SAN DIEGO AIR POLLUTION CONTROL DISTRICT

SUPPLEMENTAL APPLICATION INFORMATION			San Diego APCD Use Only
FEE SCHEDULE		A	Appl. No.:
34C, 34H		Ι	D No.:
EMERGENCY RECIPRO	DCATING INTERN	AL COMI	BUSTION ENGINES
To aid the submittal of your application	, a checklist is available	e on the Dist	rict website for fee schedule 34.
Company Name: Equipment Address:			
Reason for submitting application (choo			
New or Additional Unit	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Existing Unpermitted Unit, Date of	Installation		
Replacement of Existing Permitted			
Modification of Permitted Engine:			
Other (Explain)			
Proposed installation date if known:			
contact you to discuss scheduling.			
A. EQUIPMENT DESCRIPTIO	N		
Attach the engine manufacturer's specif			
Engine Mfr.:	Model:		S/N:
Standby bhp Rating:			
Fuel Type and Consumption (at 100% 1	oad):		
☐ diesel* ☐ gasoline	gal	l/hr	
🗌 natural gas 🔲 Propane	spe	ecify units: [cu. ft. per hour or gal/h
Other (Specify):	spe	ecify units: _	
* Diesel fuel must be Certified California D	iesel (CARB Diesel).		
Engine Equipment (check all that apply	· · · · · ·		
lean burn air/fuel contr	oller 🗌 diesel particu	ılate filter (d	pf)*
	¥	` .	. /
other add-on control technology* (s	•		
* attach manufacturer's specification for			
Describe any exhaust parameter monito	•		
•	e	C	
Is the engine equipped with a non-reset		red for new	engines)? 🗌 yes 🗌 no
Engine year of manufacture:			
Engine Family No.:			

32	B <u>PROCESS</u>	S DESCRIPTION			
33	Engine Drives:	Compressor	cfm	Pump (direct drive)	gpm
34		Generator	kw	Other (specify)	
35	Equipment is:	Stationary or	Portable		
36	If portable,	, check all that apply:			
37	The en	ngine will not leave the	facility/stationary	source.	
38	The en	ngine will operate at van	ious locations/fac	ilities.	
39	The en	igine will supplement o	r support an on-go	oing activity of the stationary source.	
40	Engine is use	ed for peak shaving elec	ctrical supply or c	ritical peak pricing operations.	
41	Engine is use	ed for cogeneration or c	combined heat and	power (CHP)	
42	Please describe h	now this engine will be	used:		
43					
44					
45					
46					
47					

48 C. MAINTENANCE AND TESTING SCHEDULE

	Hours/day	Hours/week	Hours/year
Average			
Maximum			
Initial commissioning*		Total hours:	

* Attach a description of any initial commissioning activities that will require operation without emission controls or with emissions controls not fully functioning.

49 **D.** <u>EMISSIONS (@100% Load)</u>. Provide emission rates in either g/bhp-hr or ppmvd.*

50

Pollutant	Grams per horsepower-hour (g/HP-HR)	Part per million by vol. (dry) (ppmvd) at 15% oxygen
Carbon Monoxides (CO)		
Nitrogen Oxides (NOx)		
Non-Methane Hydrocarbons (NMHC)		
Non-Methane Hydrocarbons + (NOx) (NMHC)+(NOx)		
Particulate Matter (PM)		

⁵¹ *Attach manufacturer's specifications or source of exhaust emission data.

52 E. <u>RULE 1200 TOXICS EVALUATION:</u>

53 **FACILITY SITE MAP** Attach a map showing the geographic location of your facility. This helps by making it possible 54 for the District to use a Geographic Information System to identify community residents and workers who may be impacted 55 by emissions from your facility.

56 **PLOT PLAN** Attach a **facility plot plan or diagram** (need not be to scale as long as distances of key features from

⁵⁷ reference points are shown) showing all of the following: the **location of emission point(s)** at the facility, property lines,

and the **location** and **dimensions of buildings** (estimated height, width, and length) that are closer than 100 ft. from the emission point. Annotated aerial photographs are satisfactory. This diagram helps by making it possible for the District to

60 emission point. Annotated aerial photographs are satisfactory. This diagram helps by making it possible for the District to 60 efficiently set-up the inputs for a health risk evaluation. Inaccurate information may adversely affect the outcome of the

61 evaluation.

62 **Ducted or Stack Emissions** (For 1 or more emission points). Estimate values if you are unsure.

Parameter	Point #1	Point #2	Point #3	Point #4	Point #5	Point #6
Height of Exhaust above ground (ft)						
Stack Diameter (or length/width) (ft)						
Exhaust Gas Temperature ¹ (°F)						
Exhaust Gas Flow (actual cfm or fps)						
Is Exhaust Vertical? (Click here for help) ²						
Raincap? (Click here for help) ²						
Distance to Property Line (+/- 10 ft)						

1. Use "70 °F" or "Ambient" if unknown

2. Non-vertical exhaust configurations and fixed raincaps interfere with pollutant dispersion and may negatively impact HRA results.

63 **<u>RECEPTOR DATA</u>** A receptor is a residence or business whose occupants could be exposed to toxic emissions from 64 your facility. In order to estimate the risk to nearby receptors, please provide the distance from the emission point to the

- 65 nearest residence and to the nearest business.
- 66 Distance to nearest residence ______ ft
 67 Distance to nearest business ______ ft

67 Distance to nearest business ______ft
68 Distance to nearest school ______ft

69	Name of Preparer:	Title:	
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70	Phone No.: () E-	-mail:	Date:	

NOTE TO APPLICANT:

Before acting on an application for Authority to Construct or Permit to Operate, the District may require further information, plans, or specifications. Forms with insufficient information may be returned to the applicant for completion, which will cause a delay in application processing and may increase processing fees. The applicant should correspond with equipment and material manufacturers to obtain the information requested on this supplemental form prior to submittal of this application.