



San Joaquin Valley Air Pollution Control District

Supplemental Application Form

Full-Time Spark-Ignited IC Engines for Agricultural Operations



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 (facility name):		Installation Date:	
Location(s) where the engine will be operated:			
Have you applied for funding for this engine through the District? <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes", Project ID# C - _ _ _ _ _			
Is this engine replacing another engine? <input type="checkbox"/> Yes <input type="checkbox"/> No If "Yes," include permit # of the replaced engine: __-_____-__			
Is this engine a rental unit? <input type="checkbox"/> Yes <input type="checkbox"/> No			
Engine Description	Engine Manufacturer:		Engine Model:
	Engine Serial Number:		Maximum Operating Schedule: _____ hours per year
	Maximum continuous brake horsepower rating of the IC engine (per the engine data plate): _____ bhp		
	Fuel Type: <input type="checkbox"/> Natural Gas (Public Utility) <input type="checkbox"/> Gasoline <input type="checkbox"/> LPG/Propane <input type="checkbox"/> Other (please specify): _____		
	Engine Usage Monitoring: <input type="checkbox"/> Nonresettable Elapsed Operating Time Meter <input type="checkbox"/> Fuel Flow Meter		
Emissions Data	Engine Type: <input type="checkbox"/> Rich Burn (exhaust O ₂ less than 4%); <input type="checkbox"/> Lean Burn (exhaust O ₂ equal to or greater than 4%)		
	Emissions Controls: <input type="checkbox"/> Air/Fuel Ratio Controller (no Catalyst); <input type="checkbox"/> Turbocharger/Intercooler;		
	<input type="checkbox"/> Three-way Catalyst (i.e. Non-Selective Catalytic Reduction, NSCR) and Air/Fuel Ratio Controller;		
	<input type="checkbox"/> Other (please specify): _____		
	Emissions Controls Equipment Manufacturer:		Model:
	Pollutants	Maximum Emissions without Control	Maximum Emissions with Control
	ppmvd (at 15% O ₂)	g/bhp-hr	
NOx		ppmvd (at 15% O ₂)	
PM ₁₀		g/bhp-hr	
CO			
VOC			
Process Data	Process the Engine Serves: <input type="checkbox"/> Well Pump <input type="checkbox"/> Booster Pump <input type="checkbox"/> Other (please specify):		
	Engine Category (check one box): <input type="checkbox"/> Stationary – operates at a fixed or permanent location;		
	<input type="checkbox"/> Transportable – is moved to operate at another location or "footprint" at least once each season;		
<i>For stationary engines only, please provide all of the following information:</i>			
The distance from the engine to the nearest electric power line: _____ feet			
Your facility's electricity rate, if available: _____ \$/kW-hr			
Receptor Data	Distance to nearest Residence : _____ yards		Measured from the proposed stack location to the nearest residential property boundary.
	Direction to nearest Residence: _____		From the stack to the nearest residence (e.g. Northeast, etc.)
	Distance to nearest Business: _____ yards		Measured from the proposed stack location to the nearest business property boundary.
	Direction to nearest Business: _____		From the stack to the nearest business (e.g. South, etc.)
Stack Data	Stack Diameter: _____ inches (at exit)		Stack Height: _____ feet (measured from the ground)
	Rain Cap: <input type="checkbox"/> Flapper-type <input type="checkbox"/> Fixed-type <input type="checkbox"/> None <input type="checkbox"/> Other: _____		
	Direction of Exhaust:	<input type="checkbox"/> Vertically Upward <input type="checkbox"/> Horizontal <input type="checkbox"/> Other: _____ ° angle from vertical	
	Flowrate: _____ acfm	Exhaust Temperature: _____ °F	