

San Joaquin Valley Air Pollution Control District **Supplemental Application Form** Emergency/Low-Use IC Engines Please complete one form for each engine. This form must be accompanied by a completed Authority to Construct/Permit to Operate Application form



Permit to be issued	to:											
Location where the	equipment will be op	erated:										
Installation date:												
EQUIPMENT DESCRIPTION												
	Engine Manufacturer:			Eng	gine T	Γier R	Rating:					
Engine Details	Engine Model:			Engine Year of Manufacture:								
	Engine Serial Number:											
	EPA Certification Far	mily Number:										
	Engine's Type of Combustion: Rich-Burn Lean-Burn 4-Stroke 2-Stroke											
	Maximum Intermittent Brake Horsepower Rating of the Engine (per the Engine Data Plate): bhp											
	Engine's Rated Power Output for the Process the Engine Serves: bhp											
Process Data	Process the Engine Serves:											
	Electrical Power Generator Manufacturer:					Mo	del:					
	Generation Only	Power Output: kW										
	Will this equipment be used in an electric utility rate reduction program? Yes No											
Fuel Data	Fuel Type: Diesel Natural Gas LPG/Propane Gasoline Other:											
	For "Other" fuels only: Higher Heating Value: Btu/scf. or Btu/gal.											
	For "Other" fuels only: An Ultimate Fuel Analysis or the combustion F-Factordscf/MMBtu											
	Sulfur Content: gr/100 scf (gaseous fuel) or % by weight (liquid fuel)											
	Fuel Consumption at Maximum Rated Output: gal/hr, or scf/hr											
Rule 4702 Type of Use	Emergency Standby - Limited exclusively to power primary mechanical or an electrical generator during periods of unscheduled power outages beyond the control of the operator, and limited to 20 - 100 hr/yr (depending on the engine's PM₁₀ emission factor) for maintenance and testing operation. ☐ This engine is specifically used to power a pump for a municipal water supply. ☐ I request the higher opacity limit of 40% with the corresponding operational limits of 30 minutes per week and 2 hours per month for maintenance and testing. (CH&SC 41701.6) ☐ I request the lower opacity limit of 20%. ☐ This engine is specifically used to provide power at a health care facility. (CH&SC 1250) ☐ This engine is subject to Office of Statewide Health Planning and Development (OSHPD) requirements.											
	Special Case Emergency - Limited exclusively to preserve or protect property, human life, or public health during a disaster or a state emergency (e.g. fire or flood) and limited to 20 - 100 hr/yr (depending on the engine's PM₁₀ emission factor) for maintenance and testing operation. ☐ This engine is specifically used to power a direct-drive firewater pump. ☐ This firewater pump engine is subject to National Fire Protection Association (NFPA) requirements. ☐ Low Use - Limited to ≤ 200 hr/yr of operation for ALL purposes combined, including maintenance and testing.											
Hour Meter	Note: All engines are required to have either a nonresettable elapsed time meter or an alternate device, method, or technique, approved by the APCO, for determining elapsed operating time. Equipped with a Nonresettable Elapsed Operating Time Meter Alternate Method (please provide details):											

EMISSIONS CONTROL

Emissions Control Equipment (Check all that apply)	Positive Crankcase Ventilation			90% Efficient crankcase emission control device						
	☐ Turbocharger ☐ Intercooler/Aftercooler									
	Automatic Air/Fuel Ratio or O ₂ Controller - Manufacturer:									
	Non-Selective Catalytic Reduction: Manufacturer: Model:									
					I ₁₀ %, CO					
	Particulate Filter - Manufacturer: Model: Control Efficiency: %									
	Other (please specify):									
	1	EMI	SSIONS D	ATA						
Note: See District BA										
http://www.valleyair.org	g/busind/pto/bact/chap	ter3.pdf and http://v	vww.valleyan	r.org/rules/cu	<u>rrntrules/r4/02.pdf</u> .					
	Pollutant		(g/bhp-hr)		(g/kW-hr)	(pp	(ppmvd)			
Emissions Data	Nitrogen Oxides (NO _x)									
	Volatile Organic Compounds (VOC)									
	NO _x + NMHC									
	Particulate Matter (PM ₁₀) Carbon Monoxide									
		un 15%:	0	<u> </u>						
	% O ₂ , dry basis, if corrected to other than 15%: % Manufacturer's Specifications									
Source of Data	Other Note: please provide copies of all sources of emissions data.									
		HEALTH RIS								
Operating Hours	Maximum Operating	g Schedule:	_		hours per					
Receptor Data	Distance to nearest Residence	feet		ary of the nearest apartment, house, dormitory, etc.						
	Direction to nearest Residence		Direction	Direction from the stack to the receptor, i.e. Northeast or South.						
	Distance to nearest Business	feet		e is measured from the proposed stack location to the nearest y of the nearest office building, factory, store, etc.						
	Direction to nearest Business		Direction	n from the stack to the receptor, i.e. North or Southwest.						
Stack Parameters *Note: Stack parameters may be listed on the permit as enforceable permit conditions	Release Height (See Note*)	feet above grade								
	Stack Diameter (See Note*)	inches at point of release								
	Rain Cap (See Note*)	☐ Flapper-type ☐ Fixed-type ☐ None ☐ Other:								
	Stack Orientation (See Note*)	☐ Vertical ☐ I	Iorizontal [Other:	° from vert. or	c	from horiz.			
Exhaust Data	Flowrate:	acfm	Temperat	ure:	°F					
Transportable	Is this engine transportable? Yes No									
Facility Location	Urban (area of dense population) Rural (area of sparse population)									