

**Air Quality Health Risk Calculations (Worst-Case)
Skyline Terminal Tier 4 (REC3)**

From CalEE Annual Output	Emission per day (Ton/Total Construction Duration)	0.2013				
	Construction Start	3/1/2026				
	Construction Complete	3/15/2030				
	Days	1475				
	Construction Emission per day (lb/day)	0.272949153				
	Annual Duration (Days)	365				
	Annualized Emission Rate (Grams/Second)	0.001431088				
	Project Site Size (Acres)	13.8				
	Project Site Size (meters^2)	55846.61863				
	Length of Smalles Side (meters)	236.3188918				
Used as an input to AERMOD	Emission Rate over Grading Area(g/s-m^2)	2.56E-08				
From AERMOD	Concentration Annual (Ug/M^3)	0.023				
	Days	Days to years				
Duration	1475	4.04109589				
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From F15	0.023	0.023	0.023	0.023	0.023	0.023
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	290
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10^-6 Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00000797	0.00002407	0.00001901	0.00001645	0.00000740	0.00000640
Construction Days	1475	4.04109589				
potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED	0.25	2	2.04109589	0	0	0
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	2.6617E-07	6.42938E-06	1.31709E-06	0	0	0
Risk per million Exposed	0.266170457	6.429380571	1.317085671	0	0	0
Cancer Risk Per Million (Construction Duration)	8.01					

**Air Quality Health Risk Calculations (Worst-Case)
Metcalf Terminal (Tier 4)**

From CalEE Annual Output	Emission per day (Ton/Total Construction Duration)	0.0497				
	Construction Start	3/1/2026				
	Construction Complete	12/15/2027				
	Days	654				
	Construction Emission per day (lb/day)	0.151987768				
	Annual Duration (Days)	365				
	Annualized Emission Rate (Grams/Second)	0.00079688				
	Project Site Size (Acres)	13.8				
	Project Site Size (meters^2)	55846.61863				
	Length of Smalles Side (meters)	236.3188918				
Used as an input to AERMOD	Emission Rate over Grading Area(g/s-m^2)	1.43E-08				
From AERMOD	Concentration Annual (Ug/M^3)	0.0358				
	Days	Days to years				
Duration	654	1.791780822				
Age (Years)	3rd Trimester (0.25)	0-2	2-9	2-16	16-30	16-70
Cair (annual) - From F15	0.0358	0.0358	0.0358	0.0358	0.0358	0.0358
Breathing Rate per agegroup BR/BW (Page 5-25)	361	1090	861	745	335	290
A (Default is 1)	1	1	1	1	1	1
Exposure Frequency = EF (days/365days)	0.96	0.96	0.96	0.96	0.96	0.96
10^-6 Microgram to Milligram / liters to m3	0.000001	0.000001	0.000001	0.000001	0.000001	0.000001
Dose-inh	0.00001241	0.00003746	0.00002959	0.00002560	0.00001151	0.00000997
Construction Days	654	1.791780822				
potency factor for Diesel	1.1	1.1	1.1	1.1	1.1	1.1
Age Sensitivity Factor	10	10	3	3	1	1
ED	0.25	1.791780822	0	0	0	0
AT	70	70	70	70	70	70
FAH	0.85	0.85	0.72	0.72	0.73	0.73
Risk for Each Age Group	4.143E-07	8.9656E-06	0	0	0	0
Risk per million Exposed	0.414300103	8.965596974	0	0	0	0
Cancer Risk Per Million (Construction Duration)	9.38					