

Rule 1200 Health Risk Assessment

Facility Name: Cathedral Plaza Apartments
Facility ID: APCD2009-SITE-00218
Application: APCD2024-APP-008319
Project Engineer: Hawzhin S Muhamed
Modeler: Bill Reeve, Ben Wong
Toxics Risk Analyst: Ben Wong
Date Submitted to Toxics: 3/13/2025
Date Completed by Toxics: 3/14/2025
HRA Tools Used: Lakes-AERMOD (Version 23132)/HARP (v 22118)

The following estimated risks are valid only for the input data provided by the Project Engineer.

Estimated residential risk does not exceed the worker risk. Therefore, only worker risk is presented in the following results.

Estimated Risk Levels:

Maximum Individual Cancer Risk (Worker)	1.04 in one million
Chronic Noncancer Health Hazard Index (Worker)	= 8.02E-04
8-Hour Noncancer Health Hazard Index (Worker)	= No Health Data
Acute Health Hazard Index (*PMI)	= 6.51E-02

*Point of Maximum Impact

The proposed application is for a stationary diesel emergency engine. The ARB Air Toxics Control Measure (ATCM) limits non-emergency operations to 50 hours per year.

The estimated cancer risk for the application exceeds Rule 1200 limits of 1 in one million (not equipped with T-BACT) at 48.0 hours of Routine Maintenance.

Rule 1200 Health Risk Assessment Report

Cathedral Plaza Apartments, APCD2009-SITE-00218

Application Number APCD2024-APP-008319

page 2 of 3

3/14/2025

Input Data Provided by Project Engineer:

Type of Source: Emergency Diesel IC Engine.

Controls Description: None.

Worst-Case TAC Emissions Increase:

Toxic Air Contaminant	Hourly Emission Rate (lb/hr)	Annual Emission Rate (lb/yr)
DIESEL PARTICULATE		1.65E+00
ACETALDEHYDE	8.14E-03	4.07E-01
ACROLEIN*	3.53E-04	1.76E-02
ARSENIC COMPOUNDS	1.66E-05	8.32E-04
BENZENE	1.94E-03	9.69E-02
BUTADIENE, 1,3-	2.26E-03	1.13E-01
CADMIUM AND COMPOUNDS	1.56E-05	7.80E-04
CHLOROBENZENE	2.08E-06	1.04E-04
CHROMIUM (HEXAVALENT)	1.04E-06	5.20E-05
COPPER AND COMPOUNDS	4.26E-05	2.13E-03
ETHYL BENZENE	1.13E-04	5.67E-03
FORMALDEHYDE	1.80E-02	8.98E-01
HEXANE-N	2.80E-04	1.40E-02
HYDROCHLORIC ACID	1.94E-03	9.69E-02
LEAD & COMPOUNDS	8.63E-05	4.32E-03
MANGANESE AND COMPOUNDS	3.22E-05	1.61E-03
MERCURY AND COMPOUNDS	2.08E-05	1.04E-03
NAPHTHALENE	2.05E-04	1.02E-02
NICKEL AND NICKEL COMPOUNDS	4.06E-05	2.03E-03
POLYCYCLIC AROM. HC (PAH) [Treat as B(a)P for HRA]	3.76E-04	1.88E-02
PROPYLENE	4.86E-03	2.43E-01
SELENIUM AND COMPOUNDS	2.29E-05	1.14E-03
TOLUENE	1.10E-03	5.48E-02
AMMONIA (only if SCR)	N/A	N/A
XYLENES	4.41E-04	2.20E-02

Source: Acute TACs – Ventura County, 5/17/01.

Diesel particulate exhaust is a surrogate for all toxic air contaminant annual emissions from diesel-fueled engines when determining the potential cancer risk and noncancer chronic hazard index. Speciated toxic air contaminant hourly emissions are used when determining the potential noncancer acute hazard index.

*acrolein emissions are excluded from risk calculations

Process Data:

Operation Parameter	Value
Diesel particulate emission factor (g/hp-hr)	0.12682
Engine horsepower (bhp)	118
Fuel Consumption (gal/hr)	10.40
Annual hours of operation	50

Release Parameters:

Stack Height (ft)	10.0
Stack Diameter (ft)	0.30
Temperature deg F	830
Exhaust Flow Rate (acfm)	754
Stack Orientation	Vertical (Flapper)

Discussion

The HRA was conducted in accordance with EPA and OEHHA guidance and District standard procedures. A point source was modeled with refined air dispersion modeling using EPA's AERMOD model, AERMET (Version 22112) processed Lindbergh 2019/2021 ustar updated meteorology data, AERMAP terrain processing, and urban dispersion coefficients. Building downwash effects were calculated using the EPA BPIP-Prime model. The receptor grid was sufficiently dense to identify maximum impacts.

An occupational Ground Level Concentration (GLC) adjustment factor was applied to calculate worker cancer risk assuming source emissions are released 8 hours per day and 5 days a week.

These risk results are based on the risk scenario calculations and health data at the time of the review, and should not be scaled with revised emissions rates without consulting with the Toxics Section.

HARP2 - HRACalc (dated 22118) 3/14/2025 11:32:38 AM - Output Log

GLCs loaded successfully

Pollutants loaded successfully

RISK SCENARIO SETTINGS

Receptor Type: Worker

Scenario: All

Calculation Method: Derived

EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: 16

Total Exposure Duration: 25

Exposure Duration Bin Distribution

3rd Trimester Bin: 0

0<2 Years Bin: 0

2<9 Years Bin: 0

2<16 Years Bin: 0

16<30 Years Bin: 0

16 to 70 Years Bin: 25

PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True

Soil: True

Dermal: True

Mother's milk: False

Water: False

Fish: False

Homegrown crops: False

Beef: False

Dairy: False

Pig: False

Chicken: False

Egg: False

INHALATION

Daily breathing rate: Moderate8HR

Worker Adjustment Factors

NOTE: The worker adjustment factors below are only used for cancer assessments. However, the GLC adjustment factor is also applied to 8-hr noncancer chronic assessments.

Worker adjustments factors enabled: YES

GLC adjustment factor: 4.2

Exposure frequency: 250

****Fraction at time at home****

3rd Trimester to 16 years: OFF

16 years to 70 years: OFF

SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02

Soil mixing depth (m): 0.01

Dermal climate: Warm

TIER 2 SETTINGS

Tier2 not used.

Calculating cancer risk

Cancer risk saved to: C:\Users\bwong\Desktop\8319-Cathedral Plaza
Apartments\HARP_RISK\WAF4.2_CancerRisk.csv

Calculating chronic risk

Chronic risk saved to: C:\Users\bwong\Desktop\8319-Cathedral Plaza
Apartments\HARP_RISK\WAF4.2_NCChronicRisk.csv

Calculating acute risk

Acute risk saved to: C:\Users\bwong\Desktop\8319-Cathedral Plaza
Apartments\HARP_RISK\WAF4.2_NCAcuteRisk.csv

HRA ran successfully

*HARP - HRACalc v22118 3/14/2025 11:32:38 AM - **Cancer Risk** - Input File: C:\Users\bwong\Desktop\8319-Cathedral Plaza Apartments\HARP_RISK\WAF4.2_HRAInput.hra

INDEX	GRP1	GRP2	POLID	POLABBREV	CONC	RISK_SUM	SCENARIO
1	Engine		9901	DieselExhPM	0.00401	1.04E-06	25YrCancerDerived_InhSoilDerm
2	Engine		75070	Acetaldehyde	0	0.00E+00	25YrCancerDerived_InhSoilDerm
3	Engine		7440382	Arsenic	0	0.00E+00	25YrCancerDerived_InhSoilDerm
4	Engine		71432	Benzene	0	0.00E+00	25YrCancerDerived_InhSoilDerm
5	Engine		106990	1,3-Butadiene	0	0.00E+00	25YrCancerDerived_InhSoilDerm
6	Engine		7440439	Cadmium	0	0.00E+00	25YrCancerDerived_InhSoilDerm
7	Engine		108907	Chlorobenzn	0	0.00E+00	25YrCancerDerived_InhSoilDerm
8	Engine		18540299	Cr(VI)	0	0.00E+00	25YrCancerDerived_InhSoilDerm
9	Engine		7440508	Copper	0	0.00E+00	25YrCancerDerived_InhSoilDerm
10	Engine		100414	Ethyl Benzene	0	0.00E+00	25YrCancerDerived_InhSoilDerm
11	Engine		50000	Formaldehyde	0	0.00E+00	25YrCancerDerived_InhSoilDerm
12	Engine		110543	Hexane	0	0.00E+00	25YrCancerDerived_InhSoilDerm
13	Engine		7647010	HCl	0	0.00E+00	25YrCancerDerived_InhSoilDerm
14	Engine		7439921	Lead	0	0.00E+00	25YrCancerDerived_InhSoilDerm
15	Engine		7439965	Manganese	0	0.00E+00	25YrCancerDerived_InhSoilDerm
16	Engine		7439976	Mercury	0	0.00E+00	25YrCancerDerived_InhSoilDerm
17	Engine		91203	Naphthalene	0	0.00E+00	25YrCancerDerived_InhSoilDerm
18	Engine		7440020	Nickel	0	0.00E+00	25YrCancerDerived_InhSoilDerm
19	Engine		1151	PAHs-w/o	0	0.00E+00	25YrCancerDerived_InhSoilDerm
20	Engine		115071	Propylene	0	0.00E+00	25YrCancerDerived_InhSoilDerm
21	Engine		7782492	Selenium	0	0.00E+00	25YrCancerDerived_InhSoilDerm
22	Engine		108883	Toluene	0	0.00E+00	25YrCancerDerived_InhSoilDerm
23	Engine		7664417	NH3	0	0.00E+00	25YrCancerDerived_InhSoilDerm
24	Engine		1330207	Xylenes	0	0.00E+00	25YrCancerDerived_InhSoilDerm
						1.04E-06	

*HARP - HRACalc v22118 3/14/2025 11:32:38 AM - **Chronic Risk** - Input File: C:\Users\bwong\Desktop\8319-Cathedral Plaza Apartments\HARP_RISK\WAF4.2_HRAInput.hra

[illegible]

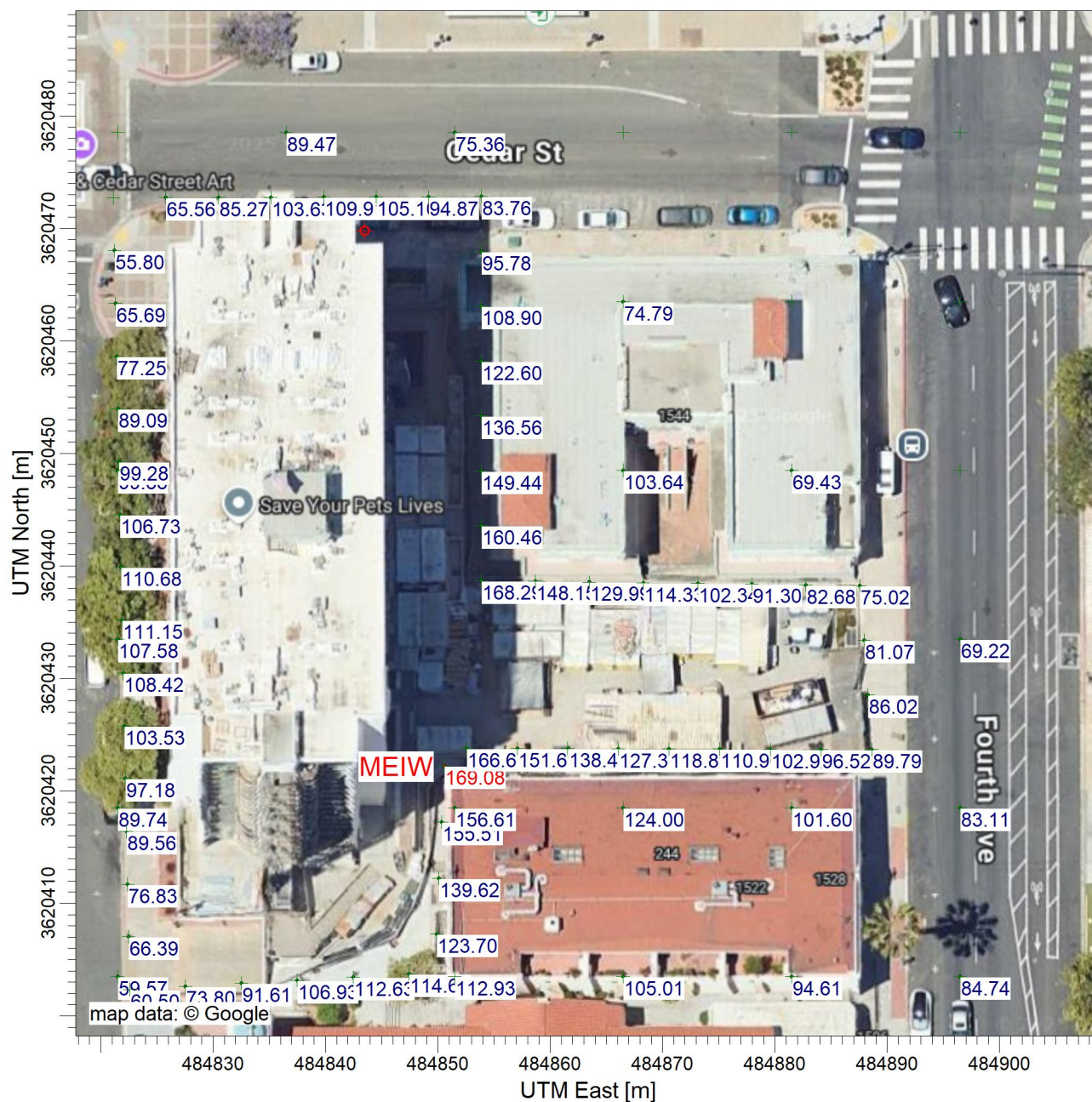
[illegible]

FACILITY NAME: Cathedral Plaza Apartments		RISK ANALYST ONLY	
Fuel Consumption (gal/hr):	10.40	DISPERSION MODELING DATA	
Diesel Particulate Emission Factor (g/hp-hr):	0.12682	Annual Receptor Type: Worker ▼	
Brake Horsepower (hp):	118	ANNUAL DISPERSION FACTOR (µg/m³)/(g/s): 169.1	
Annual Hours of Operation (hrs):	50	Distance (m):	
FACILITY ID: APCD2009-SITE-00218		Hourly Receptor Type: PMI ▼	
APPLICATION NO.: APCD2024-APP-008319		HOURLY DISPERSION FACTOR (µg/m³)/(g/s): 1498.1	
ENGINEER: Hawzhin Muhamed		Distance (m):	

CHEMICAL NAME	Emission Factor lb/1000 gal	Acute Emission Rate lb/hr	Annual Emission Rate lb/yr	Acute Emissions Rate g/s	Annual Emission Rate g/s	Hourly GLC µg/m³	Annual GLC µg/m³
DIESEL PARTICULATE			1.65E+00		2.37E-05		4.01E-03
ACETALDEHYDE	7.83E-01	8.14E-03	4.07E-01	1.03E-03		1.54E+00	
ACROLEIN*	3.39E-02	3.53E-04	1.76E-02	4.44E-05		6.65E-02	
ARSENIC COMPOUNDS	1.60E-03	1.66E-05	8.32E-04	2.10E-06		3.14E-03	
BENZENE	1.86E-01	1.94E-03	9.69E-02	2.44E-04		3.66E-01	
BUTADIENE, 1,3-	2.17E-01	2.26E-03	1.13E-01	2.84E-04		0.425981	
CADMIUM AND COMPOUNDS	1.50E-03	1.56E-05	7.80E-04	1.97E-06		2.94E-03	
CHLOROBENZENE	2.00E-04	2.08E-06	1.04E-04	2.62E-07		3.93E-04	
CHROMIUM (HEXAVALENT)	1.00E-04	1.04E-06	5.20E-05	1.31E-07		1.96E-04	
COPPER AND COMPOUNDS	4.10E-03	4.26E-05	2.13E-03	5.37E-06		8.05E-03	
ETHYL BENZENE	1.09E-02	1.13E-04	5.67E-03	1.43E-05		2.14E-02	
FORMALDEHYDE	1.73E+00	1.80E-02	8.98E-01	2.26E-03		3.39E+00	
HEXANE-N	2.69E-02	2.80E-04	1.40E-02	3.52E-05		5.28E-02	
HYDROCHLORIC ACID	1.86E-01	1.94E-03	9.69E-02	2.44E-04		3.66E-01	
LEAD & COMPOUNDS	8.30E-03	8.63E-05	4.32E-03	1.09E-05		1.63E-02	
MANGANESE AND COMPOUNDS	3.10E-03	3.22E-05	1.61E-03	4.06E-06		6.09E-03	
MERCURY AND COMPOUNDS (INORGANIC)	2.00E-03	2.08E-05	1.04E-03	2.62E-06		3.93E-03	
NAPHTHALENE	1.97E-02	2.05E-04	1.02E-02	2.58E-05		3.87E-02	
NICKEL AND NICKEL COMPOUNDS	3.90E-03	4.06E-05	2.03E-03	5.11E-06		7.66E-03	
POLYCYCLIC AROM. HC (PAH) [Treat as B(a)P for	3.62E-02	3.76E-04	1.88E-02	4.74E-05		7.11E-02	
PROPYLENE	4.67E-01	4.86E-03	2.43E-01	6.12E-04		9.17E-01	
SELENIUM AND COMPOUNDS	2.20E-03	2.29E-05	1.14E-03	2.88E-06		4.32E-03	
TOLUENE	1.05E-01	1.10E-03	5.48E-02	1.38E-04		2.07E-01	
AMMONIA (only if SCR)	N/A						
XYLENES	4.24E-02	4.41E-04	2.20E-02	5.56E-05		8.32E-02	

PROJECT TITLE:

D:\Modeling Projects\8319_Cathedral\8319_Cathedral.isc



COMMENTS:

SOURCES:

1

RECEPTORS:

18002

OUTPUT TYPE:

Concentration

MAX:

169 ug/m^3

SCALE:

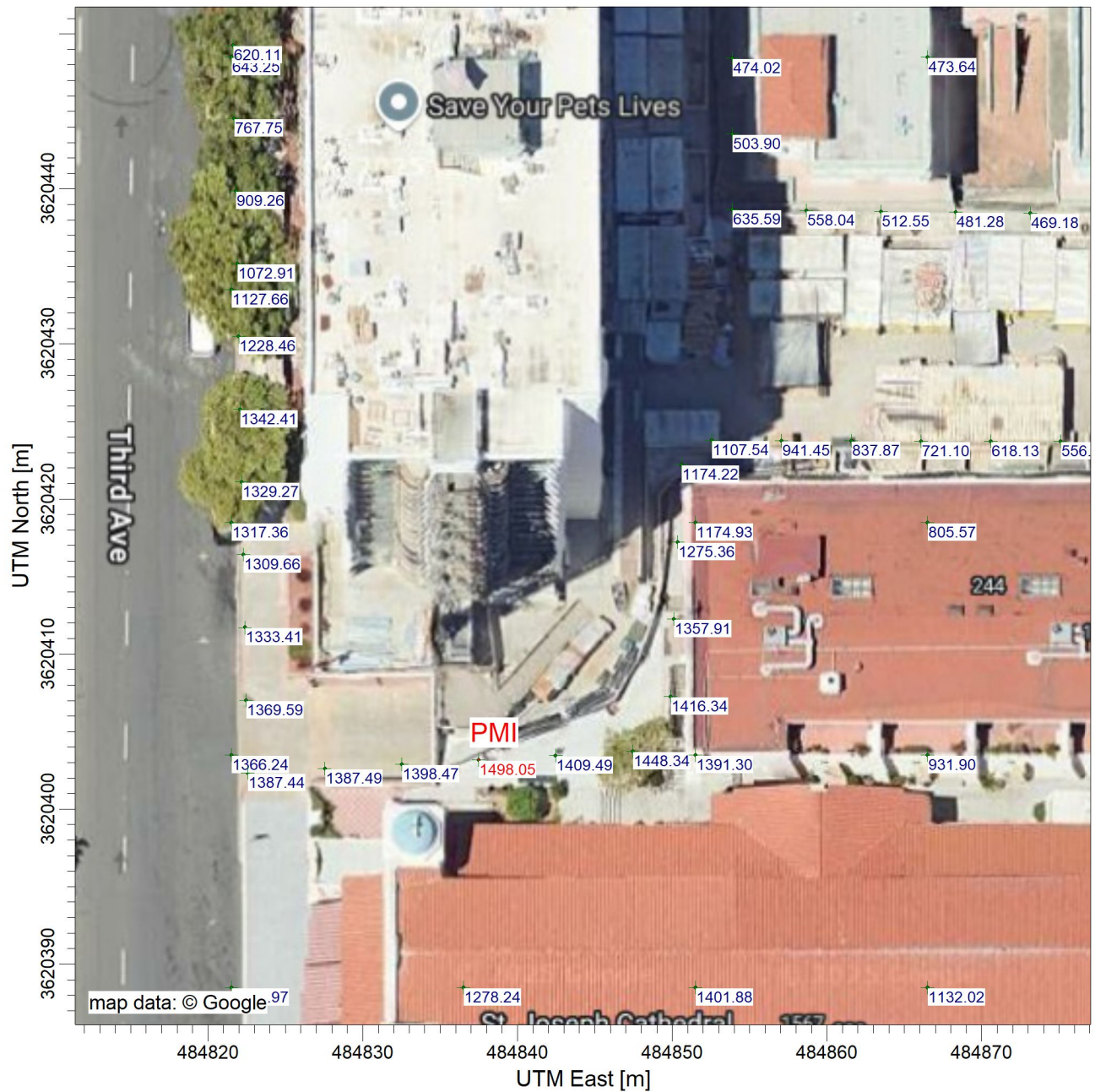
1:573

0 0.02 km

DATE:

3/14/2025

PROJECT NO.:



COMMENTS:	SOURCES:		
	1		
	RECEPTORS:		
	18002		
	OUTPUT TYPE:	SCALE:	1:413
	Concentration	0 0.01 km	
	MAX:	DATE:	PROJECT NO.:
	1498 ug/m^3	3/14/2025	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
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STCK1 0 0.10000E+01 484843.5 3620469.8 35.2 3.05 716.48 54.19 0.09 YES YES NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 1 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 1388000.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET

- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * NOTURBST - Meteorological data Ignore turbulence - stable hours
- * Model Assumes No FLAGPOLE Receptor Heights.
- * The User Specified a Pollutant Type of: OTHER

**Model Calculates 1 Short Term Average(s) of: 1-HR
and Calculates PERIOD Averages

**This Run Includes: 1 Source(s); 1 Source Group(s); and 18002 Receptor(s)

with: 1 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 0 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 22112

**Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 9.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate Unit Factor = 0.10000E+07

Output Units = MICROGRAMS/M**3

****Approximate Storage Requirements of Model = 5.5 MB of RAM.**

```
**Input Runstream File:      aermod.inp
```

```
**Output Print File:      aermod.out
```

****Detailed Error/Message File: 8319_Cathedral.err**

```
**File for Summary of Results: 8319_Cathedral.sum
```

*** AERMOD - VERSION 23132 *** *** D:\Modeling Projects\8319_Cathedral\8319_Cathedral.isc

03/14/25

*** AERMET - VERSION 22112 ***

09:53:41

PAGE 2

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

[illegible]

NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE.

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***
(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

*** AERMOD - VERSION 23132 *** *** D:\Modeling Projects\8319_Cathedral\8319_Cathedral.isc

03/14/25

*** AERMET - VERSION 22112 ***

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PAGE 3

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*** MODELOPTs:  RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: ..\..\Met Data v22112\Lindbergh_2019_2021_v22122.SFC

Met Version: 22112

Profile file: ..\..\Met Data v22112\Lindbergh_2019_2021_v22122.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 23188

Upper air station no.: 3190

Name: SAN_DIEGO/LINDBERGH_FIELD

Name: UNKNOWN

Year: 2019

Year: 2019

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN	ALBEDO	REF	WS	WD	HT	REF	TA	HT
19	01	01	1	01	-3.8	0.078	-9.000	-9.000	-999.	53.	11.4	0.02	0.83	1.00	1.40	356.	10.0	282.5	2.0			
19	01	01	1	02	-4.6	0.086	-9.000	-9.000	-999.	61.	12.4	0.02	0.83	1.00	1.55	336.	10.0	281.4	2.0			
19	01	01	1	03	-9.4	0.123	-9.000	-9.000	-999.	104.	18.0	0.02	0.83	1.00	2.18	357.	10.0	281.4	2.0			
19	01	01	1	04	-13.9	0.151	-9.000	-9.000	-999.	141.	25.2	0.02	0.83	1.00	2.64	26.	10.0	281.4	2.0			
19	01	01	1	05	-13.7	0.150	-9.000	-9.000	-999.	139.	24.7	0.01	0.83	1.00	2.64	31.	10.0	280.9	2.0			
19	01	01	1	06	-15.6	0.160	-9.000	-9.000	-999.	154.	28.2	0.01	0.83	1.00	2.81	40.	10.0	282.0	2.0			
19	01	01	1	07	-20.6	0.202	-9.000	-9.000	-999.	219.	45.1	0.02	0.83	1.00	3.47	26.	10.0	280.3	2.0			
19	01	01	1	08	-11.1	0.200	-9.000	-9.000	-999.	215.	65.8	0.02	0.83	0.49	3.39	18.	10.0	281.4	2.0			
19	01	01	1	09	36.3	0.219	0.541	0.005	158.	245.	-26.2	0.02	0.83	0.29	3.15	24.	10.0	284.2	2.0			
19	01	01	1	10	80.5	0.251	0.835	0.005	262.	302.	-17.9	0.02	0.83	0.22	3.52	28.	10.0	285.9	2.0			
19	01	01	1	11	110.8	0.250	1.329	0.005	771.	300.	-12.8	0.02	0.83	0.20	3.41	26.	10.0	287.0	2.0			
19	01	01	1	12	125.5	0.288	1.459	0.005	899.	371.	-17.3	0.01	0.83	0.19	4.07	45.	10.0	288.8	2.0			
19	01	01	1	13	118.6	0.434	1.485	0.005	1004.	687.	-62.6	0.01	0.83	0.19	6.63	39.	10.0	288.8	2.0			
19	01	01	1	14	100.0	0.500	1.440	0.005	1085.	848.	-113.5	0.01	0.83	0.20	7.81	34.	10.0	288.8	2.0			
19	01	01	1	15	65.6	0.423	1.270	0.005	1134.	665.	-104.6	0.02	0.83	0.23	6.52	28.	10.0	288.8	2.0			
19	01	01	1	16	18.3	0.364	0.833	0.005	1147.	529.	-238.7	0.01	0.83	0.32	5.79	41.	10.0	288.1	2.0			
19	01	01	1	17	-24.7	0.277	-9.000	-9.000	-999.	355.	84.7	0.01	0.83	0.59	4.73	30.	10.0	286.4	2.0			
19	01	01	1	18	-12.2	0.141	-9.000	-9.000	-999.	141.	22.0	0.01	0.83	1.00	2.50	57.	10.0	285.9	2.0			
19	01	01	1	19	-18.0	0.179	-9.000	-9.000	-999.	182.	35.3	0.01	0.83	1.00	3.12	58.	10.0	284.8	2.0			
19	01	01	1	20	-24.4	0.243	-9.000	-9.000	-999.	287.	64.8	0.01	0.83	1.00	4.17	48.	10.0	284.2	2.0			
19	01	01	1	21	-19.0	0.188	-9.000	-9.000	-999.	197.	39.0	0.02	0.83	1.00	3.24	61.	10.0	283.8	2.0			
19	01	01	1	22	-27.5	0.272	-9.000	-9.000	-999.	341.	81.5	0.02	0.83	1.00	4.61	61.	10.0	283.1	2.0			
19	01	01	1	23	-27.4	0.272	-9.000	-9.000	-999.	341.	81.6	0.02	0.83	1.00	4.61	68.	10.0	283.8	2.0			
19	01	01	1	24	-23.9	0.237	-9.000	-9.000	-999.	277.	61.6	0.02	0.83	1.00	4.03	71.	10.0	283.1	2.0			

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
19	01	01	01	10.0	1	356.	1.40	282.6	99.0	-99.00	-99.00

```

*** AERMOD - VERSION 23132 ***
*** AERMET - VERSION 22112 ***

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*** 03/14/25
*** 09:53:41
PAGE 4

*** THE SUMMARY OF MAXIMUM PERIOD (26304 HRS) RESULTS ***

NETWORK										
GROUP	ID	AVERAGE CONC				RECEPTOR	(XR, YR, ZELEV, ZHILL, ZFLAG)	OF	TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	169.07794	AT (	484850.58,	3620422.22,	33.39,	33.39,	0.00)	DC	
	2ND HIGHEST VALUE IS	168.29467	AT (	484853.86,	3620438.68,	33.23,	33.23,	0.00)	DC	
	3RD HIGHEST VALUE IS	166.67128	AT (	484852.55,	3620423.79,	33.39,	33.39,	0.00)	DC	
	4TH HIGHEST VALUE IS	160.45917	AT (	484853.86,	3620443.56,	33.23,	33.23,	0.00)	DC	
	5TH HIGHEST VALUE IS	156.61123	AT (	484851.50,	3620418.50,	33.44,	33.44,	0.00)	DC	
	6TH HIGHEST VALUE IS	155.50840	AT (	484850.35,	3620417.24,	33.42,	33.42,	0.00)	DC	
	7TH HIGHEST VALUE IS	151.69155	AT (	484857.06,	3620423.77,	33.41,	33.41,	0.00)	DC	
	8TH HIGHEST VALUE IS	149.44186	AT (	484853.86,	3620448.44,	33.24,	33.24,	0.00)	DC	
	9TH HIGHEST VALUE IS	148.14587	AT (	484858.68,	3620438.62,	33.25,	33.25,	0.00)	DC	
	10TH HIGHEST VALUE IS	139.62115	AT (	484850.11,	3620412.25,	33.31,	33.31,	0.00)	DC	

*** AERMOD - VERSION 23132 *** *** D:\Modeling Projects\8319_Cathedral\8319_Cathedral.isc

*** 03/14/25

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF OTHER IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS 1498.04731	ON 19101207: AT (	484837.49, 3620403.17, 33.13, 33.13, 0.00)	DC	

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 3 Warning Message(s)
A Total of 683 Informational Message(s)

A Total of 26304 Hours Were Processed

A Total of 249 Calm Hours Identified

A Total of 433 Missing Hours Identified (1.65 Percent)

***** FATAL ERROR MESSAGES *****
*** NONE ***

***** WARNING MESSAGES *****

SO W320	38	PPARM: Input Parameter May Be Out-of-Range for Parameter	VS
ME W186	101	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	101	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	

Facility Name: Cathedral Plaza Apartments
Application Number: APCD2024-APP-008319
Site ID Number: APCD2009-SITE-00218
Equipment Address: 1551 3rd Avenue
San Diego CA 92101
Contact Name: Mark O'Brien
Contact Title: Principal
Contact Affiliation: Cathedral Plaza Apartments
Contact Number: 619-977-1204
Contact E-Mail: mobrien@alliantcm.com
Project Engineer: Hawzhin Muhamed

1551 3rd Avenue, San Diego CA 92101

David Burges

DavidB@RoyalPropertyMgmt.com

FIRE PUMP MODEL: JU4H-UFAD5G

Make: John Deere
Model: 4045HFG28A
S/N:

Fuel Type: Diesel
BHP Rating: 118
Model Year: 2022
Tier Level: 3
Engine Family Number: NJDXL04.5119
Device Driven: 750 gpm

NOx, g/BHP-hr: + NMHC, g/BHP-hr:

NOx, g/BHP-hr:	2.51	3.36	g/kW-hr
CO, g/BHP-hr:	0.97	1.30	g/kW-hr
NMHC, g/BHP-hr:	0.11	0.15	g/kW-hr
PM10, g/BHP-hr:	0.13	0.17	g/kW-hr
NH3 Slip from SCR (yes/no)	no	0	ppm (default 10 ppm if applicable)

Engine
EPA F
EPA
EPA Cert
CARB Ex
Paran
NC

Fuel Usage, gal/hr: 10.4
Operating Schedule, hrs/day: 24
Operating Schedule, hrs/yr: 50

Exhaust Flow Rate, cfm: 754
Exhaust Temperature, °F: 830
Stack Height above ground, ft: 10
Stack Diameter, ft: 0.3 0.33333333

Model	Engine Family	Ma
2022	NJDXL04.5119	De
2012	CJDXL04.5119	De

Nearest School, ft: 430
Residential Receptor, m: 73.15 240 ft
Occupational Receptor, m: 25.00 67 ft
Acute Receptor, m: 25.00 67 ft

AB3205
City Tree Christian School

Vertical Exhaust? (yes/no): yes
Flapper Valve? (flapper/raincap): Flapper
Plot Plan? (yes/no): yes
Flow Obstructions: no

**San Diego Air Pollution Control District
Supplemental Application Information
Rule 1200 Toxics Evaluation**

(ALL REQUESTED INFORMATION IS IMPORTANT - PLEASE FILL BLUE CELLS)

Facility Name: Cathedral Plaza Apartments
Equipment Location: 1551 3rd Avenue San Diego CA 92101

Project Description: Emergency Diesel Engine

Control Equipment: None

Operating Schedule:	Hours per Day:	24	Weeks per Year:	50
	Days per Week:	7	Days per Year:	50

RELEASE POINT DATA

How are the emissions from this project released into the outdoor air? (Check all that apply)

Point Source	Non-Point Source			
☒ Exhaust Stack	☐ Passive Ventilation	☐ Released through windows and/or roll-up doors	☐ Fugitive Emissions	

Point Source

Parameter	Point Source #1	Point Source #2	Point Source #3
Height of release above ground (ft)	10.0		
Stack Diameter (or length x width) (ft)	0.30		
Exhaust Gas Temperature (°F) ¹	830		
Exhaust Gas Flow (ACFM)	754		
Direction of Flow ²	vertical		
Flow Obstruction ³	no		
Distance to Nearest Property Line (+/- 10ft)	67.00		

¹ Use "70 °F" or "Ambient" if unknown

² if "other" describe:

³ if "other" describe:

AERIAL MAP AND FACILITY PLOT PLAN must be attached and labeled with **Release Point(s) and Building(s)**
(includes facility and neighboring buildings within 5x the release height of a point source(s)).

Parameter	Building A	Building B	Building C
Point Source(s)			
Point Source Location			
Building Length (ft) (optional)			
Building Width (ft) (optional)			
Building Height above ground (ft)			

San Diego APCD Use Only

Additional Rule 1200 Submittal Information

Submittal Date:		Site ID:	APCD2009-SITE-00218
Project Engineer:	Hawzhin Muhamed	Appl. Number(s):	APCD2024-APP-008319
Fees Collected:		PTO No. (if existing):	

Wong, Benjamin

From: Muhamed, Hawzhin S
Sent: Friday, March 14, 2025 9:24 AM
To: Wong, Benjamin
Cc: Reeve, Bill
Subject: RE: 8319-Cathedral Plaza Apartments - HRA Request

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Ben,

The stack height is 10 ft. and the flow is vertical. The applicant confirmed the valve is a flapper not a rain cap.
(photo sent by the applicant)



Thank you.

Hawzhin

From: Wong, Benjamin <Benjamin.Wong@sdapcd.org>
Sent: Friday, March 14, 2025 8:48 AM
To: Muhamed, Hawzhin S <HawzhinS.Muhamed@sdapcd.org>
Cc: Reeve, Bill <Bill.Reeve@sdapcd.org>
Subject: RE: 8319-Cathedral Plaza Apartments - HRA Request

Hi Hawzhin,

I noticed a discrepancy between the modeled exhaust stack release height of 32.81 ft (vertical flow) and the engineering calculations' release height of 10.0 ft (vertical flow). I couldn't find any documentation in BCMS supporting the 32.81 ft or vertical flow—the original application mentions a raincap.

Before I continue estimating the risk, could you please confirm the exhaust stack release height and flow direction? Thanks!

Source Inputs

Source Type
Type: POINT Source ID: STCK1  Release Type: Vertical

Description: (Optional)

Source Location

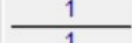
X Coordinate:	484843.50	[m]
Y Coordinate:	3620469.81	[m]
Base Elevation:	35.24	[m]
Release Height:	32.808	[ft]

[Platform...](#)

Source Release Parameters

Emission Rate:	1	[g/s]
Gas Exit Temperature:	830.0	[F]
Stack Inside Diameter:	0.3	[ft]
Gas Exit Velocity:	54.188	[m/s]
Gas Exit Flow Rate:	754.0	[ft³/min]

Fixed Ambient Above A

Help         New  

AutoSave Off APP-008319_Calculation.xlsm - Protecte... • Saved to

File Home Insert Page Layout Formulas Data Review View Automate Help Acroba

PROTECTED VIEW Be careful—files from the Internet can contain viruses. Unless you need to edit, it's safer to stay in Protected View.

G58 ✕ ✓ *fx*

	A	B	C
11	Operating Schedule:	Hours per Day:	24
12		Days per Week:	7
13			
14	RELEASE POINT DATA		
15			
16	How are the emissions from this project released into the outdoor air? (Check all that apply)		
17			
18	Point Source		
19			
20	☒ Exhaust Stack		☐ Passive Ventilation ☐ Released
21			
22	<u>Point Source</u>		
23			
24	Parameter		Point
25	Height of release above ground (ft)		

Thanks,
Ben Wong

Ben Wong (He/Him/His) | APCD | 858-414-6924 (M) | Benjamin.Wong@sdapcd.org
 Work Schedule: M – F (0700-1600)
Telework: Tu/Th/F
OOO: 3/21-3/24

In an on-going effort to increase transparency and outreach, the District has created a subscription specific to emission inventory for future updates. [Sign up for District News & Information via Email.](#)

From: Horres, Nicholas <Nicholas.Horres@sdapcd.org>
Sent: Thursday, March 13, 2025 5:46 PM
To: Wong, Benjamin <Benjamin.Wong@sdapcd.org>
Cc: Muhamed, Hawzhin S <HawzhinS.Muhamed@sdapcd.org>
Subject: FW: 8319-Cathedral Plaza Apartments - HRA Request

Hi Ben,

This one is assigned to you! Thanks!

Nick

From: Reeve, Bill <Bill.Reeve@sdapcd.org>

Sent: Thursday, March 13, 2025 11:10 AM

To: Amberg, Stephen <Stephen.Amberg@sdapcd.org>; Bernabe, Andrew <Andrew.Bernabe@sdapcd.org>; Canter, Adam <Adam.Canter@sdapcd.org>; DiFulvio, Jaime <Jaime.DiFulvio@sdapcd.org>; Galvez, Maria <Maria.Galvez@sdapcd.org>; Horres, Nicholas <Nicholas.Horres@sdapcd.org>; Nguyen, Tony <Tony.Nguyen2@sdapcd.org>; Ossowski, Peter <Peter.Ossowski@sdapcd.org>; Wong, Benjamin <Benjamin.Wong@sdapcd.org>

Cc: Muhamed, Hawzhin S <HawzhinS.Muhamed@sdapcd.org>

Subject: FW: 8319-Cathedral Plaza Apartments - HRA Request

I have completed the modeling for Cathedral Plaza Apartments. The modeling zip file is in  [8319-Cathedral Plaza Apartments](#). This is an expedited permit.

-Bill

Bill Reeve
Associate Meteorologist
San Diego County Air Pollution Control District
Bill.Reeve@sdapcd.org
O 858-586-2773 M 858-945-3732
<http://www.sdapcd.org>
10124 Old Grove Rd, San Diego CA, 92131

From: Muhamed, Hawzhin S <HawzhinS.Muhamed@sdapcd.org>

Sent: Friday, February 21, 2025 2:18 PM

To: Reeve, Bill <Bill.Reeve@sdapcd.org>; Nguyen, Tony <Tony.Nguyen2@sdapcd.org>

Cc: Canter, Adam <Adam.Canter@sdapcd.org>; Horres, Nicholas <Nicholas.Horres@sdapcd.org>

Subject: 8319-Cathedral Plaza Apartments - HRA Request

Hello,

This is an HRA request for a new emergency fire pump diesel engine.

For your information, this project has another open application for replacement of an emergency diesel engine allocated at the roof of this building (17 story). However, as the replacement results in decreasing of emissions, this engine is not included for the HRA evaluation!

Please post the results in  [8319-Cathedral Plaza Apartments](#)

Please let me know if more information is required!

Thank you.
Hawzhin

California Western School of Law

CEDAR STREET

88'-0"

85'-0"

Stack Location

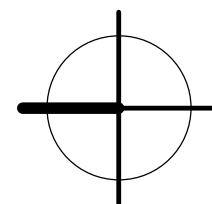
LOCATION OF NEW FIRE
PUMP CONCRETE PAD, SEE
SEPARATE SHEET(S) FOR
DETAILS

Fire pump
located in
underground
garage.

EXISTING 16 STORY CONCRETE BUILDING
+ PARKING GARAGE
1551 THIRD AVENUE
225 UNITS

SUBTERRANEAN
PARKING RAMP

THIRD AVENUE



ARCHITECTURAL SITE PLAN

1" = 10'-0"

GENERAL SITE PLAN NOTES

1. PROTECT SITE FROM DAMAGE DURING CONSTRUCTION AND RESTORE DAMAGE TO ORIGINAL CONDITION ACCEPTABLE TO OWNER.
2. PREPARE PLANS AND COORDINATE WITH OWNER FOR STAGING AREAS AND SITE SECURITY.
3. DUMPSTERS AND TRASH CONTAINERS EXCEEDING 1.5 CUBIC YARDS ARE NOT TO BE STORED IN BUILDINGS OR PLACED WITHIN 5' (FIVE FEET) OF COMBUSTIBLE WALLS, OPENINGS OR COMBUSTIBLE ROOF EAVE LINES UNLESS PROTECTED BY AN APPROVED SPRINKLER SYSTEM OR LOCATED IN A TYPE I OR IIA STRUCTURE SEPARATED BY 10' (TEN FEET) FROM OTHER STRUCTURES. CONTAINERS LARGER THAN 1.0 CUBIC YARDS TO BE OF NON OR LIMITED COMBUSTIBLE MATERIALS OR SIMILARLY PROTECTED OR SEPARATED [CFC 304.3]
4. ADDRESS IDENTIFICATION TO BE PROVIDED FOR ALL NEW AND EXISTING BUILDINGS IN A LOCATION THAT IS PLAINLY VISIBLE AND LEGIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. WHERE ACCESS IS BY WAY OF A PRIVATE ROAD AND THE BUILDING ADDRESS CANNOT BE VIEWED FROM THE PUBLIC WAY, APPROVED SIGN OR MEANS IS TO BE USED TO IDENTIFY THE STRUCTURE. PREMISIS IDENTIFICATION TO CONFORM WITH CBC SECTION 501.2

SITE PLAN KEYNOTES

1. NO WORK IN EXISTING COURTYARD - UNLESS NOTED OTHERWISE
2. EXISTING RAMP TO REMAIN
3. EXISTING PUBLIC SIDEWALK, CURB, AND GUTTER TO REMAIN
4. PROPERTY LINE
5. REMOVE AND REPLACE ALL METAL FENCES AROUND PERIMETER OF THE BUILDING INCLUDING GATES
6. REMOVE LIGHT POLES AT PLAZA

STORM WATER QUALITY NOTES - CONSTRUCTION BMPs

This project shall comply with all current requirements of the State Permit: California Regional Water Quality Control Board (SDRWQCB), San Diego Municipal Storm Water Permit, The City of San Diego Land Development Code, and the Storm Water Standards Manual.

PRIOR TO ANY SOIL DISTURBANCE, TEMPORARY SEDIMENT CONTROLS SHALL BE INSTALLED BY THE CONTRACTOR OR QUALIFIED PERSON(S) AS INDICATED BELOW:

1. ALL REQUIREMENTS OF THE CITY OF SAN DIEGO "STORM WATER STANDARDS MANUAL" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND/OR WATER POLLUTION CONTROL PLAN (WPCP) FOR CONSTRUCTION LEVEL BMPs AND, IF APPLICABLE, THE STORM WATER QUALITY MANAGEMENT PLAN (SWQMP) FOR POST-CONSTRUCTION BMPs.
2. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ALL STORM DRAIN INLET PROTECTION. INLET PROTECTION IN THE PUBLIC RIGHT-OF-WAY MUST BE TEMPORARILY REMOVED PRIOR TO A RAIN EVENT TO ENSURE NO FLOODING OCCURS AND REINSTALLED AFTER RAIN IS OVER.
3. ALL CONSTRUCTION BMPs SHALL BE INSTALLED AND PROPERLY MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
4. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING, AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED CONTACT PERSON CAN PROVIDE EROSION AND SEDIMENT CONTROL MEASURES.
5. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SUB-CONTRACTORS AND SUPPLIERS ARE AWARE OF ALL STORM WATER BMPs AND IMPLEMENT SUCH MEASURES TO COMPLY WITH THE APPROVED SWPPP/WPCP. WILL RESULT IN THE ISSUANCE OF CORRECTION NOTICES, CITATIONS, CIVIL PENALTIES, AND/OR STOP WORK NOTICES.
6. THE CONTRACTOR OR QUALIFIED CONTACT PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF ALL SILT, DEBRIS, AND MUD ON AFFECTED AND ADJACENT STREET(S) AND WITHIN STORM DRAIN SYSTEM DUE TO CONSTRUCTION VEHICLES/EQUIPMENT AND CONSTRUCTION ACTIVITY AT THE END OF EACH WORK DAY.
7. THE CONTRACTOR SHALL PROTECT NEW AND EXISTING STORM WATER CONVEYANCE SYSTEMS FROM SEDIMENTATION, CONCRETE RINSE, OR OTHER CONSTRUCTION-RELATED DEBRIS AND DISCHARGES WITH THE APPROPRIATE BMPs THAT ARE ACCEPTABLE TO THE CITY RESIDENT ENGINEER AND AS INDICATED IN THE SWPPP/WPCP.
8. THE CONTRACTOR OR QUALIFIED CONTACT PERSON SHALL CLEAR DEBRIS, SILT, AND MUD FROM ALL DITCHES AND SWALES PRIOR TO AND WITHIN 3 BUSINESS DAYS AFTER EACH RAIN EVENT OR PRIOR TO THE NEXT RAIN EVENT, WHICHEVER IS SOONER.
9. IF A NON-STORM WATER DISCHARGE LEAVES THE SITE, THE CONTRACTOR SHALL IMMEDIATELY STOP THE ACTIVITY AND REPAIR THE DAMAGES. THE CONTRACTOR SHALL NOTIFY THE CITY RESIDENT ENGINEER OF THE DISCHARGE, PRIOR TO RESUMING CONSTRUCTION ACTIVITY. ANY AND ALL WASTE MATERIAL, SEDIMENT, AND DEBRIS FROM EACH NON-STORM WATER DISCHARGE SHALL BE REMOVED FROM THE STORM DRAIN CONVEYANCE SYSTEM AND PROPERLY DISPOSED OF BY THE CONTRACTOR.
10. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON-SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID DEPLOYMENT OF CONSTRUCTION BMPs WHEN RAIN IS IMMINENT.
11. THE CONTRACTOR SHALL RESTORE AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL BMPs TO WORKING ORDER YEAR-ROUND.
12. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES DUE TO UNFORESEEN CIRCUMSTANCES TO PREVENT NON-STORM WATER AND SEDIMENT-LADEN DISCHARGES.
13. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
14. ALL EROSION AND SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED SWPPP/WPCP SHALL BE INSTALLED AND MAINTAINED. ALL EROSION AND SEDIMENT CONTROLS FOR INTERIM CONDITIONS SHALL BE PROPERLY DOCUMENTED AND INSTALLED TO THE SATISFACTION OF THE CITY RESIDENT ENGINEER.
15. AS NECESSARY, THE CITY RESIDENT ENGINEER SHALL SCHEDULE MEETINGS FOR THE PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED CONTACT PERSON, EROSION CONTROL, SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER/DEVELOPER, AND THE CITY RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION AND SEDIMENT CONTROL MEASURES AND OTHER BMPs RELATIVE TO ANTICIPATED CONSTRUCTION ACTIVITIES.
16. THE CONTRACTOR OR QUALIFIED CONTACT PERSON SHALL CONDUCT VISUAL INSPECTIONS AND MAINTAIN ALL BMPs DAILY AND AS NEEDED. VISUAL INSPECTIONS AND MAINTENANCE OF ALL BMPs SHALL BE CONDUCTED BEFORE, DURING, AND AFTER EVERY RAIN EVENT AND EVERY 24 HOURS DURING ANY PROLONGED RAIN EVENT. THE CONTRACTOR SHALL MAINTAIN AND REPAIR ALL BMPs AS SOON AS POSSIBLE AS SAFETY ALLOWS.
17. CONSTRUCTION ENTRANCE AND EXIT AREA: TEMPORARY CONSTRUCTION ENTRANCE AND EXITS SHALL BE CONSTRUCTED IN ACCORDANCE WITH CASHA FACT SHEET TC-109 CALTRANS FACT SHEET TC-01 TO PREVENT TRACKING OF SEDIMENT AND OTHER POTENTIAL POLLUTANTS ONTO PAVED SURFACES AND TRAVELED WAYS. WIDTH SHALL BE 10' OR THE MINIMUM NECESSARY TO ACCOMMODATE VEHICLES AND EQUIPMENT WITHOUT BY-PASSING THE ENTRANCE. (a) NON-STORM WATER DISCHARGES SHALL BE EFFECTIVELY MANAGED PER THE SAN DIEGO MUNICIPAL CODE CHAPTER 4, ARTICLE 3, DIVISION 3 "STORM WATER MANAGEMENT AND DISCHARGE CONTROL".

Updated: 10/17/2018

Accessibility Note:
If the City Building Inspector determines non-compliance with any accessibility provisions, a complete and detailed revised plans clearly showing the existing conditions and the proposed modifications to meet current accessibility requirements (including site plan, floor plans, details, etc.) will be submitted to the department for review and approval.

Accessibility Note:
I am the owner in responsible charge of this tenant improvement project. I have inspected the site/premises and determined that the conditions are in full compliance with current site accessibility requirements to the extent required by law.

Print Name: _____ Signature: _____ Date: _____

Accessibility Note:
I am the owner in responsible charge of this tenant improvement project. I have inspected the toilet and bathing facilities for men and women and determined that the conditions are in full compliance with current accessibility requirements to the extent required by law.

Print Name: _____ Signature: _____ Date: _____

PROJECT NUMBER		2021.0082
ISSUANCE		
NO.	DATE	DESCRIPTION
2	2021.12.07	PERMITS
3	2022.02.07	REVISION 1
5	2022.03.28	FOR CONSTRUCTION SET
21	2024.02.14	FR#8