

Attachment 4A - PM2.5 Dispersion Model Input Calculation

San Jose B - Skyline Terminal Location

Year	PM 2.5 Annual Total from CalEEMod	Construction Start	Construction End	Construction Duration
2026	0.210	6/1/2026	12/31/2026	213
2027	0.042	12/31/2026	12/31/2027	365
2028	0.004	12/31/2027	2/15/2028	46

Metcalf Terminal Location

Year	PM 2.5 Annual Total	Construction Start	Construction End	Construction Duration
2026	0.185	6/1/2026	12/31/2026	213
2027	0.017	12/31/2026	12/31/2027	365
2028	0.002	12/31/2027	2/15/2028	46

Largest Emission Noted Skyline Terminal Location

Year	2026
Emission per day (Ton/Total Construction Duration)	0.210
Annual Construction Start	6/1/2026
Annual Construction Completion	12/31/2026
Construction Duration in 2026	213
Construction Emission per day (lb/day)	1.975
Annual 2026 Duration (Days)	365
Annualized Emission Rate (Grams/Second)	0.010
Project Site Size (Acres)	13.80
Project Site Size (meters^2)	55846.62
Length of Smalles Side (meters)	236.32
AERMOD Input Emission Rate (g/s-m^2)	1.85E-07

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AERMOD PRIME - (DATED 23132)

AERMODPrMSPx VERSION
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Run Began on 6/11/2024 at 11:04:45

** BREEZE AERMOD
** Trinity Consultants
** VERSION 12.0

CO STARTING
CO TITLEONE Skyline Terminal PM2.5
CO MODELOPT DEFAULT CONC NODRYDPLT NOWETDPLT
CO RUNORNOT RUN
CO AVERTIME ANNUAL
CO POLLUTID PM25
CO FINISHED

SO STARTING
SO ELEVUNIT METERS
SO LOCATION U0ARC001 AREAPOLY 597389.9 4133232.6 0
** SRCDESCR Construction Area
SO SRCPARAM U0ARC001 1.08E-07 3 11 1
SO AREAVERT U0ARC001 597389.9 4133232.6 597445 4133135.6 597410.8 4133103.7 597420.2 4133084.9
SO AREAVERT U0ARC001 597412.5 4133078.9 597400.4 4133096.5 597306.1 4133046.9 597257.1 4133140
SO AREAVERT U0ARC001 597273.1 4133206.7 597351.9 4133235.4 597389.9 4133232.6
SO SRCGROUP ALL
SO FINISHED

RE STARTING
RE ELEVUNIT METERS
RE DISCCART 597441.7 4133350 0 0
** SENSITIV
** RCPDESCR R1
RE DISCCART 597490.8 4133235.9 0 0
** SENSITIV
** RCPDESCR R2
RE DISCCART 597537.6 4133143.9 0 0
** SENSITIV
** RCPDESCR R3
RE FINISHED

ME STARTING
ME SURFFILE "C:\Users\ryan\MYDRIV~1\CIA265~1\23-31M~1\Models\AERMOD\SANJOS~2\KSJC_2017.SFC"
** SURFFILE "C:\Users\ryan\MYDRIV~1\CIA265~1\23-31M~1\Models\AERMOD\SANJOS~2\KSJC_2017.SFC"
ME PROFFILE "C:\Users\ryan\MYDRIV~1\CIA265~1\23-31M~1\Models\AERMOD\SANJOS~2\KSJC_2017.PFL"
** PROFFILE "C:\Users\ryan\MYDRIV~1\CIA265~1\23-31M~1\Models\AERMOD\SANJOS~2\KSJC_2017.PFL"
ME SURFDATA 23293 2017
ME UAIRDATA 23230 2017
ME PROFBASE 0 METERS
ME FINISHED

OU STARTING
OU FILEFORM FIX
OU PLOTFILE ANNUAL ALL ALL`ANNUAL.plt 10000
OU FINISHED

** *****
** It is recommended that the user not edit any data below this line
** *****

** AMPTYPE
** AMPDATUM -1
** AMPZONE -1
** AMPHEMISPHERE

** PROJECTIONWKTPROJCS["UTM_6326_Zone11",GEOGCS["WGS_84",DATUM["World_Geodetic_System_1984",SPHEROID["WGS_1
** PROJECTION UTM
** DATUM WGE
** UNITS METER