Year of Interest: All

		Short Term EQS or EAL µg/m3	Long Term EQS or EAL µg/m3	Background Concentration µg/m3
Benzene - surface	2021	0	5	0.287
Benzene - surface	2022	0	5	0.287
Benzene - surface	2023	0	5	0.287
Benzene - surface	2025	0	5	0.287
Benzene - surface	2026	0	5	0.287
Benzene - surface	2027	0	5	0.287
Carbon disulphide - surface	2026	100	64	0
Carbon disulphide - surface	2027	100	64	0
Hydrogen sulphide - surface	2021	150	140	0
Hydrogen sulphide - surface	2022	150	140	0
Hydrogen sulphide - surface	2023	150	140	0
Hydrogen sulphide - surface	2025	150	140	0
Hydrogen sulphide - surface	2026	150	140	0
Hydrogen sulphide - surface	2027	150	140	0
Nitrogen oxides (NOx) - engine	2024	200	40	9.7
Nitrogen oxides (NOx) - engine	2025	200	40	9.7
Nitrogen oxides (NOx) - engine	2026	200	40	9.7
Nitrogen oxides (NOx) - engine	2027	200	40	9.7
Nitrogen oxides (NOx) - engine	2028	200	40	9.7
Nitrogen oxides (NOx) - engine	2029	200	40	9.7
Nitrogen oxides (NOx) - engine	2030	200	40	9.7
Nitrogen oxides (NOx) - engine	2031	200	40	9.7
Nitrogen oxides (NOx) - engine	2032	200	40	9.7
Nitrogen oxides (NOx) - engine	2033	200	40	9.7
Nitrogen oxides (NOx) - engine	2034	200	40	9.7
Sulphur dioxide 15 min - engine	2024	266		3.53
Sulphur dioxide 24 hour - engine	2024	125		3.53
Sulphur dioxide 15 min - engine	2025	266		3.53

		Short Term EQS or EAL µg/m3	Long Term EQS or EAL µg/m3	Background Concentration µg/m3
Sulphur dioxide 24 hour - engine	2025	125		3.53
Sulphur dioxide 15 min - engine	2026	266		3.53
Sulphur dioxide 24 hour - engine	2026	125		3.53
Sulphur dioxide 15 min - engine	2027	266		3.53
Sulphur dioxide 24 hour - engine	2027	125		3.53
Sulphur dioxide - engine	2028	350	0	3.53
Sulphur dioxide 15 min - engine	2028	266		3.53
Sulphur dioxide 24 hour - engine	2028	125		3.53
Sulphur dioxide 15 min - engine	2029	266		3.53
Sulphur dioxide 24 hour - engine	2029	125		3.53
Sulphur dioxide 15 min - engine	2030	266		3.53
Sulphur dioxide 24 hour - engine	2030	125		3.53
Sulphur dioxide 15 min - engine	2031	266		3.53
Sulphur dioxide 24 hour - engine	2031	125		3.53
Sulphur dioxide 15 min - engine	2032	266		3.53
Sulphur dioxide 24 hour - engine	2032	125		3.53
Sulphur dioxide 15 min - engine	2033	266		3.53
Sulphur dioxide 24 hour - engine	2033	125		3.53
Sulphur dioxide 15 min - flare	2034	266		3.53

	Short Term				Long term			
	Predicted Boundary Concentration µg/m3	Predicted Nearest Receptor Concentration µg/m3	Is the emission rate Insignificant?	Is detailed modelling required?	Predicted Boundary Concentration µg/m3	Predicted Nearest Receptor Concentration µg/m3	Is the emission rate Insignificant?	Is detailed modelling required?
Benzene - surface - 2021	2.54404(23.0868m)	2.54404(39.1152m)	No EAL	No EAL	0.0524708(23.0868m)	0.0524708(39.1152m)	No	No
Benzene - surface - 2022	3.32797(23.0868m)	3.32797(39.1152m)	No EAL	No EAL	0.0686394(23.0868m)	0.0686394(39.1152m)	No	No
Benzene - surface - 2023	3.24937(23.0868m)	3.24937(39.1152m)	No EAL	No EAL	0.0670182(23.0868m)	0.0670182(39.1152m)	No	No
Benzene - surface - 2025	3.1984(23.0868m)	3.1984(39.1152m)	No EAL	No EAL	0.0659669(23.0868m)	0.0659669(39.1152m)	No	No
Benzene - surface - 2026	4.55658(23.0868m)	4.55658(39.1152m)	No EAL	No EAL	0.0939795(23.0868m)	0.0939795(39.1152m)	No	No
Benzene - surface - 2027	4.79294(23.0868m)	4.79294(39.1152m)	No EAL	No EAL	0.0988545(23.0868m)	0.0988545(39.1152m)	No	No
Carbon disulphide - surface - 2026	12.0426(23.0868m)	12.0426(39.1152m)	No	No	0.248378(23.0868m)	0.248378(39.1152m)	Yes	No
Carbon disulphide - surface - 2027	13.6205(23.0868m)	13.6205(39.1152m)	No	No	0.280922(23.0868m)	0.280922(39.1152m)	Yes	No
Hydrogen sulphide - surface - 2021	23.4867(23.0868m)	23.4867(39.1152m)	No	No	0.484414(23.0868m)	0.484414(39.1152m)	Yes	No
Hydrogen sulphide - surface - 2022	30.1747(23.0868m)	30.1747(39.1152m)	No	Yes	0.622354(23.0868m)	0.622354(39.1152m)	Yes	No
Hydrogen sulphide - surface - 2023	27.016(23.0868m)	27.016(39.1152m)	No	No	0.557204(23.0868m)	0.557204(39.1152m)	Yes	No
Hydrogen sulphide - surface - 2025	28.3109(23.0868m)	28.3109(39.1152m)	No	No	0.583913(23.0868m)	0.583913(39.1152m)	Yes	No
Hydrogen sulphide - surface - 2026	44.9638(23.0868m)	44.9638(39.1152m)	No	Yes	0.927378(23.0868m)	0.927378(39.1152m)	Yes	No
Hydrogen sulphide - surface - 2027	44.4347(23.0868m)	44.4347(39.1152m)	No	Yes	0.916466(23.0868m)	0.916466(39.1152m)	Yes	No
Nitrogen oxides (NOx) - engine - 2024	21.6156(34.3657m)	12.8504(94.2019m)	Yes (at receptor)	No	2.20394(34.3657m)	2.20394(94.2019m)	No	No
Nitrogen oxides (NOx) - engine - 2025	22.854(34.3657m)	13.5866(94.2019m)	Yes (at receptor)	No	2.33021(34.3657m)	2.33021(94.2019m)	No	No
Nitrogen oxides (NOx) - engine - 2026	24.254(34.3657m)	14.4189(94.2019m)	Yes (at receptor)	No	2.47295(34.3657m)	2.47295(94.2019m)	No	No
Nitrogen oxides (NOx) - engine - 2027	25.5514(34.3657m)	15.1901(94.2019m)	Yes (at receptor)	No	2.60524(34.3657m)	2.60524(94.2019m)	No	No
Nitrogen oxides (NOx) - engine - 2028	28.2335(34.3657m)	16.7847(94.2019m)	Yes (at receptor)	No	2.87871(34.3657m)	2.87871(94.2019m)	No	No
Nitrogen oxides (NOx) - engine - 2029	26.1646(34.3657m)	15.5547(94.2019m)	Yes (at receptor)	No	2.66776(34.3657m)	2.66776(94.2019m)	No	No
Nitrogen oxides (NOx) - engine - 2030	24.2436(34.3657m)	14.4127(94.2019m)	Yes (at receptor)	No	2.4719(34.3657m)	2.4719(94.2019m)	No	No
Nitrogen oxides (NOx) - engine - 2031	22.4683(34.3657m)	13.3573(94.2019m)	Yes (at receptor)	No	2.29089(34.3657m)	2.29089(94.2019m)	No	No
Nitrogen oxides (NOx) - engine - 2032	20.8272(34.3657m)	12.3816(94.2019m)	Yes (at receptor)	No	2.12355(34.3657m)	2.12355(94.2019m)	No	No
Nitrogen oxides (NOx) - engine - 2033	19.3098(34.3657m)	11.4796(94.2019m)	Yes	No	1.96884(34.3657m)	1.96884(94.2019m)	No	No
Nitrogen oxides (NOx) - engine - 2034	6.08122(34.3657m)	3.61525(94.2019m)	Yes	No	0.620046(34.3657m)	0.620046(94.2019m)	No	No
Sulphur dioxide 15 min - engine - 2024	38.5017(34.3657m)	22.8891(94.2019m)	Yes (at receptor)	No				
Sulphur dioxide 24 hour - engine - 2024	16.9523(34.3657m)	10.078(94.2019m)	Yes (at receptor)	No				
Sulphur dioxide 15 min - engine - 2025	40.7076(34.3657m)	24.2004(94.2019m)	Yes (at receptor)	No				
Sulphur dioxide 24 hour - engine - 2025	17.9235(34.3657m)	10.6554(94.2019m)	Yes (at receptor)	No				
Sulphur dioxide 15 min - engine - 2026	43.2012(34.3657m)	25.6829(94.2019m)	Yes (at receptor)	No				
Sulphur dioxide 24 hour - engine - 2026	19.0214(34.3657m)	11.3081(94.2019m)	Yes (at receptor)	No				
Sulphur dioxide 15 min - engine - 2027	45.5121(34.3657m)	27.0567(94.2019m)	No	No				
Sulphur dioxide 24 hour - engine - 2027	20.0389(34.3657m)	11.913(94.2019m)	Yes (at receptor)	No				
Sulphur dioxide - engine - 2028	37.5295(34.3657m)	22.3111(94.2019m)	Yes (at receptor)	No	1.91327(34.3657m)	1.91327(94.2019m)	No EAL	No EAL

	Short Term				Long term			
	Predicted Boundary Concentration µg/m3	Predicted Nearest Receptor Concentration µg/m3	Is the emission rate Insignificant?	Is detailed modelling required?	Predicted Boundary Concentration µg/m3	Predicted Nearest Receptor Concentration µg/m3	Is the emission rate Insignificant?	Is detailed modelling required?
Sulphur dioxide 15 min - engine - 2028	50.2895(34.3657m)	29.8969(94.2019m)	No	No				
Sulphur dioxide 24 hour - engine - 2028	22.1424(34.3657m)	13.1635(94.2019m)	No	No				
Sulphur dioxide 15 min - engine - 2029	46.6044(34.3657m)	27.7061(94.2019m)	No	No				
Sulphur dioxide 24 hour - engine - 2029	20.5198(34.3657m)	12.1989(94.2019m)	Yes (at receptor)	No				
Sulphur dioxide 15 min - engine - 2030	43.1828(34.3657m)	25.6719(94.2019m)	Yes (at receptor)	No				
Sulphur dioxide 24 hour - engine - 2030	19.0133(34.3657m)	11.3033(94.2019m)	Yes (at receptor)	No				
Sulphur dioxide 15 min - engine - 2031	40.0205(34.3657m)	23.792(94.2019m)	Yes (at receptor)	No				
Sulphur dioxide 24 hour - engine - 2031	17.621(34.3657m)	10.4756(94.2019m)	Yes (at receptor)	No				
Sulphur dioxide 15 min - engine - 2032	37.0974(34.3657m)	22.0542(94.2019m)	Yes (at receptor)	No				
Sulphur dioxide 24 hour - engine - 2032	16.3339(34.3657m)	9.71043(94.2019m)	Yes (at receptor)	No				
Sulphur dioxide 15 min - engine - 2033	34.3946(34.3657m)	20.4474(94.2019m)	Yes (at receptor)	No				
Sulphur dioxide 24 hour - engine - 2033	15.1439(34.3657m)	9.00296(94.2019m)	Yes (at receptor)	No				
Sulphur dioxide 15 min - flare - 2034	27.1864(34.3657m)	15.0489(95.0368m)	Yes (at receptor)	No				

Not Modelled:

1,1,1,2-Tetrafluorochloroethane
1,1,1-Trichlorotrifluoroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,1-Dichlorotetrafluoroethane
1,2-Dichloropropane
1,2-Dichlorotetrafluoroethane
1-butanethiol
1-Chloro-1,1-difluoroethane
2-butoxy ethanol
2-Chloro-1,1,1-trifluoroethane
2-Propanol
Bromodichloromethane
Butene isomers
Butyric acid
Carbonyl sulphide
Chlorobenzene
Chlorodifluoromethane
Chloroethane
Chlorofluorocarbons (CFCs) (Total)
Chlorofluoromethane
Chlorotrifluoromethane
Dichlorodifluoromethane
Dichlorofluoromethane
Diethyl disulphide
Dimethyl disulphide
Dimethyl sulphide
Dioxins and furans (modelled as 2,3,7,8-TCDD)
Ethane
Ethanethiol (ethyl mercaptan)
Ethanol
Ethyl butyrate
Ethyl toluene (all isomers)
Ethylene
Ethylene dibromide
Fluorotrichloromethane
Freon 113
Furan
Halons
Hexachlorocyclohexane (all isomers)
Hydrochlorofluorocarbons (HCFCs) (Total)
Hydrofluorocarbons (HFCs) (Total)

Limonene

Not Modelled:

Methanethiol (methyl mercaptan)
Methyl isobutyl ketone
Nitrogen dioxide (NO2)
Nitrogen monoxide (NO)
Odour Units (Predicted)
Pentane
Pentene (all isomers)
Perfluorocarbons (PFCs) (Total)
Propane
Propanethiol
Sulphide, total simulations with H2S
Sulphide, total simulations without H2S
t-1,2-Dichloroethene
Tetrachloroethane (modelled as 1,1,2,2-Tetrachloroethane)
Total non-methane volatile organic compounds (NMVOCs)
Total volatile organic compounds (VOCs)
Trichlorofluoromethane
Trichlorotrifluoroethane