.0
19	<0.1	0.3	0.7	0.8	<0.1	0.3	0.5	0.6	22.7	22.9	23.2	23.3
20	<0.1	0.4	0.8	0.9	<0.1	0.3	0.6	0.6	22.7	23.0	23.3	23.3
21	<0.1	0.3	0.7	0.8	<0.1	0.2	0.5	0.6	22.7	22.9	23.2	23.3
22	0.1	1.0	2.3	2.4	0.1	0.7	1.5	1.5	22.8	23.4	24.1	24.2
23	0.1	0.8	1.6	1.7	0.1	0.6	1.1	1.1	22.8	23.3	23.8	23.8
24	0.1	0.5	0.9	1.1	0.1	0.4	0.7	0.8	22.7	23.1	23.4	23.5
25	0.1	1.1	2.3	2.7	0.1	0.9	1.7	2.0	22.8	23.6	24.4	24.7

Table C7 – Incremental Annual Average NO _x and Incremental and Cumulative Annual Average NO ₂ Predictions – Northern Site Configuration												
Receptor ID	Incremental Annual Average NO _x Concentration (µg/m ³)				Incremental Annual Average NO ₂ Concentration (µg/m ³)				Incremental Annual Average NO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
26	0.1	0.4	0.9	1.0	<0.1	0.4	0.7	0.8	22.7	23.1	23.4	23.4
27	0.1	1.4	2.8	3.0	0.1	1.1	1.9	2.0	22.8	23.8	24.6	24.7
28	0.1	0.5	1.0	1.1	0.1	0.4	0.8	0.8	22.7	23.1	23.4	23.5
29	<0.1	0.5	0.9	1.0	<0.1	0.4	0.7	0.7	22.7	23.1	23.4	23.4
30	0.1	0.8	1.4	1.3	0.1	0.6	1.0	0.9	22.7	23.3	23.7	23.6
31	<0.1	0.5	0.9	0.9	<0.1	0.4	0.7	0.7	22.7	23.1	23.3	23.3
32	<0.1	0.4	0.8	0.8	<0.1	0.3	0.6	0.6	22.7	23.0	23.3	23.3
33	2.6	12.6	29.0	26.3	2.0	7.2	11.1	10.4	24.7	29.9	33.8	33.1
34	0.1	0.6	1.3	1.6	0.1	0.5	0.9	1.1	22.7	23.2	23.6	23.8
35	0.2	1.7	3.7	3.7	0.2	1.2	2.3	2.3	22.9	23.9	25.0	25.0
36	<0.1	0.4	0.8	0.9	<0.1	0.3	0.6	0.7	22.7	23.0	23.3	23.4
37	0.1	1.0	2.1	2.2	0.1	0.8	1.4	1.4	22.8	23.5	24.1	24.1
38	0.3	3.4	7.4	9.1	0.2	2.3	4.3	5.1	22.9	25.0	27.0	27.8
Boundary Maximum	3.0	43.9	41.2	33.4	2.3	18.4	17.2	12.9	25.0	41.1	39.9	35.6

Note: NO₂ concentrations converted from NO_x predictions using the OLM approach

Table C8 – Incremental 1-hour, 24-hour and Annual Average SO ₂ Predictions – Northern Site Configuration												
Receptor ID	Maximum Incremental 1-hour Average SO ₂ Concentration (µg/m ³)				Maximum Incremental 24-hour Average SO ₂ Concentration (µg/m ³)				Incremental Annual Average SO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
1	<0.1	0.1	0.1	<0.1	<0.1	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2	<0.1	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4	<0.1	<0.1	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
11	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
15	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
16	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
17	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
18	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
19	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
20	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
21	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
22	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
23	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
24	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
25	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Table C8 – Incremental 1-hour, 24-hour and Annual Average SO ₂ Predictions – Northern Site Configuration												
Receptor ID	Maximum Incremental 1-hour Average SO ₂ Concentration (µg/m ³)				Maximum Incremental 24-hour Average SO ₂ Concentration (µg/m ³)				Incremental Annual Average SO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
26	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
27	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
28	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
29	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
30	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
31	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
32	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
33	0.1	0.1	0.1	0.1	<0.1	<0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
34	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
35	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
36	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
37	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
38	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boundary Maximum	0.1	0.2	0.2	0.1	<0.1	0.1	0.1	0.1	<0.1	0.1	0.1	<0.1

Table C9 – Cumulative 1-hour, 24-hour and Annual Average SO ₂ Predictions – Northern Site Configuration												
Receptor ID	Maximum Cumulative 1-hour Average SO ₂ Concentration (µg/m ³)				Maximum Cumulative 24-hour Average SO ₂ Concentration (µg/m ³)				Cumulative Annual Average SO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
1	34.3	34.4	34.4	34.4	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
2	34.3	34.4	34.4	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
3	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
4	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
5	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
6	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
7	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
8	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
9	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
10	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
11	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
12	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
13	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
14	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
15	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
16	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
17	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
18	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
19	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
20	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
21	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
22	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
23	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
24	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
25	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9

Table C9 – Cumulative 1-hour, 24-hour and Annual Average SO ₂ Predictions – Northern Site Configuration												
Receptor ID	Maximum Cumulative 1-hour Average SO ₂ Concentration (µg/m ³)				Maximum Cumulative 24-hour Average SO ₂ Concentration (µg/m ³)				Cumulative Annual Average SO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
26	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
27	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
28	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
29	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
30	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
31	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
32	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
33	34.3	34.4	34.4	34.4	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
34	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
35	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
36	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
37	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
38	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
Boundary Maximum	34.3	34.5	34.5	34.4	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9

Table C10 – Incremental 1-hour and 8-hour Average CO Predictions – Northern Site Configuration								
Receptor ID	Incremental 1-hour Average CO Concentration (µg/m ³)				Incremental 8-hour Average CO Concentration (µg/m ³)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
1	3.4	15.1	28.6	32.5	0.8	10.1	19.8	20.2
2	4.4	9.8	25.9	34.8	0.9	5.6	17.2	23.0
3	4.0	10.9	34.9	50.8	0.8	5.2	20.4	31.1
4	4.7	16.9	56.4	73.3	0.9	8.4	31.8	43.3
5	3.6	14.3	33.6	40.3	0.7	4.3	13.7	18.9
6	4.6	17.6	42.2	51.8	0.9	7.2	24.3	33.1
7	2.7	9.6	26.8	33.9	0.4	2.1	6.5	8.7
8	2.2	5.0	18.0	24.5	0.3	2.1	8.5	12.0
9	2.8	10.3	28.7	36.3	0.5	3.7	12.8	15.5
10	1.7	4.6	10.6	12.1	0.2	1.6	4.9	7.0
11	2.9	11.9	25.9	30.8	0.4	2.8	7.9	10.4
12	2.3	7.9	21.5	25.4	0.5	2.9	10.1	12.5
13	2.4	8.1	19.3	21.6	0.5	2.7	9.4	11.6
14	2.9	6.9	23.0	24.7	0.5	3.4	14.7	18.2
15	3.0	6.1	22.4	30.9	0.4	2.7	11.1	15.8
16	2.5	6.4	22.2	27.0	0.4	1.5	6.6	9.4
17	3.0	10.6	29.5	34.7	0.4	3.2	9.9	12.8
18	3.8	9.7	25.5	31.3	0.5	1.9	6.6	8.0
19	3.8	11.4	33.6	43.9	0.5	2.9	9.1	11.3
20	1.7	5.0	18.1	23.5	0.3	1.8	7.7	11.2
21	2.9	8.1	19.2	24.6	0.4	1.7	6.6	8.7
22	2.2	8.1	19.8	23.0	0.4	2.4	8.3	10.4
23	1.9	5.2	14.5	18.9	0.4	1.7	5.6	7.1
24	2.7	9.8	29.8	36.7	0.5	4.1	13.7	17.2
25	4.6	16.2	39.3	48.4	0.8	6.1	21.6	27.2
26	2.9	8.6	27.5	33.9	0.5	3.0	11.8	15.9
27	4.4	16.1	47.5	59.7	0.9	6.0	20.6	29.8

Table C10 – Incremental 1-hour and 8-hour Average CO Predictions – Northern Site Configuration								
Receptor ID	Incremental 1-hour Average CO Concentration (µg/m³)				Incremental 8-hour Average CO Concentration (µg/m³)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
28	2.5	9.3	25.8	32.4	0.3	2.7	9.2	13.2
29	1.8	5.8	18.0	24.0	0.3	1.6	6.3	8.6
30	1.7	3.9	15.6	17.1	0.5	1.3	5.0	5.9
31	1.0	2.8	7.9	10.3	0.2	1.0	3.9	5.0
32	1.5	3.8	15.3	17.1	0.2	1.3	6.2	7.2
33	24.6	55.2	129.6	133.5	4.8	29.4	105.5	109.5
34	3.0	10.8	24.6	27.0	0.4	2.0	5.4	6.7
35	2.4	7.1	19.0	22.2	0.4	3.2	11.8	14.3
36	2.4	7.8	26.9	34.5	0.5	3.1	13.0	18.0
37	1.7	6.1	15.1	17.6	0.3	1.9	6.9	8.5
38	3.8	11.6	31.7	48.5	0.7	5.7	20.6	33.1
Boundary Maximum	30.4	73.9	188.9	181.9	6.1	48.6	152.7	147.7

Table C11 – Cumulative 1-hour and 8-hour Average CO Predictions – Northern Site Configuration								
Receptor ID	Cumulative 1-hour Average CO Concentration ($\mu\text{g}/\text{m}^3$)				Cumulative 8-hour Average CO Concentration ($\mu\text{g}/\text{m}^3$)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
1	5,000.0	5,000.0	5,000.0	5,000.0	2,062.3	2,065.4	2,068.5	2,068.4
2	5,000.0	5,000.0	5,000.0	5,000.0	2,062.4	2,063.9	2,067.6	2,069.3
3	5,000.0	5,000.0	5,000.0	5,000.0	2,062.4	2,063.7	2,068.1	2,071.1
4	5,000.0	5,000.0	5,000.0	5,000.0	2,062.3	2,063.5	2,067.4	2,070.2
5	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.4	2,063.1	2,063.5
6	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.6	2,063.8	2,064.5
7	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.7	2,064.0	2,064.9
8	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.5	2,063.3	2,063.7
9	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.5	2,063.4	2,064.0
10	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.6	2,063.8	2,064.5
11	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,063.0	2,064.8	2,065.7
12	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,063.2	2,065.7	2,066.4
13	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,063.1	2,065.5	2,066.3
14	5,000.0	5,000.0	5,000.0	5,000.0	2,062.3	2,063.1	2,066.1	2,066.9
15	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.6	2,063.6	2,064.3
16	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.2	2,062.5	2,062.8
17	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,063.1	2,065.3	2,066.3
18	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.6	2,064.0	2,064.4
19	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.9	2,063.2
20	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.9	2,063.2
21	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.8	2,063.0
22	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,063.0	2,064.9	2,065.5
23	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.7	2,064.2	2,064.7
24	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.8	2,063.0
25	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.5	2,063.6	2,064.3
26	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.7	2,062.9
27	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.6	2,064.1	2,065.0

Table C11 – Cumulative 1-hour and 8-hour Average CO Predictions – Northern Site Configuration								
Receptor ID	Cumulative 1-hour Average CO Concentration ($\mu\text{g}/\text{m}^3$)				Cumulative 8-hour Average CO Concentration ($\mu\text{g}/\text{m}^3$)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
28	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.9	2,063.2
29	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.9	2,063.1
30	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.4	2,063.4	2,063.7
31	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.9	2,063.1
32	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.8	2,063.0
33	5,000.0	5,000.0	5,000.0	5,000.0	2,064.0	2,071.9	2,095.7	2,097.4
34	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.5	2,063.5	2,064.0
35	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,063.0	2,065.7	2,066.7
36	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.9	2,063.3
37	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.6	2,063.9	2,064.4
38	5,000.0	5,000.0	5,000.0	5,000.0	2,062.4	2,064.1	2,069.1	2,073.3
Boundary Maximum	5,000.0	5,000.0	5,000.0	5,000.0	2,064.5	2,078.9	2,112.4	2,111.2

Table C12 – Incremental 99.9 th Percentile 1-hour Average Benzene, Toluene and Xylenes Predictions – Northern Site Configuration												
Receptor ID	99.9 th Percentile Incremental 1-hour Average Benzene Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Toluene Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Xylenes Concentration (µg/m ³)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
1	0.001	0.007	0.014	0.025	<0.001	0.002	0.005	0.009	<0.001	0.003	0.006	0.010
2	0.001	0.004	0.012	0.020	<0.001	0.001	0.004	0.007	<0.001	0.002	0.005	0.009
3	0.001	0.004	0.019	0.030	<0.001	0.002	0.007	0.010	<0.001	0.002	0.008	0.013
4	0.001	0.008	0.032	0.041	<0.001	0.003	0.011	0.015	<0.001	0.003	0.013	0.018
5	0.001	0.005	0.018	0.022	<0.001	0.002	0.006	0.008	<0.001	0.002	0.008	0.009
6	0.001	0.006	0.023	0.029	<0.001	0.002	0.008	0.010	<0.001	0.003	0.010	0.012
7	<0.001	0.001	0.005	0.007	<0.001	0.001	0.002	0.002	<0.001	0.001	0.002	0.003
8	<0.001	0.002	0.009	0.013	<0.001	0.001	0.003	0.005	<0.001	0.001	0.004	0.006
9	<0.001	0.003	0.015	0.019	<0.001	0.001	0.005	0.007	<0.001	0.001	0.006	0.008
10	<0.001	0.001	0.005	0.006	<0.001	<0.001	0.002	0.002	<0.001	0.001	0.002	0.003
11	<0.001	0.002	0.007	0.009	<0.001	0.001	0.003	0.003	<0.001	0.001	0.003	0.004
12	<0.001	0.002	0.008	0.010	<0.001	0.001	0.003	0.003	<0.001	0.001	0.003	0.004
13	<0.001	0.002	0.008	0.009	<0.001	0.001	0.003	0.003	<0.001	0.001	0.003	0.004
14	0.001	0.002	0.010	0.012	<0.001	0.001	0.003	0.004	<0.001	0.001	0.004	0.005
15	<0.001	0.003	0.011	0.016	<0.001	0.001	0.004	0.006	<0.001	0.001	0.005	0.007
16	<0.001	0.002	0.010	0.012	<0.001	0.001	0.003	0.004	<0.001	0.001	0.004	0.005
17	<0.001	0.003	0.009	0.011	<0.001	0.001	0.003	0.004	<0.001	0.001	0.004	0.005
18	<0.001	0.001	0.006	0.008	<0.001	<0.001	0.002	0.003	<0.001	0.001	0.003	0.003
19	<0.001	0.004	0.017	0.021	<0.001	0.002	0.006	0.007	<0.001	0.002	0.007	0.009
20	<0.001	0.002	0.009	0.012	<0.001	0.001	0.003	0.004	<0.001	0.001	0.004	0.005
21	<0.001	0.003	0.010	0.013	<0.001	0.001	0.003	0.004	<0.001	0.001	0.004	0.005
22	<0.001	0.002	0.007	0.008	<0.001	0.001	0.002	0.003	<0.001	0.001	0.003	0.004
23	<0.001	0.002	0.006	0.007	<0.001	0.001	0.002	0.002	<0.001	0.001	0.002	0.003
24	<0.001	0.004	0.016	0.020	<0.001	0.002	0.006	0.007	<0.001	0.002	0.007	0.009
25	0.001	0.006	0.022	0.026	<0.001	0.002	0.008	0.009	<0.001	0.003	0.009	0.011

Table C12 – Incremental 99.9 th Percentile 1-hour Average Benzene, Toluene and Xylenes Predictions – Northern Site Configuration												
Receptor ID	99.9 th Percentile Incremental 1-hour Average Benzene Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Toluene Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Xylenes Concentration (µg/m ³)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
26	<0.001	0.004	0.015	0.018	<0.001	0.001	0.005	0.006	<0.001	0.002	0.006	0.008
27	0.001	0.007	0.026	0.033	<0.001	0.002	0.009	0.012	<0.001	0.003	0.011	0.014
28	<0.001	0.004	0.014	0.018	<0.001	0.001	0.005	0.006	<0.001	0.002	0.006	0.007
29	<0.001	0.002	0.009	0.012	<0.001	0.001	0.003	0.004	<0.001	0.001	0.004	0.005
30	<0.001	0.001	0.005	0.007	<0.001	<0.001	0.002	0.002	<0.001	<0.001	0.002	0.003
31	<0.001	0.001	0.004	0.006	<0.001	<0.001	0.001	0.002	<0.001	<0.001	0.002	0.002
32	<0.001	0.001	0.007	0.008	<0.001	<0.001	0.002	0.003	<0.001	<0.001	0.003	0.003
33	0.005	0.019	0.070	0.074	0.002	0.007	0.025	0.026	0.002	0.008	0.030	0.032
34	<0.001	0.001	0.005	0.006	<0.001	<0.001	0.002	0.002	<0.001	0.001	0.002	0.003
35	<0.001	0.002	0.009	0.011	<0.001	0.001	0.003	0.004	<0.001	0.001	0.004	0.005
36	<0.001	0.003	0.014	0.018	<0.001	0.001	0.005	0.006	<0.001	0.001	0.006	0.007
37	<0.001	0.001	0.005	0.007	<0.001	<0.001	0.002	0.003	<0.001	0.001	0.002	0.003
38	0.001	0.004	0.016	0.025	<0.001	0.001	0.006	0.009	<0.001	0.002	0.007	0.011
Boundary Maximum	0.006	0.030	0.105	0.103	0.002	0.010	0.037	0.036	0.003	0.013	0.045	0.044

Table C13 – Incremental 99.9 th Percentile 1-hour Average 1,3-butadiene, Formaldehyde and Acetaldehyde Predictions – Northern Site Configuration												
Receptor ID	99.9 th Percentile Incremental 1-hour Average 1,3-butadiene Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Formaldehyde Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Acetaldehyde Concentration (µg/m ³)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
1	<0.001	0.001	0.002	0.003	0.006	0.057	0.115	0.209	0.001	0.009	0.019	0.035
2	<0.001	<0.001	0.001	0.002	0.007	0.031	0.103	0.172	0.001	0.005	0.017	0.029
3	<0.001	0.001	0.002	0.003	0.007	0.037	0.165	0.252	0.001	0.006	0.027	0.042
4	<0.001	0.001	0.004	0.005	0.008	0.065	0.269	0.352	0.001	0.011	0.045	0.059
5	<0.001	0.001	0.002	0.003	0.006	0.044	0.154	0.187	0.001	0.007	0.026	0.031
6	<0.001	0.001	0.003	0.003	0.007	0.055	0.200	0.244	0.001	0.009	0.033	0.041
7	<0.001	<0.001	0.001	0.001	0.002	0.012	0.044	0.058	<0.001	0.002	0.007	0.010
8	<0.001	<0.001	0.001	0.002	0.002	0.017	0.078	0.111	<0.001	0.003	0.013	0.019
9	<0.001	<0.001	0.002	0.002	0.002	0.029	0.124	0.164	<0.001	0.005	0.021	0.027
10	<0.001	<0.001	0.001	0.001	0.002	0.011	0.042	0.055	<0.001	0.002	0.007	0.009
11	<0.001	<0.001	0.001	0.001	0.003	0.018	0.061	0.076	0.001	0.003	0.010	0.013
12	<0.001	<0.001	0.001	0.001	0.004	0.019	0.065	0.084	0.001	0.003	0.011	0.014
13	<0.001	<0.001	0.001	0.001	0.003	0.020	0.067	0.079	0.001	0.003	0.011	0.013
14	<0.001	<0.001	0.001	0.001	0.005	0.019	0.081	0.105	0.001	0.003	0.014	0.018
15	<0.001	<0.001	0.001	0.002	0.002	0.022	0.097	0.140	<0.001	0.004	0.016	0.023
16	<0.001	<0.001	0.001	0.001	0.002	0.018	0.084	0.103	<0.001	0.003	0.014	0.017
17	<0.001	<0.001	0.001	0.001	0.004	0.023	0.074	0.091	0.001	0.004	0.012	0.015
18	<0.001	<0.001	0.001	0.001	0.003	0.012	0.055	0.066	<0.001	0.002	0.009	0.011
19	<0.001	0.001	0.002	0.002	0.003	0.037	0.146	0.178	<0.001	0.006	0.024	0.030
20	<0.001	<0.001	0.001	0.001	0.001	0.018	0.074	0.105	<0.001	0.003	0.012	0.017
21	<0.001	<0.001	0.001	0.001	0.002	0.022	0.084	0.108	<0.001	0.004	0.014	0.018
22	<0.001	<0.001	0.001	0.001	0.003	0.016	0.057	0.072	<0.001	0.003	0.009	0.012
23	<0.001	<0.001	0.001	0.001	0.003	0.017	0.049	0.060	<0.001	0.003	0.008	0.010
24	<0.001	<0.001	0.002	0.002	0.003	0.036	0.139	0.172	0.001	0.006	0.023	0.029
25	<0.001	0.001	0.003	0.003	0.007	0.052	0.184	0.224	0.001	0.009	0.031	0.037

Table C13 – Incremental 99.9 th Percentile 1-hour Average 1,3-butadiene, Formaldehyde and Acetaldehyde Predictions – Northern Site Configuration												
Receptor ID	99.9 th Percentile Incremental 1-hour Average 1,3-butadiene Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Formaldehyde Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Acetaldehyde Concentration (µg/m ³)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
26	<0.001	<0.001	0.002	0.002	0.003	0.034	0.126	0.156	0.001	0.006	0.021	0.026
27	<0.001	0.001	0.003	0.004	0.006	0.059	0.220	0.279	0.001	0.010	0.037	0.047
28	<0.001	<0.001	0.002	0.002	0.004	0.032	0.118	0.149	0.001	0.005	0.020	0.025
29	<0.001	<0.001	0.001	0.001	0.002	0.021	0.078	0.103	<0.001	0.003	0.013	0.017
30	<0.001	<0.001	0.001	0.001	0.002	0.009	0.043	0.055	<0.001	0.002	0.007	0.009
31	<0.001	<0.001	<0.001	0.001	0.001	0.009	0.036	0.047	<0.001	0.001	0.006	0.008
32	<0.001	<0.001	0.001	0.001	0.002	0.010	0.060	0.070	<0.001	0.002	0.010	0.012
33	0.001	0.002	0.008	0.009	0.043	0.159	0.599	0.630	0.007	0.026	0.100	0.105
34	<0.001	<0.001	0.001	0.001	0.001	0.012	0.046	0.053	<0.001	0.002	0.008	0.009
35	<0.001	<0.001	0.001	0.001	0.004	0.020	0.075	0.093	0.001	0.003	0.012	0.015
36	<0.001	<0.001	0.002	0.002	0.002	0.028	0.117	0.150	<0.001	0.005	0.019	0.025
37	<0.001	<0.001	0.001	0.001	0.003	0.011	0.045	0.062	<0.001	0.002	0.007	0.010
38	<0.001	<0.001	0.002	0.003	0.006	0.032	0.135	0.216	0.001	0.005	0.022	0.036
Boundary Maximum	0.001	0.003	0.012	0.012	0.054	0.253	0.896	0.876	0.009	0.042	0.149	0.146

Table C14 – Incremental 99.9 th Percentile 1-hour and Annual Average PAHs Predictions – Northern Site Configuration								
Receptor ID	Incremental 99.9 th Percentile 1-hour Average PAHs Concentration (µg/m ³)				Incremental Annual Average PAHs Concentration (µg/m ³)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
1	0.003	0.008	0.005	0.003	<0.001	0.002	0.001	0.001
2	0.004	0.006	0.003	0.003	<0.001	0.001	0.001	0.001
3	0.004	0.006	0.003	0.003	<0.001	0.001	0.001	0.001
4	0.005	0.008	0.005	0.004	<0.001	0.001	0.001	0.001
5	0.003	0.005	0.002	0.002	<0.001	<0.001	<0.001	<0.001
6	0.004	0.006	0.003	0.003	<0.001	<0.001	<0.001	<0.001
7	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
8	0.001	0.002	0.002	0.002	<0.001	<0.001	<0.001	<0.001
9	0.001	0.003	0.002	0.002	<0.001	<0.001	<0.001	<0.001
10	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
11	0.002	0.003	0.001	0.001	<0.001	<0.001	<0.001	<0.001
12	0.002	0.003	0.001	0.001	<0.001	<0.001	<0.001	<0.001
13	0.002	0.003	0.001	0.001	<0.001	<0.001	<0.001	<0.001
14	0.003	0.004	0.002	0.002	<0.001	<0.001	<0.001	<0.001
15	0.001	0.002	0.002	0.002	<0.001	<0.001	<0.001	<0.001
16	0.001	0.002	0.002	0.002	<0.001	<0.001	<0.001	<0.001
17	0.002	0.003	0.001	0.001	<0.001	<0.001	<0.001	<0.001
18	0.002	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
19	0.002	0.003	0.003	0.003	<0.001	<0.001	<0.001	<0.001
20	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
21	0.001	0.002	0.002	0.001	<0.001	<0.001	<0.001	<0.001
22	0.002	0.003	0.001	0.001	<0.001	<0.001	<0.001	<0.001
23	0.002	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
24	0.002	0.003	0.002	0.002	<0.001	<0.001	<0.001	<0.001
25	0.004	0.007	0.003	0.003	<0.001	<0.001	<0.001	<0.001
26	0.002	0.003	0.002	0.002	<0.001	<0.001	<0.001	<0.001
27	0.004	0.007	0.004	0.004	<0.001	<0.001	<0.001	<0.001

Table C14 – Incremental 99.9 th Percentile 1-hour and Annual Average PAHs Predictions – Northern Site Configuration								
Receptor ID	Incremental 99.9 th Percentile 1-hour Average PAHs Concentration (µg/m ³)				Incremental Annual Average PAHs Concentration (µg/m ³)			
	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10	Phase A – Scenario 1	Phase B– Scenario 4	Phase C– Scenario 7	Full Build– Scenario 10
28	0.002	0.004	0.002	0.002	<0.001	<0.001	<0.001	<0.001
29	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
30	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
31	0.001	0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001
32	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
33	0.025	0.034	0.011	0.009	0.001	0.004	0.003	0.002
34	0.001	0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001
35	0.002	0.004	0.001	0.001	<0.001	<0.001	<0.001	<0.001
36	0.001	0.003	0.002	0.002	<0.001	<0.001	<0.001	<0.001
37	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
38	0.004	0.006	0.003	0.003	<0.001	0.001	0.001	0.001
Boundary Maximum	0.031	0.040	0.013	0.014	0.001	0.005	0.003	0.004

Table C15 – TSP and Dust Deposition Predictions – Central Site Configuration												
Receptor ID	Incremental Annual Average TSP ($\mu\text{g}/\text{m}^3$)			Cumulative Annual Average TSP ($\mu\text{g}/\text{m}^3$)			Incremental Annual Average Dust Deposition ($\text{g}/\text{m}^2/\text{month}$)			Cumulative Annual Average Dust Deposition ($\text{g}/\text{m}^2/\text{month}$)		
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8
1	0.2	0.1	0.3	42.8	42.7	42.9	<0.1	<0.1	<0.1	0.8	0.8	0.8
2	0.3	0.2	0.3	42.9	42.8	42.9	<0.1	<0.1	<0.1	0.8	0.8	0.8
3	0.5	0.2	0.5	43.1	42.8	43.1	<0.1	<0.1	<0.1	0.8	0.8	0.8
4	0.5	0.3	0.5	43.1	42.9	43.1	<0.1	<0.1	<0.1	0.8	0.8	0.8
5	0.3	0.1	0.2	42.9	42.7	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
6	0.4	0.2	0.3	43.0	42.8	42.9	<0.1	<0.1	<0.1	0.8	0.8	0.8
7	0.2	0.1	0.1	42.8	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
8	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
9	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
10	0.2	0.1	0.1	42.8	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
11	0.2	0.2	0.2	42.8	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
12	0.3	0.2	0.2	42.9	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
13	0.2	0.2	0.2	42.8	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
14	0.3	0.2	0.3	42.9	42.8	42.9	<0.1	<0.1	<0.1	0.8	0.8	0.8
15	0.2	0.1	0.1	42.8	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
16	<0.1	<0.1	<0.1	42.6	42.6	42.6	<0.1	<0.1	<0.1	0.8	0.8	0.8
17	0.3	0.2	0.2	42.9	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
18	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
19	0.1	<0.1	0.1	42.7	42.6	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
20	0.1	<0.1	0.1	42.7	42.6	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
21	0.1	<0.1	<0.1	42.7	42.6	42.6	<0.1	<0.1	<0.1	0.8	0.8	0.8
22	0.2	0.2	0.2	42.8	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
23	0.2	0.1	0.1	42.8	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
24	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
25	0.4	0.2	0.2	43.0	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8

Table C15 – TSP and Dust Deposition Predictions – Central Site Configuration												
Receptor ID	Incremental Annual Average TSP ($\mu\text{g}/\text{m}^3$)			Cumulative Annual Average TSP ($\mu\text{g}/\text{m}^3$)			Incremental Annual Average Dust Deposition ($\text{g}/\text{m}^2/\text{month}$)			Cumulative Annual Average Dust Deposition ($\text{g}/\text{m}^2/\text{month}$)		
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8
26	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
27	0.2	0.1	0.2	42.8	42.7	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
28	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
29	0.1	<0.1	0.1	42.7	42.6	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
30	0.1	<0.1	0.1	42.7	42.6	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
31	0.1	<0.1	<0.1	42.7	42.6	42.6	<0.1	<0.1	<0.1	0.8	0.8	0.8
32	<0.1	<0.1	<0.1	42.6	42.6	42.6	<0.1	<0.1	<0.1	0.8	0.8	0.8
33	2.1	1.2	1.3	44.7	43.8	43.9	0.2	0.1	0.1	1.0	0.9	0.9
34	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
35	0.3	0.2	0.2	42.9	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
36	0.1	<0.1	0.1	42.7	42.6	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
37	0.2	0.1	0.1	42.8	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
38	0.6	0.4	0.6	43.2	43.0	43.2	<0.1	<0.1	<0.1	0.8	0.8	0.8
Boundary Maximum	4.4	4.3	2.4	47.0	46.9	45.0	0.5	0.6	0.2	1.3	1.4	1.0

Table C16 – 24-hour Average PM₁₀ Predictions – Central Site Configuration												
Receptor ID	Maximum Incremental 24-hour Average PM₁₀ Concentration (µg/m³)				Maximum Cumulative 24-hour Average PM₁₀ Concentration (µg/m³)				Number of Additional Exceedance Days Cumulative PM₁₀ >50µg/m³			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
1	0.4	0.2	0.4	0.3	98.6	98.6	98.7	98.7	0	0	0	0
2	0.5	0.3	0.6	0.4	98.6	98.6	98.7	98.8	0	0	0	0
3	0.9	0.4	0.7	0.6	98.6	98.7	98.8	98.9	0	0	0	0
4	1.0	0.7	1.0	0.5	98.6	98.7	98.9	98.9	0	0	0	0
5	1.0	0.7	0.8	0.3	98.6	98.6	98.7	98.6	0	0	0	0
6	1.0	1.4	0.8	0.4	98.6	98.6	98.7	98.7	0	0	0	0
7	0.4	0.3	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
8	0.2	0.2	0.1	0.1	98.6	98.6	98.6	98.6	0	0	0	0
9	0.3	0.2	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
10	0.2	0.1	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
11	0.5	0.8	0.3	0.2	98.6	98.6	98.7	98.6	0	0	0	0
12	0.5	0.7	0.3	0.2	98.6	98.6	98.7	98.6	0	0	0	0
13	0.5	0.6	0.3	0.2	98.6	98.6	98.7	98.6	0	0	0	0
14	0.8	0.3	0.4	0.3	98.6	98.6	98.7	98.7	0	0	0	0
15	0.2	0.2	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
16	0.2	0.1	0.1	0.1	98.6	98.6	98.6	98.6	0	0	0	0
17	0.5	0.9	0.4	0.2	98.6	98.6	98.7	98.6	0	0	0	0
18	0.3	0.1	0.2	0.2	98.6	98.6	98.6	98.6	0	0	0	0
19	0.3	0.2	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
20	0.2	0.2	0.1	0.1	98.6	98.6	98.6	98.6	0	0	0	0
21	0.2	0.1	0.1	0.1	98.6	98.6	98.6	98.6	0	0	0	0
22	0.4	0.6	0.3	0.1	98.6	98.6	98.6	98.6	0	0	0	0
23	0.3	0.4	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
24	0.4	0.6	0.3	0.3	98.6	98.6	98.6	98.6	0	0	0	0
25	1.2	1.3	1.1	0.4	98.6	98.6	98.7	98.7	0	0	0	0

Table C16 – 24-hour Average PM₁₀ Predictions – Central Site Configuration												
Receptor ID	Maximum Incremental 24-hour Average PM₁₀ Concentration (µg/m³)				Maximum Cumulative 24-hour Average PM₁₀ Concentration (µg/m³)				Number of Additional Exceedance Days Cumulative PM₁₀ >50µg/m³			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
26	0.5	0.5	0.3	0.2	98.6	98.6	98.6	98.6	0	0	0	0
27	0.7	0.5	0.6	0.3	98.6	98.6	98.7	98.7	0	0	0	0
28	0.3	0.1	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
29	0.2	0.1	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
30	0.2	0.2	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
31	0.1	0.1	0.1	0.1	98.6	98.6	98.6	98.6	0	0	0	0
32	0.1	0.1	0.1	0.1	98.6	98.6	98.6	98.6	0	0	0	0
33	3.1	1.8	2.1	1.6	98.8	99.3	99.7	99.5	0	0	0	0
34	0.2	0.2	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
35	0.5	0.6	0.3	0.2	98.6	98.6	98.7	98.7	0	0	0	0
36	0.3	0.2	0.2	0.2	98.6	98.6	98.6	98.6	0	0	0	0
37	0.4	0.3	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
38	0.9	0.7	1.0	0.6	98.6	98.7	98.9	98.9	0	0	0	0
Boundary Maximum	5.6	10.0	3.5	2.1	99.4	99.6	10<0.1	99.8	1	1	0	0

Note: Grey shaded cell indicates exceedance of applicable criterion

Note: Maximum ambient 24-hour average PM₁₀ background concentration in exceedance of criterion due to bushfire event

Table C17 – Annual Average PM ₁₀ Predictions – Central Site Configuration								
Receptor ID	Incremental Annual Average PM ₁₀ Concentration (µg/m ³)				Cumulative Annual Average PM ₁₀ Concentration (µg/m ³)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
1	0.1	0.1	0.1	0.2	20.5	20.5	20.5	20.6
2	0.1	0.1	0.2	0.2	20.5	20.5	20.6	20.6
3	0.1	0.1	0.2	0.3	20.5	20.5	20.6	20.7
4	0.1	0.1	0.3	0.2	20.5	20.5	20.7	20.6
5	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
6	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
7	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
8	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
9	<0.1	<0.1	0.1	<0.1	20.4	20.4	20.5	20.4
10	<0.1	<0.1	0.1	0.1	20.4	20.4	20.5	20.5
11	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
12	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
13	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
14	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
15	<0.1	<0.1	0.1	<0.1	20.4	20.4	20.5	20.4
16	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
17	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
18	<0.1	<0.1	0.1	0.1	20.4	20.4	20.5	20.5
19	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
20	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
21	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
22	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
23	<0.1	<0.1	0.1	<0.1	20.4	20.4	20.5	20.4
24	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
25	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
26	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
27	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5

Table C17 – Annual Average PM ₁₀ Predictions – Central Site Configuration								
Receptor ID	Incremental Annual Average PM ₁₀ Concentration (µg/m ³)				Cumulative Annual Average PM ₁₀ Concentration (µg/m ³)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
28	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
29	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
30	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
31	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
32	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
33	0.6	0.8	1.1	0.8	21.0	21.2	21.5	21.2
34	<0.1	<0.1	0.1	<0.1	20.4	20.4	20.5	20.4
35	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
36	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
37	<0.1	<0.1	0.1	0.1	20.4	20.4	20.5	20.5
38	0.2	0.2	0.3	0.3	20.6	20.6	20.7	20.7
Boundary Maximum	1.2	1.5	1.4	1.1	21.6	21.9	21.8	21.5

Table C18 – 24-hour Average PM_{2.5} Predictions – Central Site Configuration												
Receptor ID	Maximum Incremental 24-hour Average PM_{2.5} Concentration (µg/m³)				Maximum Cumulative 24-hour Average PM_{2.5} Concentration (µg/m³)				Number of Additional Exceedance Days Cumulative PM_{2.5} >25µg/m³			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
1	0.1	0.1	0.2	0.3	73.8	73.9	73.9	74.0	0	0	0	0
2	0.1	0.1	0.3	0.4	73.8	73.9	74.0	74.1	0	0	0	0
3	0.1	0.2	0.4	0.6	73.9	73.9	74.0	74.2	0	0	0	0
4	0.1	0.2	0.4	0.5	73.9	73.9	74.1	74.2	0	0	0	0
5	0.1	0.1	0.3	0.3	73.9	73.9	73.9	73.9	0	0	0	0
6	0.2	0.2	0.4	0.4	73.9	73.9	74.0	74.0	0	0	0	0
7	0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
8	<0.1	<0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
9	0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
10	<0.1	<0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
11	0.1	0.1	0.2	0.2	73.9	73.9	73.9	73.9	0	0	0	0
12	0.1	0.1	0.2	0.2	73.9	73.9	73.9	73.9	0	0	0	0
13	0.1	0.1	0.2	0.2	73.9	73.9	73.9	73.9	0	0	0	0
14	0.1	0.1	0.2	0.3	73.8	73.9	74.0	74.0	0	0	0	0
15	<0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
16	<0.1	<0.1	0.1	0.1	73.8	73.8	73.9	73.9	0	0	0	0
17	0.1	0.2	0.2	0.2	73.9	73.9	73.9	73.9	0	0	0	0
18	0.1	0.1	0.1	0.2	73.8	73.9	73.9	73.9	0	0	0	0
19	0.1	0.1	0.1	0.1	73.8	73.8	73.9	73.9	0	0	0	0
20	<0.1	<0.1	0.1	0.1	73.8	73.8	73.9	73.9	0	0	0	0
21	<0.1	<0.1	0.1	0.1	73.8	73.8	73.9	73.9	0	0	0	0
22	0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
23	<0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
24	0.1	0.1	0.2	0.3	73.8	73.9	73.9	73.9	0	0	0	0
25	0.2	0.2	0.4	0.4	73.9	73.9	74.0	74.0	0	0	0	0

Table C18 – 24-hour Average PM_{2.5} Predictions – Central Site Configuration												
Receptor ID	Maximum Incremental 24-hour Average PM_{2.5} Concentration (µg/m³)				Maximum Cumulative 24-hour Average PM_{2.5} Concentration (µg/m³)				Number of Additional Exceedance Days Cumulative PM_{2.5} >25µg/m³			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
26	0.1	0.1	0.2	0.2	73.8	73.9	73.9	73.9	0	0	0	0
27	0.1	0.1	0.3	0.3	73.8	73.9	73.9	74.0	0	0	0	0
28	<0.1	<0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
29	<0.1	<0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
30	<0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
31	<0.1	<0.1	0.1	0.1	73.8	73.8	73.9	73.9	0	0	0	0
32	<0.1	<0.1	0.1	0.1	73.8	73.8	73.9	73.9	0	0	0	0
33	0.5	1.2	1.8	1.6	73.9	74.4	74.9	74.8	0	0	0	0
34	<0.1	<0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
35	0.1	0.1	0.2	0.2	73.9	73.9	74.0	74.0	0	0	0	0
36	0.1	0.1	0.1	0.1	73.8	73.8	73.9	73.9	0	0	0	0
37	0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
38	0.1	0.2	0.5	0.6	73.9	73.9	74.1	74.2	0	0	0	0
Boundary Maximum	0.9	1.6	2.4	2.1	74.0	74.7	75.3	75.1	0	0	0	0

Note: Grey shaded cell indicates exceedance of applicable criterion

Note: Maximum ambient 24-hour average PM_{2.5} background concentration in exceedance of criterion due to bushfire event

Table C19 – Annual Average PM _{2.5} Predictions – Central Site Configuration								
Receptor ID	Incremental Annual Average PM _{2.5} Concentration (µg/m ³)				Cumulative Annual Average PM _{2.5} Concentration (µg/m ³)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
1	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
2	<0.1	<0.1	0.1	0.2	7.6	7.6	7.7	7.8
3	<0.1	0.1	0.2	0.3	7.6	7.7	7.8	7.9
4	<0.1	0.1	0.2	0.2	7.6	7.7	7.8	7.8
5	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
6	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
7	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
8	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
9	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
10	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
11	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
12	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
13	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
14	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
15	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
16	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
17	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
18	<0.1	<0.1	<0.1	0.1	7.6	7.6	7.6	7.7
19	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
20	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
21	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
22	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
23	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
24	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
25	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
26	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
27	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7

Table C19 – Annual Average PM_{2.5} Predictions – Central Site Configuration								
Receptor ID	Incremental Annual Average PM_{2.5} Concentration (µg/m³)				Cumulative Annual Average PM_{2.5} Concentration (µg/m³)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
28	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
29	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
30	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
31	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
32	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
33	0.1	0.6	0.9	0.8	7.7	8.2	8.5	8.4
34	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
35	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
36	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
37	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
38	<0.1	0.1	0.2	0.3	7.6	7.7	7.8	7.9
Boundary Maximum	0.2	0.8	1.2	1.1	7.8	8.4	8.8	8.7

Table C20 – Incremental 1-hour Average NO _x and Incremental and Cumulative 1-hour Average NO ₂ Predictions – Central Site Configuration												
Receptor ID	Maximum Incremental 1-hour Average NO _x Concentration (µg/m ³)				Maximum Incremental 1-hour Average NO ₂ Concentration (µg/m ³)				Maximum Cumulative 1-hour Average NO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
1	6.3	16.3	26.9	29.3	6.3	16.3	19.2	26.4	114.8	114.8	114.8	114.8
2	8.0	19.2	25.8	38.7	7.3	19.2	22.4	32.0	114.8	114.8	114.8	119.0
3	9.6	28.7	41.7	52.3	8.6	28.7	41.6	49.4	114.8	114.8	115.7	119.6
4	13.5	40.5	56.2	64.9	13.5	35.9	51.4	57.2	114.8	114.8	114.8	115.3
5	8.8	23.1	32.7	30.2	8.8	22.8	30.4	29.6	114.8	114.8	114.8	114.8
6	11.0	32.3	43.8	41.9	10.5	30.0	38.9	38.0	114.8	114.8	114.8	114.8
7	7.2	21.1	24.6	21.8	7.2	21.1	24.6	21.8	114.8	114.8	114.8	114.8
8	5.3	15.2	18.4	19.2	5.3	15.2	18.4	19.2	114.8	114.8	114.8	114.8
9	8.1	23.6	26.7	28.1	8.1	23.6	26.6	24.9	114.8	114.8	114.8	114.8
10	4.6	11.5	12.4	10.3	4.6	11.5	12.4	10.3	114.8	114.8	114.8	114.8
11	7.0	18.9	17.8	17.1	4.5	11.5	12.4	12.0	114.8	114.8	114.8	114.8
12	5.8	16.6	21.5	22.5	4.1	10.0	12.1	12.1	114.8	114.8	114.8	114.8
13	4.7	15.3	20.1	19.5	4.1	10.4	12.4	11.5	114.8	114.8	114.8	114.8
14	7.6	17.0	18.8	22.2	6.7	14.6	16.2	19.5	114.8	114.8	114.8	114.8
15	5.7	16.2	23.1	23.7	5.7	16.2	23.1	23.7	114.8	114.8	114.8	114.8
16	6.9	15.7	23.2	22.1	6.9	15.7	23.0	22.1	114.8	114.8	114.8	114.8
17	5.6	20.9	23.4	22.2	4.5	12.2	15.7	14.9	114.8	114.8	114.8	114.8
18	11.7	22.0	25.4	27.3	10.6	19.7	22.9	25.5	114.8	114.8	114.8	114.8
19	11.7	26.9	33.3	32.3	9.0	24.0	33.3	32.3	114.8	114.8	114.8	114.8
20	5.0	14.0	17.9	18.8	5.0	14.0	17.9	18.8	114.8	114.8	114.8	114.8
21	5.2	16.0	18.6	19.5	5.2	15.2	17.5	19.4	114.8	114.8	114.8	114.8
22	5.8	17.3	22.8	23.2	3.9	9.2	10.2	10.8	114.8	114.8	114.8	114.8
23	4.4	14.4	18.8	17.5	3.7	8.9	9.3	8.7	114.8	114.8	114.8	114.8
24	7.5	22.4	29.7	28.2	7.5	22.4	29.2	27.3	114.8	114.8	114.8	114.8
25	9.8	30.2	38.9	39.4	9.8	28.0	36.4	34.4	114.8	114.8	114.8	114.8

Table C20 – Incremental 1-hour Average NO_x and Incremental and Cumulative 1-hour Average NO₂ Predictions – Central Site Configuration												
Receptor ID	Maximum Incremental 1-hour Average NO_x Concentration (µg/m³)				Maximum Incremental 1-hour Average NO₂ Concentration (µg/m³)				Maximum Cumulative 1-hour Average NO₂ Concentration (µg/m³)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
26	6.2	20.4	28.3	26.8	5.8	20.4	27.2	26.8	114.8	114.8	114.8	114.8
27	13.0	33.5	46.8	49.8	13.0	33.5	45.9	49.2	114.8	114.8	114.8	114.8
28	5.9	20.1	25.5	27.0	5.9	18.4	25.5	27.0	114.8	114.8	114.8	114.8
29	4.0	13.0	20.1	21.6	4.0	13.0	20.1	21.6	114.8	114.8	114.8	114.8
30	2.9	7.7	15.3	16.8	2.9	7.7	13.8	14.8	114.8	114.8	114.8	114.8
31	2.1	6.2	8.9	9.2	2.1	6.2	8.9	9.2	114.8	114.8	114.8	114.8
32	3.5	9.2	12.4	13.9	3.5	9.2	12.4	13.7	114.8	114.8	114.8	114.8
33	58.1	139.9	139.5	123.8	42.7	65.6	69.7	68.9	114.8	131.2	135.3	134.5
34	6.1	17.9	16.3	14.7	6.1	17.9	16.3	14.7	114.8	114.8	114.8	114.8
35	5.5	16.6	21.8	19.9	5.0	13.6	14.3	15.3	114.8	114.8	114.8	114.8
36	7.0	17.2	26.0	26.2	7.0	17.2	25.2	25.0	114.8	114.8	114.8	114.8
37	4.8	13.1	16.7	15.2	4.8	13.1	16.7	14.9	114.8	114.8	114.8	114.8
38	10.6	33.5	40.7	48.8	10.3	28.3	36.2	41.4	114.8	114.8	119.3	119.9
Boundary Maximum	70.4	168.9	189.8	164.2	45.6	70.9	79.9	75.4	114.8	134.6	139.0	137.5

Note: NO₂ concentrations converted from NO_x predictions using the OLM approach

Table C21 – Incremental Annual Average NO _x and Incremental and Cumulative Annual Average NO ₂ Predictions – Central Site Configuration												
Receptor ID	Incremental Annual Average NO _x Concentration (µg/m ³)				Incremental Annual Average NO ₂ Concentration (µg/m ³)				Incremental Annual Average NO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 2	Phase B – Scenario 5	Phase C – Scenario 8	Full Build – Scenario 11	Phase A – Scenario 2	Phase B – Scenario 5	Phase C – Scenario 8	Full Build – Scenario 11	Phase A – Scenario 2	Phase B – Scenario 5	Phase C – Scenario 8	Full Build – Scenario 11
1	0.2	1.9	3.0	5.1	0.1	1.3	1.9	3.1	22.8	24.0	24.6	25.8
2	0.2	2.7	4.2	7.3	0.2	1.8	2.6	4.2	22.9	24.5	25.3	26.9
3	0.3	3.7	6.0	9.6	0.2	2.4	3.6	5.3	22.9	25.1	26.3	28.0
4	0.3	4.1	6.3	7.9	0.2	2.7	3.8	4.5	22.9	25.4	26.5	27.2
5	0.1	1.2	1.8	1.9	0.1	1.0	1.4	1.5	22.8	23.7	24.1	24.2
6	0.2	1.7	2.7	2.7	0.2	1.4	2.0	1.9	22.9	24.1	24.7	24.6
7	0.1	1.4	2.2	2.1	0.1	1.0	1.5	1.4	22.8	23.7	24.2	24.1
8	0.1	0.8	1.3	1.2	<0.1	0.6	0.9	0.9	22.7	23.3	23.6	23.5
9	0.1	0.9	1.5	1.4	0.1	0.7	1.0	0.9	22.7	23.3	23.7	23.6
10	0.1	1.2	2.1	1.8	0.1	0.9	1.4	1.2	22.8	23.6	24.1	23.9
11	0.1	1.5	2.8	2.5	0.1	1.1	1.7	1.6	22.8	23.8	24.4	24.3
12	0.1	1.7	2.9	2.9	0.1	1.2	1.8	1.8	22.8	23.9	24.5	24.5
13	0.1	1.7	2.8	2.9	0.1	1.2	1.8	1.8	22.8	23.9	24.5	24.5
14	0.2	2.4	3.7	5.0	0.2	1.7	2.4	3.0	22.9	24.3	25.1	25.7
15	0.1	1.1	1.8	1.6	0.1	0.8	1.3	1.1	22.8	23.5	24.0	23.8
16	<0.1	0.3	0.4	0.4	<0.1	0.2	0.3	0.3	22.7	22.9	23.0	23.0
17	0.1	1.8	3.2	2.9	0.1	1.2	2.0	1.8	22.8	23.9	24.7	24.5
18	0.1	1.0	1.5	2.2	0.1	0.7	1.1	1.5	22.8	23.4	23.7	24.2
19	<0.1	0.5	0.9	0.8	<0.1	0.4	0.6	0.6	22.7	23.1	23.3	23.3
20	<0.1	0.5	0.9	0.9	<0.1	0.4	0.7	0.6	22.7	23.1	23.4	23.3
21	<0.1	0.5	0.8	0.7	<0.1	0.4	0.6	0.6	22.7	23.1	23.3	23.2
22	0.1	1.4	2.4	2.3	0.1	1.0	1.5	1.5	22.8	23.7	24.2	24.2
23	0.1	1.0	1.6	1.7	0.1	0.7	1.1	1.1	22.8	23.4	23.8	23.8
24	0.1	0.6	1.0	1.1	0.1	0.5	0.8	0.8	22.7	23.2	23.5	23.5
25	0.2	1.7	2.6	2.6	0.2	1.4	2.0	2.0	22.9	24.1	24.6	24.7

Table C21 – Incremental Annual Average NO _x and Incremental and Cumulative Annual Average NO ₂ Predictions – Central Site Configuration												
Receptor ID	Incremental Annual Average NO _x Concentration (µg/m ³)				Incremental Annual Average NO ₂ Concentration (µg/m ³)				Incremental Annual Average NO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
26	0.1	0.6	0.9	1.0	0.1	0.5	0.7	0.8	22.7	23.2	23.4	23.5
27	0.1	1.6	2.5	3.2	0.1	1.2	1.8	2.1	22.8	23.9	24.4	24.8
28	0.1	0.6	1.0	1.1	0.1	0.5	0.7	0.8	22.7	23.2	23.4	23.5
29	<0.1	0.5	0.9	1.0	<0.1	0.4	0.7	0.8	22.7	23.1	23.4	23.5
30	0.1	0.7	1.1	1.4	<0.1	0.5	0.8	1.0	22.7	23.2	23.5	23.7
31	<0.1	0.5	0.7	0.9	<0.1	0.4	0.6	0.7	22.7	23.1	23.3	23.4
32	<0.1	0.4	0.7	0.8	<0.1	0.3	0.5	0.6	22.7	23.0	23.2	23.3
33	2.3	23.6	33.5	30.1	1.8	10.6	12.2	11.4	24.5	33.3	34.9	34.1
34	0.1	1.0	1.6	1.5	0.1	0.7	1.1	1.0	22.8	23.4	23.8	23.7
35	0.2	2.2	3.5	3.9	0.2	1.5	2.2	2.4	22.8	24.2	24.9	25.1
36	<0.1	0.6	1.0	0.9	<0.1	0.4	0.7	0.7	22.7	23.1	23.4	23.3
37	0.1	1.2	2.0	2.3	0.1	0.9	1.3	1.5	22.8	23.6	24.0	24.2
38	0.3	5.8	8.5	10.7	0.3	3.5	4.9	5.8	23.0	26.2	27.6	28.5
Boundary Maximum	2.8	32.7	45.7	4<0.1	2.1	13.0	15.2	13.9	24.8	35.6	37.9	36.6

Note: NO₂ concentrations converted from NO_x predictions using the OLM approach

Table C22 – Incremental 1-hour, 24-hour and Annual Average SO ₂ Predictions – Central Site Configuration												
Receptor ID	Maximum Incremental 1-hour Average SO ₂ Concentration (µg/m ³)				Maximum Incremental 24-hour Average SO ₂ Concentration (µg/m ³)				Incremental Annual Average SO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4	<0.1	<0.1	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
11	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
15	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
16	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
17	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
18	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
19	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
20	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
21	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
22	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
23	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
24	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
25	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Table C22 – Incremental 1-hour, 24-hour and Annual Average SO ₂ Predictions – Central Site Configuration												
Receptor ID	Maximum Incremental 1-hour Average SO ₂ Concentration (µg/m ³)				Maximum Incremental 24-hour Average SO ₂ Concentration (µg/m ³)				Incremental Annual Average SO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
26	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
27	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
28	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
29	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
30	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
31	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
32	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
33	0.1	0.2	0.1	0.1	<0.1	0.1	0.1	0.1	<0.1	<0.1	<0.1	<0.1
34	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
35	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
36	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
37	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
38	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boundary Maximum	0.1	0.2	0.2	0.1	<0.1	0.1	0.1	0.1	<0.1	<0.1	<0.1	<0.1

Table C23 – Cumulative 1-hour, 24-hour and Annual Average SO ₂ Predictions – Central Site Configuration												
Receptor ID	Maximum Cumulative 1-hour Average SO ₂ Concentration (µg/m ³)				Maximum Cumulative 24-hour Average SO ₂ Concentration (µg/m ³)				Cumulative Annual Average SO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
1	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
2	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
3	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
4	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
5	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
6	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
7	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
8	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
9	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
10	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
11	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
12	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
13	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
14	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
15	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
16	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
17	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
18	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
19	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
20	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
21	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
22	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
23	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
24	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
25	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9

Table C23 – Cumulative 1-hour, 24-hour and Annual Average SO ₂ Predictions – Central Site Configuration												
Receptor ID	Maximum Cumulative 1-hour Average SO ₂ Concentration (µg/m ³)				Maximum Cumulative 24-hour Average SO ₂ Concentration (µg/m ³)				Cumulative Annual Average SO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
26	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
27	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
28	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
29	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
30	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
31	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
32	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
33	34.3	34.4	34.4	34.4	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
34	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
35	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
36	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
37	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
38	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
Boundary Maximum	34.3	34.4	34.5	34.4	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9

Table C24 – Incremental 1-hour and 8-hour Average CO Predictions – Central Site Configuration								
Receptor ID	Incremental 1-hour Average CO Concentration (µg/m ³)				Incremental 8-hour Average CO Concentration (µg/m ³)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
1	2.4	7.0	29.8	35.3	0.6	3.7	11.0	22.6
2	3.0	8.4	24.2	46.8	0.7	4.7	14.1	31.2
3	3.6	13.3	40.4	64.3	0.8	7.3	26.1	41.7
4	5.1	21.3	55.3	80.6	1.0	8.8	30.6	45.9
5	3.3	13.7	31.2	36.0	0.7	6.6	17.6	24.5
6	4.1	18.1	41.2	49.4	0.9	10.7	27.9	32.6
7	2.7	10.0	22.7	24.1	0.4	2.1	6.2	7.5
8	2.0	5.1	15.7	20.8	0.3	2.3	7.7	10.5
9	3.1	9.7	23.1	30.1	0.6	2.7	10.8	11.1
10	1.7	4.3	11.2	10.6	0.3	1.4	6.0	6.4
11	2.6	5.9	17.8	20.2	0.3	2.1	8.8	9.1
12	2.2	9.0	19.9	25.9	0.5	2.9	10.3	11.8
13	1.8	8.6	19.3	23.1	0.4	2.7	8.9	11.3
14	2.9	7.4	20.6	23.8	0.5	4.7	12.9	19.3
15	2.2	6.4	19.6	25.8	0.4	3.0	10.0	13.4
16	2.6	6.3	22.6	24.2	0.4	1.7	5.9	8.7
17	2.1	8.1	22.1	25.3	0.4	2.5	10.2	10.8
18	4.4	9.7	21.8	30.9	0.6	2.0	5.5	9.1
19	4.4	11.2	28.4	34.0	0.6	2.3	11.1	9.6
20	1.9	5.4	15.6	20.6	0.3	2.1	7.0	10.6
21	2.0	6.9	16.4	21.4	0.3	1.7	5.9	8.6
22	2.2	10.0	21.9	27.4	0.4	2.4	8.6	9.8
23	1.7	7.9	17.9	20.5	0.4	1.9	5.8	6.9
24	2.8	11.1	27.9	33.4	0.5	5.2	14.9	20.9
25	3.7	16.1	36.6	44.9	0.8	10.0	26.2	32.9
26	2.3	11.3	26.8	32.1	0.5	4.0	12.4	15.1
27	4.9	18.8	47.4	61.6	1.1	8.3	25.7	35.3

Table C24 – Incremental 1-hour and 8-hour Average CO Predictions – Central Site Configuration								
Receptor ID	Incremental 1-hour Average CO Concentration (µg/m³)				Incremental 8-hour Average CO Concentration (µg/m³)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
28	2.2	9.7	25.4	33.1	0.4	2.4	9.4	11.0
29	1.5	6.5	19.7	26.0	0.3	2.4	6.6	10.9
30	1.1	4.2	15.2	19.4	0.4	1.3	4.4	6.7
31	0.8	3.0	8.9	11.2	0.2	1.1	3.8	5.6
32	1.3	3.7	12.2	16.5	0.2	1.5	4.7	6.9
33	21.9	72.6	123.1	121.5	4.4	47.0	99.2	98.8
34	2.3	5.9	17.0	16.3	0.3	1.4	4.6	6.7
35	2.1	9.3	20.6	23.3	0.5	3.7	10.8	14.1
36	2.7	8.1	22.8	28.8	0.6	3.7	12.6	15.2
37	1.8	7.1	15.4	17.1	0.3	2.0	6.3	8.5
38	4.0	13.8	34.6	58.0	0.9	7.6	23.7	41.7
Boundary Maximum	26.6	92.6	160.7	150.8	5.3	65.8	129.1	123.5

Table C25 – Cumulative 1-hour and 8-hour Average CO Predictions – Central Site Configuration								
Receptor ID	Cumulative 1-hour Average CO Concentration ($\mu\text{g}/\text{m}^3$)				Cumulative 8-hour Average CO Concentration ($\mu\text{g}/\text{m}^3$)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
1	5,000.0	5,000.0	5,000.0	5,000.0	2,062.3	2,063.2	2,065.2	2,069.0
2	5,000.0	5,000.0	5,000.0	5,000.0	2,062.3	2,063.6	2,066.4	2,072.0
3	5,000.0	5,000.0	5,000.0	5,000.0	2,062.3	2,064.1	2,068.2	2,075.1
4	5,000.0	5,000.0	5,000.0	5,000.0	2,062.3	2,063.9	2,068.0	2,071.9
5	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.4	2,063.2	2,063.5
6	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.5	2,064.0	2,064.4
7	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.7	2,064.2	2,064.6
8	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.4	2,063.4	2,063.6
9	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.5	2,063.7	2,063.8
10	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.6	2,064.2	2,064.4
11	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.9	2,065.2	2,065.3
12	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,063.0	2,065.4	2,065.9
13	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,063.2	2,065.4	2,066.1
14	5,000.0	5,000.0	5,000.0	5,000.0	2,062.3	2,063.2	2,065.1	2,067.8
15	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.5	2,063.9	2,064.1
16	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.2	2,062.6	2,062.8
17	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,063.0	2,065.7	2,065.9
18	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.6	2,063.6	2,064.8
19	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,063.0	2,063.1
20	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,063.0	2,063.2
21	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.8	2,063.0
22	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.8	2,064.8	2,065.2
23	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.6	2,064.0	2,064.4
24	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.8	2,063.0
25	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.5	2,063.8	2,064.2
26	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.2	2,062.7	2,062.9
27	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.7	2,064.2	2,065.5

Table C25 – Cumulative 1-hour and 8-hour Average CO Predictions – Central Site Configuration								
Receptor ID	Cumulative 1-hour Average CO Concentration (µg/m³)				Cumulative 8-hour Average CO Concentration (µg/m³)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
28	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.9	2,063.3
29	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.8	2,063.2
30	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.5	2,063.2	2,064.0
31	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.8	2,063.2
32	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.7	2,063.1
33	5,000.0	5,000.0	5,000.0	5,000.0	2,063.8	2,078.5	2,095.7	2,095.9
34	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.5	2,063.6	2,063.9
35	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,063.3	2,065.6	2,067.0
36	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,063.1	2,063.2
37	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.6	2,063.6	2,064.7
38	5,000.0	5,000.0	5,000.0	5,000.0	2,062.4	2,064.7	2,070.1	2,076.3
Boundary Maximum	5,000.0	5,000.0	5,000.0	5,000.0	2,064.2	2,084.3	2,105.9	2,104.1

Table C26 – Incremental 99.9 th Percentile 1-hour Average Benzene, Toluene and Xylenes Predictions – Central Site Configuration												
Receptor ID	99.9 th Percentile Incremental 1-hour Average Benzene Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Toluene Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Xylenes Concentration (µg/m ³)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
1	<0.01	<0.01	0.01	0.02	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.01
2	<0.01	<0.01	0.01	0.02	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.01	0.01
3	<0.01	0.01	0.02	0.04	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.01	0.02
4	<0.01	0.01	0.03	0.05	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.01	0.02
5	<0.01	0.01	0.02	0.02	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.01	0.01
6	<0.01	0.01	0.02	0.03	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.01	0.01
7	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
8	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
9	<0.01	<0.01	0.01	0.02	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.01	0.01
10	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
11	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
12	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
13	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
14	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
15	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
16	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
17	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
18	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
19	<0.01	<0.01	0.01	0.02	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.01	0.01
20	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
21	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
22	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
23	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
24	<0.01	0.01	0.01	0.02	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.01	0.01
25	<0.01	0.01	0.02	0.02	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.01	0.01

Table C26 – Incremental 99.9 th Percentile 1-hour Average Benzene, Toluene and Xylenes Predictions – Central Site Configuration												
Receptor ID	99.9 th Percentile Incremental 1-hour Average Benzene Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Toluene Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Xylenes Concentration (µg/m ³)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
26	<0.01	0.01	0.01	0.02	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.01	0.01
27	<0.01	0.01	0.03	0.03	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.01	0.01
28	<0.01	<0.01	0.01	0.02	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.01	0.01
29	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
30	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
31	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
32	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
33	<0.01	0.03	0.07	0.07	<0.01	0.01	0.02	0.02	<0.01	0.01	0.03	0.03
34	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
35	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
36	<0.01	<0.01	0.01	0.02	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	0.01
37	<0.01	<0.01	0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
38	<0.01	<0.01	0.02	0.03	<0.01	<0.01	0.01	0.01	<0.01	<0.01	0.01	0.01
Boundary Maximum	0.01	0.03	0.08	0.08	<0.01	0.01	0.03	0.03	<0.01	0.01	0.04	0.03

Table C27 – Incremental 99.9 th Percentile 1-hour Average 1,3-butadiene, Formaldehyde and Acetaldehyde Predictions – Central Site Configuration												
Receptor ID	99.9 th Percentile Incremental 1-hour Average 1,3-butadiene Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Formaldehyde Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Acetaldehyde Concentration (µg/m ³)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
1	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.09	0.15	<0.01	<0.01	0.01	0.02
2	<0.01	<0.01	<0.01	<0.01	0.01	0.03	0.11	0.20	<0.01	<0.01	0.02	0.03
3	<0.01	<0.01	<0.01	<0.01	0.01	0.05	0.19	0.31	<0.01	0.01	0.03	0.05
4	<0.01	<0.01	<0.01	0.01	0.01	0.08	0.27	0.38	<0.01	0.01	0.04	0.06
5	<0.01	<0.01	<0.01	<0.01	0.01	0.05	0.15	0.17	<0.01	0.01	0.02	0.03
6	<0.01	<0.01	<0.01	<0.01	0.01	0.07	0.19	0.22	<0.01	0.01	0.03	0.04
7	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.04	0.05	<0.01	<0.01	0.01	0.01
8	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.07	0.09	<0.01	<0.01	0.01	0.02
9	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	0.10	0.13	<0.01	<0.01	0.02	0.02
10	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.05	0.05	<0.01	<0.01	0.01	0.01
11	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.06	0.07	<0.01	<0.01	0.01	0.01
12	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.06	0.08	<0.01	<0.01	0.01	0.01
13	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.06	0.07	<0.01	<0.01	0.01	0.01
14	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	0.07	0.11	<0.01	<0.01	0.01	0.02
15	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	0.09	0.12	<0.01	<0.01	0.01	0.02
16	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.08	0.10	<0.01	<0.01	0.01	0.02
17	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.07	0.08	<0.01	<0.01	0.01	0.01
18	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.05	0.07	<0.01	<0.01	0.01	0.01
19	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	0.12	0.15	<0.01	0.01	0.02	0.02
20	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.07	0.09	<0.01	<0.01	0.01	0.01
21	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.07	0.09	<0.01	<0.01	0.01	0.02
22	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.05	0.07	<0.01	<0.01	0.01	0.01
23	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.05	0.05	<0.01	<0.01	0.01	0.01
24	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	0.13	0.15	<0.01	0.01	0.02	0.03
25	<0.01	<0.01	<0.01	<0.01	0.01	0.06	0.17	0.21	<0.01	0.01	0.03	0.03

Table C27 – Incremental 99.9 th Percentile 1-hour Average 1,3-butadiene, Formaldehyde and Acetaldehyde Predictions – Central Site Configuration												
Receptor ID	99.9 th Percentile Incremental 1-hour Average 1,3-butadiene Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Formaldehyde Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Acetaldehyde Concentration (µg/m ³)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
26	<0.01	<0.01	<0.01	<0.01	<0.01	0.05	0.13	0.15	<0.01	0.01	0.02	0.03
27	<0.01	<0.01	<0.01	<0.01	0.01	0.07	0.23	0.29	<0.01	0.01	0.04	0.05
28	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	0.11	0.15	<0.01	0.01	0.02	0.02
29	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	0.08	0.11	<0.01	<0.01	0.01	0.02
30	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.04	0.05	<0.01	<0.01	0.01	0.01
31	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.04	0.05	<0.01	<0.01	0.01	0.01
32	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.04	0.07	<0.01	<0.01	0.01	0.01
33	<0.01	<0.01	0.01	0.01	0.04	0.23	0.56	0.56	0.01	0.04	0.09	0.09
34	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.04	0.06	<0.01	<0.01	0.01	0.01
35	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.07	0.09	<0.01	<0.01	0.01	0.01
36	<0.01	<0.01	<0.01	<0.01	<0.01	0.03	0.10	0.13	<0.01	<0.01	0.02	0.02
37	<0.01	<0.01	<0.01	<0.01	<0.01	0.02	0.05	0.06	<0.01	<0.01	0.01	0.01
38	<0.01	<0.01	<0.01	<0.01	0.01	0.04	0.15	0.26	<0.01	0.01	0.02	0.04
Boundary Maximum	<0.01	<0.01	0.01	0.01	0.05	0.30	0.72	0.69	0.01	0.05	0.12	0.11

Table C28 – Incremental 99.9 th Percentile 1-hour and Annual Average PAHs Predictions – Central Site Configuration								
Receptor ID	Incremental 99.9 th Percentile 1-hour Average PAHs Concentration (µg/m ³)				Incremental Annual Average PAHs Concentration (µg/m ³)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
1	0.002	0.003	0.002	0.002	<0.001	<0.001	<0.001	<0.001
2	0.003	0.004	0.002	0.003	<0.001	0.001	<0.001	0.001
3	0.004	0.005	0.003	0.003	<0.001	0.001	<0.001	0.001
4	0.004	0.008	0.004	0.004	<0.001	0.001	<0.001	0.001
5	0.003	0.005	0.002	0.002	<0.001	<0.001	<0.001	<0.001
6	0.004	0.007	0.003	0.003	<0.001	<0.001	<0.001	<0.001
7	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
8	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
9	0.002	0.003	0.002	0.002	<0.001	<0.001	<0.001	<0.001
10	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
11	0.002	0.003	0.001	0.001	<0.001	<0.001	<0.001	<0.001
12	0.002	0.003	0.001	0.001	<0.001	<0.001	<0.001	<0.001
13	0.002	0.003	0.001	0.001	<0.001	<0.001	<0.001	<0.001
14	0.003	0.004	0.002	0.002	<0.001	0.001	<0.001	<0.001
15	0.002	0.002	0.002	0.002	<0.001	<0.001	<0.001	<0.001
16	0.001	0.002	0.002	0.002	<0.001	<0.001	<0.001	<0.001
17	0.002	0.004	0.001	0.001	<0.001	<0.001	<0.001	<0.001
18	0.002	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
19	0.002	0.003	0.002	0.002	<0.001	<0.001	<0.001	<0.001
20	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
21	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
22	0.002	0.003	0.001	0.001	<0.001	<0.001	<0.001	<0.001
23	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
24	0.002	0.003	0.002	0.002	<0.001	<0.001	<0.001	<0.001
25	0.004	0.006	0.003	0.003	<0.001	<0.001	<0.001	<0.001
26	0.002	0.003	0.002	0.002	<0.001	<0.001	<0.001	<0.001
27	0.004	0.006	0.003	0.003	<0.001	<0.001	<0.001	<0.001

Table C28 – Incremental 99.9 th Percentile 1-hour and Annual Average PAHs Predictions – Central Site Configuration								
Receptor ID	Incremental 99.9 th Percentile 1-hour Average PAHs Concentration (µg/m ³)				Incremental Annual Average PAHs Concentration (µg/m ³)			
	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11	Phase A – Scenario 2	Phase B– Scenario 5	Phase C– Scenario 8	Full Build– Scenario 11
28	0.002	0.003	0.002	0.002	<0.001	<0.001	<0.001	<0.001
29	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
30	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
31	0.001	0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001
32	0.001	0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001
33	0.023	0.040	0.014	0.011	0.001	0.007	0.004	0.003
34	0.001	0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001
35	0.002	0.003	0.001	0.001	<0.001	<0.001	<0.001	<0.001
36	0.002	0.003	0.002	0.002	<0.001	<0.001	<0.001	<0.001
37	0.002	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
38	0.004	0.006	0.003	0.003	<0.001	0.001	0.001	0.001
Boundary Maximum	0.028	0.050	0.020	0.015	0.001	0.011	0.005	0.004

Table C29 – TSP and Dust Deposition Predictions – Southern Site Configuration												
Receptor ID	Incremental Annual Average TSP ($\mu\text{g}/\text{m}^3$)			Cumulative Annual Average TSP ($\mu\text{g}/\text{m}^3$)			Incremental Annual Average Dust Deposition ($\text{g}/\text{m}^2/\text{month}$)			Cumulative Annual Average Dust Deposition ($\text{g}/\text{m}^2/\text{month}$)		
	Phase A – Scenario 3	Phase B – Scenario 6	Phase C – Scenario 9	Phase A – Scenario 3	Phase B – Scenario 6	Phase C – Scenario 9	Phase A – Scenario 3	Phase B – Scenario 6	Phase C – Scenario 9	Phase A – Scenario 3	Phase B – Scenario 6	Phase C – Scenario 9
1	0.2	0.2	0.2	42.8	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
2	0.3	0.3	0.3	42.9	42.9	42.9	<0.1	<0.1	<0.1	0.8	0.8	0.8
3	0.4	0.3	0.4	43.0	42.9	43.0	<0.1	<0.1	<0.1	0.8	0.8	0.8
4	0.4	0.4	0.4	43.0	43.0	43.0	<0.1	<0.1	<0.1	0.8	0.8	0.8
5	0.2	0.1	0.2	42.8	42.7	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
6	0.2	0.2	0.2	42.8	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
7	0.2	0.1	0.2	42.8	42.7	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
8	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
9	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
10	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
11	0.2	0.2	0.2	42.8	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
12	0.2	0.2	0.2	42.8	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
13	0.2	0.2	0.2	42.8	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
14	0.3	0.2	0.2	42.9	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
15	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
16	<0.1	<0.1	<0.1	42.6	42.6	42.6	<0.1	<0.1	<0.1	0.8	0.8	0.8
17	0.2	0.2	0.2	42.8	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
18	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
19	0.1	<0.1	0.1	42.7	42.6	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
20	0.1	<0.1	0.1	42.7	42.6	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
21	0.1	<0.1	0.1	42.7	42.6	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
22	0.2	0.1	0.1	42.8	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
23	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
24	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
25	0.2	0.2	0.2	42.8	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8

Table C29 – TSP and Dust Deposition Predictions – Southern Site Configuration												
Receptor ID	Incremental Annual Average TSP ($\mu\text{g}/\text{m}^3$)			Cumulative Annual Average TSP ($\mu\text{g}/\text{m}^3$)			Incremental Annual Average Dust Deposition ($\text{g}/\text{m}^2/\text{month}$)			Cumulative Annual Average Dust Deposition ($\text{g}/\text{m}^2/\text{month}$)		
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9
26	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
27	0.2	0.2	0.2	42.8	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
28	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
29	0.1	<0.1	0.1	42.7	42.6	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
30	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
31	<0.1	<0.1	<0.1	42.6	42.6	42.6	<0.1	<0.1	<0.1	0.8	0.8	0.8
32	<0.1	<0.1	<0.1	42.6	42.6	42.6	<0.1	<0.1	<0.1	0.8	0.8	0.8
33	2.8	1.1	1.2	45.4	43.7	43.8	0.3	0.1	0.1	1.1	0.9	0.9
34	0.1	0.1	0.1	42.7	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
35	0.3	0.2	0.2	42.9	42.8	42.8	<0.1	<0.1	<0.1	0.8	0.8	0.8
36	0.1	<0.1	0.1	42.7	42.6	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
37	0.2	0.1	0.1	42.8	42.7	42.7	<0.1	<0.1	<0.1	0.8	0.8	0.8
38	0.5	0.5	0.5	43.1	43.1	43.1	<0.1	<0.1	<0.1	0.8	0.8	0.8
Boundary Maximum	4.5	3.2	2.1	47.1	45.8	44.7	0.5	0.4	0.2	1.3	1.2	1.0

Table C30 – 24-hour Average PM₁₀ Predictions – Southern Site Configuration												
Receptor ID	Maximum Incremental 24-hour Average PM₁₀ Concentration (µg/m³)				Maximum Cumulative 24-hour Average PM₁₀ Concentration (µg/m³)				Number of Additional Exceedance Days Cumulative PM₁₀ >50µg/m³			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
1	0.3	0.5	0.3	0.2	98.6	98.6	98.7	98.7	0	0	0	0
2	0.4	0.4	0.7	0.3	98.6	98.6	98.7	98.7	0	0	0	0
3	0.7	0.6	0.9	0.5	98.6	98.7	98.8	98.8	0	0	0	0
4	1.4	0.9	1.0	0.5	98.6	98.7	98.8	98.9	0	0	0	0
5	0.9	0.5	0.5	0.3	98.6	98.6	98.7	98.7	0	0	0	0
6	0.8	0.9	0.7	0.5	98.6	98.6	98.7	98.7	0	0	0	0
7	0.5	0.2	0.5	0.1	98.6	98.6	98.6	98.6	0	0	0	0
8	0.1	0.1	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
9	0.2	0.2	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
10	0.2	0.1	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
11	0.5	0.4	0.5	0.2	98.6	98.6	98.6	98.6	0	0	0	0
12	0.6	0.4	0.4	0.2	98.6	98.6	98.6	98.7	0	0	0	0
13	0.6	0.3	0.3	0.2	98.6	98.6	98.6	98.7	0	0	0	0
14	0.9	0.4	0.5	0.3	98.6	98.6	98.7	98.7	0	0	0	0
15	0.2	0.2	0.2	0.2	98.6	98.6	98.6	98.6	0	0	0	0
16	0.2	0.1	0.1	0.1	98.5	98.6	98.6	98.6	0	0	0	0
17	0.6	0.6	0.5	0.2	98.6	98.6	98.7	98.7	0	0	0	0
18	0.2	0.2	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
19	0.2	0.1	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
20	0.1	0.1	0.1	0.1	98.6	98.6	98.6	98.6	0	0	0	0
21	0.1	0.1	0.1	0.1	98.6	98.6	98.6	98.6	0	0	0	0
22	0.5	0.3	0.4	0.1	98.6	98.6	98.6	98.6	0	0	0	0
23	0.4	0.2	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
24	0.3	0.3	0.4	0.3	98.6	98.6	98.6	98.6	0	0	0	0
25	0.9	0.8	0.7	0.5	98.6	98.6	98.7	98.7	0	0	0	0

Table C30 – 24-hour Average PM₁₀ Predictions – Southern Site Configuration												
Receptor ID	Maximum Incremental 24-hour Average PM₁₀ Concentration (µg/m³)				Maximum Cumulative 24-hour Average PM₁₀ Concentration (µg/m³)				Number of Additional Exceedance Days Cumulative PM₁₀ >50µg/m³			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
26	0.4	0.3	0.3	0.2	98.6	98.6	98.6	98.6	0	0	0	0
27	0.5	0.5	0.5	0.3	98.6	98.6	98.7	98.7	0	0	0	0
28	0.3	0.1	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
29	0.1	0.1	0.2	0.1	98.5	98.6	98.6	98.6	0	0	0	0
30	0.2	0.2	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
31	0.1	0.1	0.1	0.1	98.6	98.6	98.6	98.6	0	0	0	0
32	0.1	0.1	0.1	0.1	98.5	98.6	98.6	98.6	0	0	0	0
33	5.1	1.7	1.9	1.8	98.9	99.3	99.6	99.6	0	0	0	0
34	0.2	0.2	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
35	0.7	0.3	0.4	0.2	98.6	98.6	98.7	98.7	0	0	0	0
36	0.2	0.2	0.2	0.2	98.6	98.6	98.6	98.6	0	0	0	0
37	0.5	0.2	0.2	0.1	98.6	98.6	98.6	98.6	0	0	0	0
38	1.3	0.8	0.9	0.6	98.6	98.7	98.8	98.9	0	0	0	0
Boundary Maximum	9.0	5.4	5.3	2.3	99.4	99.5	99.9	99.9	1	1	0	0

Note: Grey shaded cell indicates exceedance of applicable criterion

Note: Maximum ambient 24-hour average PM₁₀ background concentration in exceedance of criterion due to bushfire event

Table C31 – Annual Average PM ₁₀ Predictions – Southern Site Configuration								
Receptor ID	Incremental Annual Average PM ₁₀ Concentration (µg/m ³)				Cumulative Annual Average PM ₁₀ Concentration (µg/m ³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
1	<0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
2	0.1	0.1	0.2	0.2	20.5	20.5	20.6	20.6
3	0.1	0.2	0.2	0.2	20.6	20.6	20.6	20.6
4	0.1	0.2	0.2	0.2	20.6	20.6	20.6	20.6
5	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
6	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
7	<0.1	<0.1	0.1	0.1	20.4	20.4	20.5	20.5
8	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
9	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
10	<0.1	<0.1	0.1	0.1	20.4	20.4	20.5	20.5
11	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
12	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
13	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
14	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
15	<0.1	<0.1	0.1	<0.1	20.4	20.4	20.5	20.4
16	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
17	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
18	<0.1	<0.1	0.1	0.1	20.4	20.4	20.5	20.5
19	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
20	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
21	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
22	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
23	<0.1	<0.1	0.1	<0.1	20.4	20.4	20.5	20.4
24	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
25	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
26	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
27	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5

Table C31 – Annual Average PM₁₀ Predictions – Southern Site Configuration								
Receptor ID	Incremental Annual Average PM₁₀ Concentration (µg/m³)				Cumulative Annual Average PM₁₀ Concentration (µg/m³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
28	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
29	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
30	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
31	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
32	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
33	0.9	0.8	1.0	0.9	21.2	21.2	21.4	21.3
34	<0.1	<0.1	0.1	<0.1	20.4	20.4	20.5	20.4
35	0.1	0.1	0.1	0.1	20.5	20.5	20.5	20.5
36	<0.1	<0.1	<0.1	<0.1	20.4	20.4	20.4	20.4
37	<0.1	0.1	0.1	0.1	20.4	20.5	20.5	20.5
38	0.1	0.2	0.3	0.3	20.5	20.6	20.7	20.7
Boundary Maximum	1.4	1.2	1.3	1.2	21.8	21.6	21.7	21.6

Table C32 – 24-hour Average PM_{2.5} Predictions – Southern Site Configuration												
Receptor ID	Maximum Incremental 24-hour Average PM_{2.5} Concentration (µg/m³)				Maximum Cumulative 24-hour Average PM_{2.5} Concentration (µg/m³)				Number of Additional Exceedance Days Cumulative PM_{2.5} >25µg/m³			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
1	0.1	0.1	0.2	0.2	73.8	73.9	73.9	74.0	0	0	0	0
2	0.1	0.2	0.3	0.3	73.8	73.9	74.0	74.0	0	0	0	0
3	0.1	0.3	0.4	0.5	73.8	73.9	74.0	74.1	0	0	0	0
4	0.2	0.2	0.4	0.5	73.9	74.0	74.1	74.2	0	0	0	0
5	0.1	0.1	0.2	0.3	73.9	73.9	73.9	74.0	0	0	0	0
6	0.1	0.2	0.4	0.5	73.9	73.9	73.9	74.0	0	0	0	0
7	0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
8	<0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
9	<0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
10	<0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
11	0.1	0.1	0.2	0.2	73.9	73.9	73.9	73.9	0	0	0	0
12	0.1	0.1	0.2	0.2	73.8	73.9	73.9	73.9	0	0	0	0
13	0.1	0.1	0.2	0.2	73.9	73.9	73.9	73.9	0	0	0	0
14	0.1	0.2	0.2	0.3	73.8	73.9	74.0	74.0	0	0	0	0
15	<0.1	0.1	0.1	0.2	73.8	73.9	73.9	73.9	0	0	0	0
16	<0.1	<0.1	0.1	0.1	73.8	73.8	73.9	73.9	0	0	0	0
17	0.1	0.1	0.2	0.2	73.8	73.9	73.9	73.9	0	0	0	0
18	<0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
19	<0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
20	<0.1	<0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
21	<0.1	<0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
22	0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
23	0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
24	0.1	0.1	0.2	0.3	73.8	73.9	73.9	73.9	0	0	0	0
25	0.1	0.2	0.4	0.5	73.9	73.9	74.0	74.0	0	0	0	0

Table C32 – 24-hour Average PM_{2.5} Predictions – Southern Site Configuration												
Receptor ID	Maximum Incremental 24-hour Average PM_{2.5} Concentration (µg/m³)				Maximum Cumulative 24-hour Average PM_{2.5} Concentration (µg/m³)				Number of Additional Exceedance Days Cumulative PM_{2.5} >25µg/m³			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
26	0.1	0.1	0.2	0.2	73.8	73.9	73.9	73.9	0	0	0	0
27	0.1	0.2	0.3	0.3	73.8	73.9	73.9	74.0	0	0	0	0
28	<0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
29	<0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
30	<0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
31	<0.1	<0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
32	<0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
33	0.8	1.3	1.7	1.8	73.9	74.5	74.9	74.9	0	0	0	0
34	<0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
35	0.1	0.1	0.2	0.2	73.9	73.9	74.0	74.0	0	0	0	0
36	<0.1	0.1	0.1	0.2	73.8	73.9	73.9	73.9	0	0	0	0
37	0.1	0.1	0.1	0.1	73.8	73.9	73.9	73.9	0	0	0	0
38	0.2	0.3	0.4	0.6	73.9	74.0	74.1	74.2	0	0	0	0
Boundary Maximum	1.4	1.6	2.3	2.3	74.0	74.7	75.2	75.2	0	0	0	0

Note: Grey shaded cell indicates exceedance of applicable criterion

Note: Maximum ambient 24-hour average PM_{2.5} background concentration in exceedance of criterion due to bushfire event

Table C33 – Annual Average PM _{2.5} Predictions – Southern Site Configuration								
Receptor ID	Incremental Annual Average PM _{2.5} Concentration (µg/m ³)				Cumulative Annual Average PM _{2.5} Concentration (µg/m ³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
1	<0.1	0.1	0.1	0.1	7.6	7.7	7.7	7.7
2	<0.1	0.1	0.1	0.2	7.6	7.7	7.7	7.8
3	<0.1	0.1	0.2	0.2	7.6	7.7	7.8	7.8
4	<0.1	0.1	0.2	0.2	7.6	7.7	7.8	7.8
5	<0.1	<0.1	<0.1	0.1	7.6	7.6	7.6	7.7
6	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
7	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
8	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
9	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
10	<0.1	<0.1	<0.1	0.1	7.6	7.6	7.6	7.7
11	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
12	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
13	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
14	<0.1	0.1	0.1	0.1	7.6	7.7	7.7	7.7
15	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
16	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
17	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
18	<0.1	<0.1	<0.1	0.1	7.6	7.6	7.6	7.7
19	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
20	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
21	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
22	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
23	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
24	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
25	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
26	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
27	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7

Table C33 – Annual Average PM_{2.5} Predictions – Southern Site Configuration								
Receptor ID	Incremental Annual Average PM_{2.5} Concentration (µg/m³)				Cumulative Annual Average PM_{2.5} Concentration (µg/m³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
28	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
29	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
30	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
31	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
32	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
33	0.2	0.6	0.9	0.9	7.8	8.2	8.5	8.5
34	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
35	<0.1	0.1	0.1	0.1	7.6	7.7	7.7	7.7
36	<0.1	<0.1	<0.1	<0.1	7.6	7.6	7.6	7.6
37	<0.1	<0.1	0.1	0.1	7.6	7.6	7.7	7.7
38	<0.1	0.1	0.2	0.3	7.6	7.7	7.8	7.9
Boundary Maximum	0.3	0.8	1.2	1.2	7.9	8.4	8.8	8.8

Table C34 – Incremental 1-hour Average NO _x and Incremental and Cumulative 1-hour Average NO ₂ Predictions – Southern Site Configuration												
Receptor ID	Maximum Incremental 1-hour Average NO _x Concentration (µg/m ³)				Maximum Incremental 1-hour Average NO ₂ Concentration (µg/m ³)				Maximum Cumulative 1-hour Average NO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
1	6.7	18.2	25.7	30.6	6.7	18.2	19.0	22.9	114.8	114.8	114.8	114.8
2	7.8	21.3	26.0	34.2	7.4	21.3	22.6	28.8	114.8	114.8	114.8	115.1
3	9.7	33.8	50.3	62.6	8.5	31.9	49.4	59.4	114.8	114.8	115.5	126.3
4	12.2	45.9	63.8	80.3	12.2	38.8	54.9	66.4	114.8	114.8	114.8	115.0
5	9.0	22.7	31.0	37.3	8.1	22.7	30.4	36.3	114.8	114.8	114.8	114.8
6	10.1	30.0	43.3	52.6	10.1	26.6	36.4	44.2	114.8	114.8	114.8	114.8
7	7.5	21.1	25.5	27.1	7.5	21.1	25.1	25.3	114.8	114.8	114.8	114.8
8	4.3	13.7	20.4	22.8	4.3	13.7	20.4	22.8	114.8	114.8	114.8	114.8
9	7.7	25.0	29.9	32.8	7.7	25.0	29.7	29.6	114.8	114.8	114.8	114.8
10	4.6	10.8	11.4	10.8	4.6	10.8	11.4	10.8	114.8	114.8	114.8	114.8
11	5.0	19.1	18.3	20.4	4.3	11.4	13.0	14.3	114.8	114.8	114.8	114.8
12	7.2	18.3	21.3	24.3	4.6	10.0	11.8	13.1	114.8	114.8	114.8	114.8
13	5.6	15.3	19.6	22.7	4.6	9.6	11.8	13.2	114.8	114.8	114.8	114.8
14	7.9	17.6	18.6	21.2	6.8	14.8	16.1	18.6	114.8	114.8	114.8	114.8
15	4.6	18.1	25.7	28.7	4.6	18.1	25.7	28.7	114.8	114.8	114.8	114.8
16	7.1	15.1	21.5	23.0	7.1	15.1	21.5	23.0	114.8	114.8	114.8	114.8
17	6.7	18.9	23.6	26.0	4.7	11.6	15.4	17.7	114.8	114.8	114.8	114.8
18	10.8	22.7	23.8	26.6	9.4	20.9	21.5	24.4	114.8	114.8	114.8	114.8
19	10.1	28.8	34.5	37.1	8.0	22.0	33.9	36.3	114.8	114.8	114.8	114.8
20	4.5	12.7	19.4	21.5	4.5	12.7	19.2	21.5	114.8	114.8	114.8	114.8
21	5.2	16.5	20.3	21.4	5.2	15.8	19.0	21.4	114.8	114.8	114.8	114.8
22	7.1	18.6	22.6	26.0	4.6	9.3	9.9	11.0	114.8	114.8	114.8	114.8
23	5.1	13.8	17.7	20.4	4.0	8.4	9.7	10.3	114.8	114.8	114.8	114.8
24	7.2	19.1	28.0	34.0	6.9	19.1	27.1	32.9	114.8	114.8	114.8	114.8
25	9.6	27.9	38.1	45.6	9.6	25.6	34.9	42.0	114.8	114.8	114.8	114.8

Table C34 – Incremental 1-hour Average NO_x and Incremental and Cumulative 1-hour Average NO₂ Predictions – Southern Site Configuration												
Receptor ID	Maximum Incremental 1-hour Average NO_x Concentration (µg/m³)				Maximum Incremental 1-hour Average NO₂ Concentration (µg/m³)				Maximum Cumulative 1-hour Average NO₂ Concentration (µg/m³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
26	6.6	19.8	26.6	32.2	6.6	19.8	26.5	31.8	114.8	114.8	114.8	114.8
27	11.6	36.5	50.5	61.3	11.1	34.1	49.3	54.6	114.8	114.8	114.8	114.8
28	6.3	18.9	26.3	32.0	6.2	17.8	26.3	32.0	114.8	114.8	114.8	114.8
29	4.4	13.1	21.0	25.1	4.4	13.1	21.0	25.1	114.8	114.8	114.8	114.8
30	3.6	7.7	13.8	16.8	3.6	7.7	13.7	14.0	114.8	114.8	114.8	114.8
31	2.5	6.5	9.8	11.0	2.5	6.5	9.8	11.0	114.8	114.8	114.8	114.8
32	4.0	10.1	12.5	13.6	4.0	10.1	12.5	13.6	114.8	114.8	114.8	114.8
33	70.1	128.5	136.9	140.3	44.4	59.9	69.6	69.8	114.8	123.8	135.2	135.4
34	6.2	18.5	19.7	18.5	6.2	18.5	19.7	18.5	114.8	114.8	114.8	114.8
35	6.0	15.9	21.0	24.3	5.2	13.0	15.2	15.9	114.8	114.8	114.8	114.8
36	6.0	19.9	27.7	30.9	6.0	19.9	27.3	29.4	114.8	114.8	114.8	114.8
37	4.7	12.8	16.0	17.9	4.7	12.8	16.0	17.9	114.8	114.8	114.8	114.8
38	10.0	31.5	37.5	48.7	8.0	25.1	33.7	41.4	114.8	114.8	119.1	119.9
Boundary Maximum	82.2	153.5	184.5	181.5	46.2	67.8	79.8	78.7	114.8	133.2	138.8	138.4

Note: NO₂ concentrations converted from NO_x predictions using the OLM approach

Table C35 – Incremental Annual Average NO _x and Incremental and Cumulative Annual Average NO ₂ Predictions – Southern Site Configuration												
Receptor ID	Maximum Incremental 1-hour Average NO _x Concentration (µg/m ³)				Incremental Annual Average NO ₂ Concentration (µg/m ³)				Incremental Annual Average NO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
1	0.2	1.9	3.1	4.0	0.1	1.3	2.0	2.5	22.8	24.0	24.7	25.2
2	0.2	2.6	4.2	5.7	0.2	1.7	2.6	3.4	22.9	24.4	25.3	26.1
3	0.3	3.5	5.9	8.2	0.2	2.3	3.5	4.6	22.9	25.0	26.2	27.3
4	0.2	3.6	5.8	7.7	0.2	2.4	3.5	4.3	22.9	25.1	26.2	27.0
5	0.1	1.2	1.7	2.0	0.1	1.0	1.3	1.5	22.8	23.7	24.0	24.2
6	0.1	1.8	2.6	2.8	0.1	1.4	1.9	2.0	22.8	24.1	24.6	24.7
7	0.1	1.6	2.2	2.2	0.1	1.1	1.5	1.5	22.8	23.8	24.2	24.2
8	0.1	0.9	1.2	1.2	<0.1	0.6	0.9	0.9	22.7	23.3	23.6	23.6
9	0.1	1.0	1.4	1.4	0.1	0.7	1.0	0.9	22.7	23.4	23.7	23.6
10	0.1	1.4	2.0	1.9	0.1	1.0	1.3	1.2	22.8	23.7	24.0	23.9
11	0.1	1.6	2.6	2.7	0.1	1.1	1.6	1.7	22.8	23.8	24.3	24.4
12	0.2	1.7	2.9	3.0	0.1	1.2	1.8	1.9	22.8	23.9	24.5	24.6
13	0.2	1.7	2.8	3.0	0.1	1.1	1.8	1.9	22.8	23.8	24.4	24.6
14	0.2	2.3	3.7	4.4	0.2	1.6	2.4	2.7	22.9	24.3	25.1	25.4
15	0.1	1.3	1.7	1.7	0.1	0.9	1.2	1.1	22.8	23.6	23.9	23.8
16	0.0	0.3	0.4	0.4	<0.1	0.2	0.3	0.3	22.7	22.9	23.0	23.0
17	0.2	1.8	3.0	3.2	0.1	1.2	1.9	2.0	22.8	23.9	24.6	24.6
18	0.1	0.9	1.5	1.9	0.1	0.7	1.1	1.3	22.8	23.4	23.8	24.0
19	0.0	0.5	0.8	0.8	<0.1	0.4	0.6	0.6	22.7	23.1	23.3	23.3
20	0.0	0.6	0.9	0.9	<0.1	0.5	0.6	0.6	22.7	23.1	23.3	23.3
21	0.0	0.5	0.7	0.7	<0.1	0.4	0.5	0.6	22.7	23.1	23.2	23.3
22	0.1	1.4	2.3	2.4	0.1	1.0	1.5	1.6	22.8	23.7	24.2	24.2
23	0.1	1.0	1.6	1.7	0.1	0.7	1.1	1.1	22.8	23.4	23.8	23.8
24	0.1	0.6	1.0	1.1	0.1	0.5	0.8	0.8	22.7	23.2	23.4	23.5
25	0.1	1.7	2.4	2.8	0.1	1.4	1.9	2.0	22.8	24.1	24.6	24.7

Table C35 – Incremental Annual Average NO _x and Incremental and Cumulative Annual Average NO ₂ Predictions – Southern Site Configuration												
Receptor ID	Maximum Incremental 1-hour Average NO _x Concentration (µg/m ³)				Incremental Annual Average NO ₂ Concentration (µg/m ³)				Incremental Annual Average NO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
26	0.1	0.6	0.9	1.0	0.1	0.5	0.7	0.8	22.7	23.2	23.4	23.4
27	0.1	1.5	2.4	3.0	0.1	1.1	1.7	2.0	22.8	23.8	24.4	24.7
28	0.1	0.6	0.9	1.1	<0.1	0.5	0.7	0.8	22.7	23.2	23.4	23.5
29	0.0	0.5	0.8	1.0	<0.1	0.4	0.6	0.7	22.7	23.1	23.3	23.4
30	0.1	0.6	1.1	1.3	<0.1	0.5	0.8	0.9	22.7	23.2	23.5	23.6
31	0.0	0.4	0.7	0.9	<0.1	0.3	0.5	0.6	22.7	23.0	23.2	23.3
32	0.0	0.4	0.6	0.8	<0.1	0.3	0.5	0.6	22.7	23.0	23.2	23.3
33	2.8	21.2	33.2	33.8	2.1	10.0	12.1	12.2	24.8	32.7	34.8	34.9
34	0.1	1.1	1.5	1.5	0.1	0.8	1.1	1.1	22.8	23.5	23.8	23.8
35	0.2	2.1	3.5	3.9	0.2	1.4	2.2	2.4	22.9	24.1	24.9	25.1
36	0.0	0.6	0.9	0.9	<0.1	0.5	0.7	0.7	22.7	23.2	23.3	23.4
37	0.1	1.2	1.9	2.2	0.1	0.9	1.3	1.5	22.8	23.6	24.0	24.2
38	0.3	4.7	7.7	10.5	0.2	3.0	4.5	5.7	22.9	25.7	27.2	28.4
Boundary Maximum	3.1	28.0	44.3	43.6	2.4	11.8	14.8	14.6	25.1	34.5	37.5	37.3

Note: NO₂ concentrations converted from NO_x predictions using the OLM approach

Table C37 – Incremental 1-hour, 24-hour and Annual Average SO ₂ Predictions – Southern Site Configuration												
Receptor ID	Maximum Incremental 1-hour Average SO ₂ Concentration (µg/m ³)				Maximum Incremental 24-hour Average SO ₂ Concentration (µg/m ³)				Incremental Annual Average SO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3	<0.1	<0.1	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
4	<0.1	0.1	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
11	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
12	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
14	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
15	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
16	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
17	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
18	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
19	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
20	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
21	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
22	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
23	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
24	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
25	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1

Table C37 – Incremental 1-hour, 24-hour and Annual Average SO ₂ Predictions – Southern Site Configuration												
Receptor ID	Maximum Incremental 1-hour Average SO ₂ Concentration (µg/m ³)				Maximum Incremental 24-hour Average SO ₂ Concentration (µg/m ³)				Incremental Annual Average SO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
26	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
27	<0.1	<0.1	0.1	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
28	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
29	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
30	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
31	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
32	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
33	0.1	0.1	0.1	0.1	<0.1	0.1	0.1	0.1	<0.1	<0.1	<0.1	<0.1
34	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
35	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
36	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
37	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
38	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Boundary Maximum	0.1	0.2	0.2	0.2	<0.1	0.1	0.1	0.1	<0.1	<0.1	<0.1	<0.1

Table C38 – Cumulative 1-hour, 24-hour and Annual Average SO ₂ Predictions – Southern Site Configuration												
Receptor ID	Maximum Cumulative 1-hour Average SO ₂ Concentration (µg/m ³)				Maximum Cumulative 24-hour Average SO ₂ Concentration (µg/m ³)				Cumulative Annual Average SO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
1	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
2	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
3	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
4	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
5	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
6	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
7	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
8	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
9	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
10	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
11	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
12	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
13	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
14	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
15	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
16	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
17	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
18	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
19	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
20	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
21	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
22	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
23	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
24	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
25	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9

Table C38 – Cumulative 1-hour, 24-hour and Annual Average SO ₂ Predictions – Southern Site Configuration												
Receptor ID	Maximum Cumulative 1-hour Average SO ₂ Concentration (µg/m ³)				Maximum Cumulative 24-hour Average SO ₂ Concentration (µg/m ³)				Cumulative Annual Average SO ₂ Concentration (µg/m ³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
26	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
27	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
28	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
29	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
30	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
31	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
32	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
33	34.3	34.4	34.4	34.4	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
34	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
35	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
36	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
37	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
38	34.3	34.3	34.3	34.3	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9
Boundary Maximum	34.3	34.4	34.5	34.4	8.9	8.9	8.9	8.9	1.9	1.9	1.9	1.9

Table C39 – Incremental 1-hour and 8-hour Average CO Predictions – Southern Site Configuration								
Receptor ID	Incremental 1-hour Average CO Concentration (µg/m ³)				Incremental 8-hour Average CO Concentration (µg/m ³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
1	2.5	7.9	22.3	34.9	0.6	3.7	10.3	16.5
2	2.9	9.1	21.1	35.4	0.7	4.7	12.8	22.0
3	3.7	14.8	39.6	67.3	0.7	7.8	24.1	40.5
4	4.6	21.7	52.2	91.0	0.9	9.2	26.7	49.7
5	3.4	11.9	26.6	43.0	0.7	5.5	15.1	24.5
6	3.8	15.5	36.8	60.2	0.8	8.7	23.9	39.8
7	2.8	9.9	18.9	31.1	0.4	2.1	4.9	8.5
8	1.6	5.2	14.1	25.5	0.3	2.5	7.1	12.5
9	2.9	9.9	20.0	36.8	0.6	3.2	8.5	14.2
10	1.8	4.1	7.8	12.2	0.3	1.5	4.2	7.4
11	1.9	7.2	14.3	22.6	0.4	2.2	6.5	10.2
12	2.7	8.5	17.8	25.6	0.4	2.8	8.1	12.5
13	2.1	7.6	16.4	25.2	0.5	2.6	7.4	11.3
14	3.0	7.5	14.8	23.1	0.5	4.3	11.7	17.7
15	1.7	6.5	17.7	32.2	0.4	3.2	9.1	16.4
16	2.7	6.1	16.2	26.7	0.5	1.7	5.1	9.4
17	2.5	9.9	18.1	29.2	0.5	2.6	7.6	12.0
18	4.1	9.6	18.1	28.6	0.5	1.9	4.8	7.4
19	3.8	11.3	24.5	42.2	0.5	2.4	6.5	11.0
20	1.7	5.1	13.7	24.0	0.2	2.2	6.4	11.7
21	2.0	7.0	14.2	24.0	0.3	1.7	4.9	8.6
22	2.7	9.1	19.0	27.9	0.4	2.3	6.7	10.4
23	1.9	6.9	14.5	22.8	0.4	1.8	4.7	7.3
24	2.7	9.8	23.7	38.8	0.5	4.5	13.5	22.4
25	3.6	14.2	32.5	52.1	0.8	8.3	23.1	38.0
26	2.5	10.0	22.6	36.7	0.5	3.8	10.4	17.4
27	4.4	18.4	42.4	69.5	0.7	8.1	22.8	37.0

Table C39 – Incremental 1-hour and 8-hour Average CO Predictions – Southern Site Configuration								
Receptor ID	Incremental 1-hour Average CO Concentration (µg/m³)				Incremental 8-hour Average CO Concentration (µg/m³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
28	2.4	9.1	22.1	35.8	0.4	2.4	7.3	13.8
29	1.7	6.4	16.8	27.6	0.3	2.1	6.3	9.7
30	1.3	3.8	11.0	18.7	0.4	1.2	3.6	6.0
31	1.0	3.0	7.5	11.3	0.2	1.1	3.5	5.4
32	1.5	4.1	10.9	15.0	0.2	1.6	4.8	7.0
33	26.4	62.7	104.2	133.6	5.3	39.3	83.4	107.9
34	2.3	7.3	12.5	20.6	0.3	1.6	4.0	6.9
35	2.3	7.9	17.4	27.4	0.5	3.5	9.1	13.7
36	2.3	7.6	19.8	34.8	0.5	3.6	10.4	18.3
37	1.8	6.1	12.7	20.2	0.4	1.9	5.3	8.1
38	3.8	13.8	29.3	55.4	0.7	7.2	19.8	39.3
Boundary Maximum	31.0	78.4	133.8	166.0	6.2	52.4	107.9	135.0

Table C40 – Cumulative 1-hour and 8-hour Average CO Predictions – Southern Site Configuration								
Receptor ID	Cumulative 1-hour Average CO Concentration (µg/m ³)				Cumulative 8-hour Average CO Concentration (µg/m ³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
1	5,000.0	5,000.0	5,000.0	5,000.0	2,062.3	2,063.2	2,065.1	2,067.0
2	5,000.0	5,000.0	5,000.0	5,000.0	2,062.3	2,063.5	2,066.1	2,068.8
3	5,000.0	5,000.0	5,000.0	5,000.0	2,062.3	2,064.0	2,067.3	2,071.6
4	5,000.0	5,000.0	5,000.0	5,000.0	2,062.3	2,063.9	2,066.9	2,071.4
5	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.4	2,062.9	2,063.5
6	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.6	2,063.5	2,064.6
7	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.7	2,063.7	2,065.0
8	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.4	2,063.0	2,063.8
9	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.5	2,063.2	2,064.1
10	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.6	2,063.6	2,064.7
11	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.9	2,064.4	2,065.7
12	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,063.0	2,064.6	2,066.0
13	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,063.1	2,064.8	2,066.2
14	5,000.0	5,000.0	5,000.0	5,000.0	2,062.3	2,063.2	2,064.9	2,066.3
15	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.6	2,063.4	2,064.4
16	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.2	2,062.5	2,062.8
17	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,063.0	2,064.9	2,066.3
18	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.6	2,063.5	2,064.3
19	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.7	2,063.2
20	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.8	2,063.3
21	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.6	2,063.0
22	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.8	2,064.2	2,065.3
23	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.7	2,063.6	2,064.5
24	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.6	2,063.0
25	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.5	2,063.3	2,064.3
26	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.2	2,062.6	2,062.9
27	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.7	2,063.8	2,065.1

Table C40 – Cumulative 1-hour and 8-hour Average CO Predictions – Southern Site Configuration								
Receptor ID	Cumulative 1-hour Average CO Concentration (µg/m³)				Cumulative 8-hour Average CO Concentration (µg/m³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
28	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.7	2,063.2
29	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.7	2,063.1
30	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.4	2,063.1	2,063.7
31	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.7	2,063.1
32	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.7	2,063.0
33	5,000.0	5,000.0	5,000.0	5,000.0	2,064.2	2,075.9	2,090.7	2,099.2
34	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.5	2,063.2	2,064.1
35	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,063.2	2,065.2	2,066.7
36	5,000.0	5,000.0	5,000.0	5,000.0	2,062.1	2,062.3	2,062.8	2,063.3
37	5,000.0	5,000.0	5,000.0	5,000.0	2,062.2	2,062.6	2,063.4	2,064.2
38	5,000.0	5,000.0	5,000.0	5,000.0	2,062.4	2,064.6	2,068.8	2,075.4
Boundary Maximum	5,000.0	5,000.0	5,000.0	5,000.0	2,064.6	2,080.2	2,098.8	2,108.2

Table C41 – Incremental 99.9 th Percentile 1-hour Average Benzene, Toluene and Xylenes Predictions – Southern Site Configuration												
Receptor ID	99.9 th Percentile Incremental 1-hour Average Benzene Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Toluene Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Xylenes Concentration (µg/m ³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
1	<0.001	0.003	0.009	0.002	<0.001	0.001	0.003	0.001	<0.001	0.001	0.004	0.001
2	0.001	0.003	0.010	0.003	<0.001	0.001	0.004	0.001	<0.001	0.001	0.004	0.001
3	0.001	0.006	0.022	0.005	<0.001	0.002	0.008	0.002	<0.001	0.003	0.009	0.002
4	0.001	0.009	0.028	0.005	<0.001	0.003	0.010	0.002	<0.001	0.004	0.012	0.002
5	0.001	0.005	0.015	0.001	<0.001	0.002	0.005	<0.001	<0.001	0.002	0.006	0.001
6	0.001	0.006	0.019	0.002	<0.001	0.002	0.007	0.001	<0.001	0.003	0.008	0.001
7	<0.001	0.001	0.004	0.002	<0.001	<0.001	0.001	0.001	<0.001	0.001	0.002	0.001
8	<0.001	0.002	0.007	0.001	<0.001	0.001	0.002	<0.001	<0.001	0.001	0.003	<0.001
9	<0.001	0.004	0.010	0.001	<0.001	0.001	0.004	<0.001	<0.001	0.002	0.004	<0.001
10	<0.001	0.001	0.004	0.001	<0.001	<0.001	0.001	<0.001	<0.001	0.001	0.002	0.001
11	<0.001	0.002	0.005	0.002	<0.001	0.001	0.002	0.001	<0.001	0.001	0.002	0.001
12	<0.001	0.002	0.006	0.002	<0.001	0.001	0.002	0.001	<0.001	0.001	0.003	0.001
13	<0.001	0.002	0.005	0.002	<0.001	0.001	0.002	0.001	<0.001	0.001	0.002	0.001
14	0.001	0.002	0.008	0.003	<0.001	0.001	0.003	0.001	<0.001	0.001	0.003	0.001
15	<0.001	0.003	0.009	0.001	<0.001	0.001	0.003	<0.001	<0.001	0.001	0.004	0.001
16	<0.001	0.002	0.007	<0.001	<0.001	0.001	0.003	<0.001	<0.001	0.001	0.003	<0.001
17	<0.001	0.002	0.006	0.002	<0.001	0.001	0.002	0.001	<0.001	0.001	0.002	0.001
18	<0.001	0.002	0.005	0.001	<0.001	0.001	0.002	<0.001	<0.001	0.001	0.002	<0.001
19	<0.001	0.004	0.012	0.001	<0.001	0.001	0.004	<0.001	<0.001	0.002	0.005	<0.001
20	<0.001	0.002	0.007	0.001	<0.001	0.001	0.002	<0.001	<0.001	0.001	0.003	<0.001
21	<0.001	0.002	0.007	0.001	<0.001	0.001	0.002	<0.001	<0.001	0.001	0.003	<0.001
22	<0.001	0.002	0.005	0.002	<0.001	0.001	0.002	0.001	<0.001	0.001	0.002	0.001
23	<0.001	0.002	0.004	0.001	<0.001	0.001	0.001	<0.001	<0.001	0.001	0.002	<0.001
24	<0.001	0.004	0.012	0.001	<0.001	0.001	0.004	<0.001	<0.001	0.002	0.005	<0.001
25	0.001	0.006	0.018	0.002	<0.001	0.002	0.006	0.001	<0.001	0.003	0.008	0.001

Table C41 – Incremental 99.9 th Percentile 1-hour Average Benzene, Toluene and Xylenes Predictions – Southern Site Configuration												
Receptor ID	99.9 th Percentile Incremental 1-hour Average Benzene Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Toluene Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Xylenes Concentration (µg/m ³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
26	<0.001	0.004	0.012	0.001	<0.001	0.001	0.004	<0.001	<0.001	0.002	0.005	<0.001
27	0.001	0.008	0.023	0.002	<0.001	0.003	0.008	0.001	<0.001	0.003	0.010	0.001
28	<0.001	0.004	0.011	0.001	<0.001	0.001	0.004	<0.001	<0.001	0.002	0.005	<0.001
29	<0.001	0.003	0.008	0.001	<0.001	0.001	0.003	<0.001	<0.001	0.001	0.004	<0.001
30	<0.001	0.001	0.004	0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.002	<0.001
31	<0.001	0.001	0.004	0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	0.002	<0.001
32	<0.001	0.001	0.005	<0.001	<0.001	<0.001	0.002	<0.001	<0.001	0.001	0.002	<0.001
33	0.005	0.023	0.054	0.017	0.002	0.008	0.019	0.006	0.002	0.010	0.023	0.007
34	<0.001	0.001	0.004	0.001	<0.001	<0.001	0.002	<0.001	<0.001	0.001	0.002	<0.001
35	<0.001	0.003	0.007	0.002	<0.001	0.001	0.002	0.001	<0.001	0.001	0.003	0.001
36	<0.001	0.003	0.010	0.001	<0.001	0.001	0.003	<0.001	<0.001	0.001	0.004	<0.001
37	<0.001	0.002	0.005	0.001	<0.001	0.001	0.002	<0.001	<0.001	0.001	0.002	0.001
38	0.001	0.005	0.014	0.007	<0.001	0.002	0.005	0.002	<0.001	0.002	0.006	0.003
Boundary Maximum	0.006	0.029	0.068	0.022	0.002	0.010	0.024	0.008	0.003	0.012	0.029	0.009

Table C42 – Incremental 99.9 th Percentile 1-hour Average 1,3-butadiene, Formaldehyde and Acetaldehyde Predictions – Southern Site Configuration												
Receptor ID	99.9 th Percentile Incremental 1-hour Average 1,3-butadiene Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Formaldehyde Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Acetaldehyde Concentration (µg/m ³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
1	<0.001	<0.001	0.001	<0.001	0.004	0.023	0.073	0.021	0.001	0.004	0.012	0.003
2	<0.001	<0.001	0.001	<0.001	0.005	0.027	0.086	0.028	0.001	0.004	0.014	0.005
3	<0.001	0.001	0.003	0.001	0.006	0.053	0.186	0.040	0.001	0.009	0.031	0.007
4	<0.001	0.001	0.003	0.001	0.008	0.077	0.241	0.042	0.001	0.013	0.040	0.007
5	<0.001	0.001	0.002	<0.001	0.005	0.043	0.125	0.011	0.001	0.007	0.021	0.002
6	<0.001	0.001	0.002	<0.001	0.006	0.053	0.161	0.017	0.001	0.009	0.027	0.003
7	<0.001	<0.001	<0.001	<0.001	0.002	0.011	0.031	0.013	<0.001	0.002	0.005	0.002
8	<0.001	<0.001	0.001	<0.001	0.002	0.020	0.060	0.007	<0.001	0.003	0.010	0.001
9	<0.001	<0.001	0.001	<0.001	0.003	0.031	0.086	0.008	<0.001	0.005	0.014	0.001
10	<0.001	<0.001	<0.001	<0.001	0.002	0.010	0.031	0.011	<0.001	0.002	0.005	0.002
11	<0.001	<0.001	0.001	<0.001	0.003	0.015	0.043	0.014	0.001	0.002	0.007	0.002
12	<0.001	<0.001	0.001	<0.001	0.003	0.019	0.051	0.016	0.001	0.003	0.008	0.003
13	<0.001	<0.001	0.001	<0.001	0.003	0.019	0.046	0.016	0.001	0.003	0.008	0.003
14	<0.001	<0.001	0.001	<0.001	0.005	0.021	0.064	0.022	0.001	0.004	0.011	0.004
15	<0.001	<0.001	0.001	<0.001	0.003	0.025	0.074	0.010	<0.001	0.004	0.012	0.002
16	<0.001	<0.001	0.001	<0.001	0.002	0.019	0.062	0.002	<0.001	0.003	0.010	<0.001
17	<0.001	<0.001	0.001	<0.001	0.004	0.017	0.048	0.017	0.001	0.003	0.008	0.003
18	<0.001	<0.001	0.001	<0.001	0.003	0.013	0.039	0.010	<0.001	0.002	0.007	0.002
19	<0.001	<0.001	0.001	<0.001	0.003	0.036	0.099	0.005	0.001	0.006	0.017	0.001
20	<0.001	<0.001	0.001	<0.001	0.002	0.020	0.058	0.005	<0.001	0.003	0.010	0.001
21	<0.001	<0.001	0.001	<0.001	0.002	0.021	0.060	0.004	<0.001	0.003	0.010	0.001
22	<0.001	<0.001	0.001	<0.001	0.003	0.017	0.043	0.013	0.001	0.003	0.007	0.002
23	<0.001	<0.001	<0.001	<0.001	0.002	0.014	0.034	0.009	<0.001	0.002	0.006	0.002
24	<0.001	<0.001	0.001	<0.001	0.003	0.036	0.105	0.006	0.001	0.006	0.017	0.001
25	<0.001	0.001	0.002	<0.001	0.006	0.051	0.150	0.016	0.001	0.008	0.025	0.003

Table C42 – Incremental 99.9 th Percentile 1-hour Average 1,3-butadiene, Formaldehyde and Acetaldehyde Predictions – Southern Site Configuration												
Receptor ID	99.9 th Percentile Incremental 1-hour Average 1,3-butadiene Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Formaldehyde Concentration (µg/m ³)				99.9 th Percentile Incremental 1-hour Average Acetaldehyde Concentration (µg/m ³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
26	<0.001	<0.001	0.001	<0.001	0.003	0.036	0.105	0.006	0.001	0.006	0.017	0.001
27	<0.001	0.001	0.003	<0.001	0.007	0.065	0.195	0.016	0.001	0.011	0.033	0.003
28	<0.001	<0.001	0.001	<0.001	0.003	0.031	0.094	0.006	0.001	0.005	0.016	0.001
29	<0.001	<0.001	0.001	<0.001	0.002	0.024	0.071	0.005	<0.001	0.004	0.012	0.001
30	<0.001	<0.001	<0.001	<0.001	0.002	0.009	0.031	0.007	<0.001	0.002	0.005	0.001
31	<0.001	<0.001	<0.001	<0.001	0.001	0.010	0.033	0.005	<0.001	0.002	0.005	0.001
32	<0.001	<0.001	0.001	<0.001	0.001	0.012	0.045	0.004	<0.001	0.002	0.007	0.001
33	0.001	0.003	0.006	0.002	0.047	0.193	0.457	0.148	0.008	0.032	0.076	0.025
34	<0.001	<0.001	0.001	<0.001	0.002	0.011	0.037	0.009	<0.001	0.002	0.006	0.002
35	<0.001	<0.001	0.001	<0.001	0.004	0.023	0.058	0.020	0.001	0.004	0.010	0.003
36	<0.001	<0.001	0.001	<0.001	0.003	0.028	0.082	0.005	<0.001	0.005	0.014	0.001
37	<0.001	<0.001	0.001	<0.001	0.003	0.015	0.039	0.011	<0.001	0.002	0.007	0.002
38	<0.001	0.001	0.002	0.001	0.006	0.041	0.122	0.058	0.001	0.007	0.020	0.010
Boundary Maximum	0.001	0.003	0.008	0.003	0.055	0.243	0.578	0.184	0.009	0.040	0.096	0.031

Table C43 – Incremental 99.9 th Percentile 1-hour and Annual Average PAHs Predictions – Southern Site Configuration								
Receptor ID	Incremental 99.9 th Percentile 1-hour Average PAHs Concentration (µg/m ³)				Incremental Annual Average PAHs Concentration (µg/m ³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
1	0.002	0.004	0.002	0.002	<0.001	<0.001	<0.001	<0.001
2	0.003	0.005	0.002	0.002	<0.001	0.001	<0.001	<0.001
3	0.004	0.006	0.004	0.004	<0.001	0.001	0.001	0.001
4	0.005	0.009	0.005	0.005	<0.001	0.001	0.001	0.001
5	0.003	0.005	0.003	0.003	<0.001	<0.001	<0.001	<0.001
6	0.004	0.006	0.003	0.003	<0.001	<0.001	<0.001	<0.001
7	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
8	0.001	0.002	0.002	0.002	<0.001	<0.001	<0.001	<0.001
9	0.002	0.003	0.002	0.002	<0.001	<0.001	<0.001	<0.001
10	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
11	0.002	0.003	0.001	0.001	<0.001	<0.001	<0.001	<0.001
12	0.002	0.003	0.001	0.001	<0.001	<0.001	<0.001	<0.001
13	0.002	0.003	0.001	0.001	<0.001	<0.001	<0.001	<0.001
14	0.003	0.004	0.002	0.002	<0.001	0.001	<0.001	<0.001
15	0.002	0.002	0.002	0.002	<0.001	<0.001	<0.001	<0.001
16	0.001	0.002	0.002	0.002	<0.001	<0.001	<0.001	<0.001
17	0.002	0.004	0.001	0.001	<0.001	<0.001	<0.001	<0.001
18	0.002	0.003	0.001	0.001	<0.001	<0.001	<0.001	<0.001
19	0.002	0.003	0.003	0.002	<0.001	<0.001	<0.001	<0.001
20	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
21	0.001	0.002	0.002	0.002	<0.001	<0.001	<0.001	<0.001
22	0.002	0.003	0.001	0.001	<0.001	<0.001	<0.001	<0.001
23	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
24	0.002	0.003	0.002	0.002	<0.001	<0.001	<0.001	<0.001
25	0.003	0.006	0.003	0.003	<0.001	<0.001	<0.001	<0.001
26	0.002	0.003	0.002	0.002	<0.001	<0.001	<0.001	<0.001
27	0.004	0.007	0.004	0.004	<0.001	<0.001	<0.001	<0.001

Table C43 – Incremental 99.9th Percentile 1-hour and Annual Average PAHs Predictions – Southern Site Configuration								
Receptor ID	Incremental 99.9th Percentile 1-hour Average PAHs Concentration (µg/m³)				Incremental Annual Average PAHs Concentration (µg/m³)			
	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12	Phase A – Scenario 3	Phase B– Scenario 6	Phase C– Scenario 9	Full Build– Scenario 12
28	0.002	0.004	0.002	0.002	<0.001	<0.001	<0.001	<0.001
29	0.001	0.002	0.002	0.002	<0.001	<0.001	<0.001	<0.001
30	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
31	0.001	0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001
32	0.001	0.002	0.001	0.001	<0.001	<0.001	<0.001	<0.001
33	0.028	0.038	0.015	0.013	0.001	0.006	0.004	0.003
34	0.001	0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001
35	0.002	0.004	0.001	0.001	<0.001	<0.001	<0.001	<0.001
36	0.002	0.003	0.002	0.002	<0.001	<0.001	<0.001	<0.001
37	0.002	0.003	0.001	0.001	<0.001	<0.001	<0.001	<0.001
38	0.004	0.007	0.003	0.004	<0.001	0.001	0.001	0.001
Boundary Maximum	0.032	0.047	0.021	0.016	0.001	0.008	0.005	0.004