# **Permit-Exempt Equipment Registration Supplemental Application Form / Emission Control Plan**

# **Spark-Ignited Agricultural IC Engines**

Please complete one form for each engine.

### Note: This form must be accompanied by a completed Permit-Exempt Equipment Registration General Application Form

<https://www.valleyair.org/busind/pto/PEER/ApplicationForms.htm>

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| FACILITY NAME: | | FACILITY ID #: | | REGISTRATION NUMBER: |
| LOCATION(S) ENGINE OPERATED : | | | | |
| IS THE ENGINE:  STATIONARY  TRANSPORTABLE (MOVED TO OPERATE AT ANOTHER LOCATION OR “FOOTPRINT” AT  LEAST ONCE DURING EACH OPERATING SEASON) | | | | |
| HAVE YOU APPLIED FOR DISTRICT FUNDING FOR THIS REPLACEMENT ENGINE:  YES  NO | | | | |
| **ENGINE DETAILS**  **AND USE** | Engine Manufacturer: | | Engine Model: | |
| Engine Model Year: | | Engine Serial Number: | |
| Engine Manufacturer’s Maximum Rated Power Output (per the data plate):         bhp | | | |
| Engine Combustion Type:  Rich-Burn (Exhaust O2 < 4%)  Lean-Burn (Exhaust O2 ≥ 4%) | | | |
| Is the Engine and/or Control Device Certified by:  EPA  CARB  District  Not Certified | | | |
| Engine Certification Family Number/District Certification (if applicable): | | | |
| Process the Engine Serves:  Well Pump  Booster Pump  Electric Generator  Other: | | | |
| Maximum Annual Operation Schedule (hours/year): | | | |
| **FUEL DATA** | Fuel Type:  Natural Gas  LPG/Propane  Gasoline Other: | | | |
| Sulfur Content:       gr/100 scf or       ppmv (gaseous fuel) or       % by weight (liquid fuel) | | | |
| **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): | | | |
| **RULE 4702 COMPLIANCE METHOD** | **PLEASE INDICATE THE METHOD OF COMPLIANCE WITH RULE 4702:**  Note: See District Rule 4702 requirements for the engine at: <http://www.valleyair.org/rules/currntrules/r4702.pdf>  Currently in Compliance with Applicable Emission Limits and Requirements. No Modifications Required.  Modify Engine and/or Emission Controls to Comply with Section 5.2, Table 5 Emission Limits  Limit Engine Usage to 200 hour/year as a Low-Use Engine  Designate Engine as an Emergency Standby Engine  Designate Engine as a Dormant Emission Unit  Engine is physically disconnected from fuel supply  Engine is Equipped with an Operational Hour-Meter  The current meter reading (not to exceed) is:      \_ hrs  Other (please describe): | | | |

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| --- | --- | --- | --- | --- |
| **EMISSIONS CONTROL EQUIPMENT** | Will there be any changes to the engine control equipment from what was previously provided?  Yes  No  If yes, please complete the section below. If no, proceed to the following section. | | | |
| Automatic Air/Fuel Ratio or O2 Controller (no catalyst) - Manufacturer: | | | |
| Three-Way Catalyst (i.e. Non-Selective Catalytic Reduction, NSCR) and Air/Fuel Ratio Controller Manufacturer:        Model: | | | |
| Selective Catalytic Reduction (SCR) - Manufacturer:        Model:  Reagent:  Ammonia,  Urea,  Other:        , Reagent slip        ppmv @        % O2 | | | |
| Other (please specify): | | | |
| Control Efficiencies: NOx        %, CO        %, VOC        % | | | |
| **EMISSIONS DATA** | Pollutants | Maximum Emissions  with Control | | Source(s) of Emissions Data:  Engine Manufacturer’s Specifications  Catalyst Manufacturer’s Specifications  CARB/EPA Certification  SJVAPCD Certification  Current Permit  Emissions Source Test  Other:  **Provide documentation of all sources of emissions data** ­­ |
| ppmvd  (at 15% O2) | g/bhp-hr |
| Nitrogen Oxides (NOX) |  |  |
| Carbon Monoxide (CO) |  |  |
| Volatile Organic Compounds (VOC) |  |  |
| **RULE 4702 EMISSIONS MONITORING** | Agricultural IC engines equipped with a NOX control device that is not certified by EPA, CARB, or the District  must:  Monitor the operational characteristics of each engine as recommended by the engine manufacturer or emission control system supplier, and  Use a portable analyzer to take NOX, CO, and O2 concentration readings at least once every 24 months that the engine is operated  Agricultural IC Engines that are not equipped with a NOX control device or equipped with a NOX control device that is certified by EPA, CARB, or the District must:  Monitor the operational characteristics of each engine as recommended by the engine manufacturer or emission control system supplier  Note: Lean-burn IC engines that are not equipped with a control device may choose to periodically monitor exhaust O2 concentrations | | | |
| **INSPECTION & MONITORING (I&M)** | Will there be any changes to the Rule 4702 I&M plan previously submitted for the engine?  Yes  No | | | |
| Note: All IC engines, except agricultural IC engines that are certified by EPA, CARB, or the District, must submit an Inspection and Monitoring (I&M) plan for District approval that specifies all actions to be taken for the plan. If applicable, please provide additional documentation about the I&M plan and refer to Section 6.5 of Rule 4702 for details (see link in the previous section). | | | |