**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:       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:  Flapper-type  Fixed-type  None  Other: | | | | | | | | | | |
| Direction of Exhaust: | | Vertically Upward  Horizontal  Other: \_\_\_\_\_\_\_\_\_° angle from vertical | | | | | | | | |
| Flowrate:       acfm | | | | | Exhaust Temperature: °F | | | | | |