



GREAT BASIN UNIFIED AIR POLLUTION CONTROL DISTRICT

157 Short Street * Bishop, California 93514 * (760) 872-8211 * Fax (760) 872-6109

Section A-6

Diesel Fired ICE Permit Application pursuant to Health & Safety

Code ' 93115 (e)(4)(A)3.

ENGINE INFORMATION : (use a separate form for each engine)

Engine Manufacturer: _____

Model Name: _____

EPA 12-Character Family Name: _____

Serial Number: _____

Year of Manufacture: _____

Maximum Rated Brake Horsepower (bhp): _____

Stack Height from Ground (feet): _____, Exhaust Stack Diameter (inches): _____

Direction of Stack (horz.or vert): _____, End of Stack (open or capped): _____

Physical Location of the Engine

(address or UTM coordinates): _____

OPERATIONAL INFORMATION

Describe the General Use of the Engine: _____

Typical Load (percent of maximum bhp rating): _____

Typical annual hours of operation: _____

If seasonal, months of year operated: _____

If seasonal, typical hours per month operated: _____

Fuel usage rate (if available) gallons/hour: _____

Maximum operating schedule: Hourly _____, Daily _____, Quarterly _____, Yearly _____,

Fuel used (circle one): CARB Diesel, Jet fuel, Diesel, Alternative diesel fuel (specify), Alternative fuel (specify), Combination (Dual fuel)(specify), Other (specify): _____

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EXHAUST CONTROL TECHNOLOGY

Pollution Control Equipment (circle): Turbo Charger, Aftercooler, Catalyst, Injection Timing Retarding, Diesel Particulate Filter, Other: _____

Is the engine equipped with an exhaust after-treatment system (e.g., a particulate filter, catalyst), or other modification to the engine to reduce exhaust emissions? If yes, please provide the name of the manufacturer, model, and the CARB executive order number. Please attach a photocopy of the manufacturers= product literature: _____

If a Diesel Particulate Filter (DPF) is used, identify the type of back pressure monitor that will be installed. Attach a copy of the manufacturers= literature.

Manufacturer: _____, Model Name: _____

Serial Number: _____, Pressure & Temperature Range: _____

EMISSION FACTORS

Emission factors form the basis for calculating the mass emissions from the engine. The District will use default emission factors based on the engine's EPA Tier standard. Older engines are assigned the current EPA AP-42 emission factors. If another reference measure is selected, provide the specific basis and attach detailed supporting documentation.

AP-42 emission factors	Lbs/hr	Lbs/day	Tons/year
PM ₁₀ 1.0 g/bhp-hr			
NOx (as NO ₂) 14.1 g/bhp-hr			
NMHC 1.12 g/bhp-hr			
CO 3.0 g/bhp-hr			
SOx (as SO ₂) 3.67 * wt%S g/bhp-hr			

hint: 454 grams = 1 pound

RECEPTOR INFORMATION (a receptor is any location outside the boundaries of a facility where a person may be exposed to diesel exhaust due to operation of the engine.)

Nearest receptor description (receptor type): _____

Distance to nearest receptor (feet): _____

Distance to the nearest school (feet): _____

AB2588 INVENTORY

Is this engine included in an existing AB2588 inventory (yes or no): _____