**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 Application for Authority to Construct or Permit to Operate

|  |  |
| --- | --- |
| 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? [ ]  Yes [ ]  No If “Yes”, Project ID# C - \_ \_ \_ \_ \_ |
| Is this engine replacing another engine? [ ]  Yes [ ]  No If “Yes,” include permit # of the replaced engine: \_\_-\_\_\_\_\_\_\_- \_\_\_ |
| Is this engine a rental unit? [ ]  Yes [ ]  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: [ ]  Natural Gas (Public Utility) [ ]  Gasoline [ ]  LPG/Propane [ ]  Other (please specify): \_\_\_\_\_\_\_\_\_ |
| Engine Usage Monitoring: [ ]  Nonresettable Elapsed Operating Time Meter [ ]  Fuel Flow Meter |
| Emissions Data | Engine Type: [ ]  Rich Burn (exhaust O2 less than 4%); [ ]  Lean Burn (exhaust O2 equal to or greater than 4%) |
| **Emissions Controls:** [ ]  Air/Fuel Ratio Controller (no Catalyst); [ ]  Turbocharger/Intercooler;  [ ]  Three-way Catalyst (i.e. Non-Selective Catalytic Reduction, NSCR) and Air/Fuel Ratio Controller; [ ]  Other (please specify): Emissions Controls Equipment Manufacturer: Model: |
| Pollutants | Maximum Emissions without Control | Maximum Emissions with Control | Source of Emissions Data (please attach documentation of at least one of the following):[ ]  Engine Manufacturer’s Specifications[ ]  Catalyst Manufacturer’s Specifications[ ]  CARB/EPA Certification [ ]  SJVAPCD Certification[ ]  Emissions Source Test[ ]  Other: ­­  |
| ppmvd(at 15% O2) | g/bhp-hr | ppmvd(at 15% O2) | g/bhp-hr |
| NOx |  |  |  |  |
| PM10 |  |  |  |  |
| CO |  |  |  |  |
| VOC |  |  |  |  |
| Process Data | Process the Engine Serves: [ ]  Well Pump [ ]  Booster Pump [ ]  Other (please specify):  |
| Engine Category (check one box): **[ ] Stationary –** operates at a fixed or permanent location; **[ ] Transportable** **–**  is moved to operate at another location or “footprint” at least once each season; |
| *For stationary engines only*, please provide all of the following information: The distance from the engine to the nearest electric power line:       feetYour 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: [ ]  Flapper-type [ ]  Fixed-type [ ]  None [ ]  Other:        |
| Direction of Exhaust:  | [ ]  Vertically Upward [ ]  Horizontal [ ]  Other: \_\_\_\_\_\_\_\_\_° angle from vertical |
| Flowrate:       acfm | Exhaust Temperature: °F |