

**Supplemental Application Form / Emission Control Plan**  
**Agricultural IC Engines – Compliance with Rule 4702 (8/19/21 amendments)**

Please complete one form for each engine.

*Note: This form must be accompanied by a completed Authority to Construct/Permit to Operate Application form*

<http://www.valleyair.org/busind/pto/ptoforms/1ptoformidx.htm>

FACILITY NAME:		FACILITY ID #:
PERMIT NUMBER:		
LOCATION(S) ENGINE OPERATED:		
<b>ENGINE DETAILS AND USE</b>	Engine Manufacturer:	Engine Model:
	Engine Model Year (if known):	Engine Serial Number (if known):
	Engine Manufacturer's Maximum Rated Power Output (per the data plate): _____ bhp	
	Engine Combustion Type: <input type="checkbox"/> Rich-Burn (Exhaust O <sub>2</sub> < 4%) <input type="checkbox"/> Lean-Burn (Exhaust O <sub>2</sub> ≥ 4%)	
	Is the Engine and/or Control Device Certified by: <input type="checkbox"/> EPA <input type="checkbox"/> CARB <input type="checkbox"/> District <input type="checkbox"/> Not Certified	
	Engine Certification Family Number/District Certification (if applicable):	
	Process the Engine Serves: <input type="checkbox"/> Well Pump <input type="checkbox"/> Booster Pump <input type="checkbox"/> Other (please specify):	
	Maximum Annual Operation Schedule (hours/year):	
<b>FUEL DATA</b>	Fuel Type: <input type="checkbox"/> Natural Gas <input type="checkbox"/> LPG/Propane <input type="checkbox"/> Gasoline <input type="checkbox"/> Digester Gas <input type="checkbox"/> Other: _____	
	Sulfur Content: _____ gr/100 scf or _____ ppmv (gaseous fuel) or _____ % by weight (liquid fuel)	
<b>HOUR METER</b>	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.	
	<input type="checkbox"/> Equipped with a Nonresettable Elapsed Operating Time Meter <input type="checkbox"/> Alternate Method (please provide details): _____	
<b>RULE 4702 COMPLIANCE METHOD</b>	<b><u>PLEASE INDICATE THE METHOD OF COMPLIANCE WITH RULE 4702:</u></b>	
	Note: See District Rule 4702 requirements for the engine at: <a href="http://www.valleyair.org/rules/currnrules/r4702.pdf">http://www.valleyair.org/rules/currnrules/r4702.pdf</a>	
	<input type="checkbox"/> Currently in Compliance with Applicable Emission Limits and Requirements. No Modifications Required.	
	<input type="checkbox"/> Modify Engine and/or Emission Controls to Comply with Section 5.2, Table 5 Emission Limits	
	<input type="checkbox"/> Limit Engine Usage to 200 hour/year as a Low-Use Engine Pursuant to Sections 3.26 and 4.2	
<input type="checkbox"/> Designate Engine as an Emergency Standby Engine Pursuant to Sections 3.15 and 4.2		
<input type="checkbox"/> Other (please describe): _____		
<b>EMISSIONS CONTROL EQUIPMENT</b>	Will there be any changes to the engine control equipment from what was previously provided? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, please complete the section below. If no, proceed to the following section.	
	<input type="checkbox"/> Automatic Air/Fuel Ratio or O <sub>2</sub> Controller (no catalyst) - Manufacturer: _____	
	<input type="checkbox"/> Three-Way Catalyst (i.e. Non-Selective Catalytic Reduction, NSCR) and Air/Fuel Ratio Controller Manufacturer: _____ Model: _____	
	<input type="checkbox"/> Selective Catalytic Reduction (SCR) - Manufacturer: _____ Model: _____ Reagent: <input type="checkbox"/> Ammonia, <input type="checkbox"/> Urea, <input type="checkbox"/> Other: _____, Reagent slip _____ ppmv @ _____ % O <sub>2</sub>	
	<input type="checkbox"/> Other (please specify): _____	
	Control Efficiencies: NO <sub>x</sub> _____ %, CO _____ %, VOC _____ %	

<b>EMISSIONS DATA</b>	<u>Pollutants</u>	Maximum Emissions with Control		<b>Source(s) of Emissions Data:</b> <input type="checkbox"/> Engine Manufacturer's Specifications <input type="checkbox"/> Catalyst Manufacturer's Specifications <input type="checkbox"/> CARB/EPA Certification <input type="checkbox"/> SJVAPCD Certification <input type="checkbox"/> Current Permit <input type="checkbox"/> Emissions Source Test <input type="checkbox"/> Other: _____ <b>Provide documentation of all sources of emissions data</b>
		ppmvd (at 15% O <sub>2</sub> )	g/bhp-hr	
	Nitrogen Oxides (NO <sub>x</sub> )			
	Carbon Monoxide (CO)			
	Volatile Organic Compounds (VOC)			
<b>RULE 4702 EMISSIONS MONITORING</b>	<p><u>Agricultural IC engines equipped with a NO<sub>x</sub> control device that is not certified by EPA, CARB, or the District must:</u></p> <p><input type="checkbox"/> Monitor the operational characteristics of each engine as recommended by the engine manufacturer or emission control system supplier, and</p> <p><input type="checkbox"/> Use a portable analyzer to take NO<sub>x</sub>, CO, and O<sub>2</sub> concentration readings at least once every 24 months that the engine is operated</p> <p><u>Agricultural IC Engines that are not equipped with a NO<sub>x</sub> control device or equipped with a NO<sub>x</sub> control device that is certified by EPA, CARB, or the District must:</u></p> <p><input type="checkbox"/> Monitor the operational characteristics of each engine as recommended by the engine manufacturer or emission control system supplier</p> <p>Note: Lean-burn IC engines that are not equipped with a control device may choose to periodically monitor exhaust O<sub>2</sub> concentrations</p>			
<b>INSPECTION &amp; MONITORING (I&amp;M)</b>	<p>Will there be any changes to the Rule 4702 I&amp;M plan previously submitted for the engine? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>Note: All IC engines, except agricultural IC engines that are certified by EPA, CARB, or the District, must submit an Inspection and Monitoring (I&amp;M) plan for District approval that specifies all actions to be taken for the plan. If applicable, please provide additional documentation about the I&amp;M plan and refer to Section 6.5 of Rule 4702 for details (see link in the previous section).</p>			
<b>MAJOR SOURCES ONLY IF REPLACING OR MODIFYING A UNIT</b>	<p>Is this facility an existing major source for any pollutant as defined in Rule 2201? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, please complete the section below. If no, do not complete this section.</p> <p>Replaced/Modified Unit: Projected Actual Emissions in lb/year (Based on Expected Utilization in Next 5 Years): NO<sub>x</sub>:           ,   PM<sub>10</sub>:           ,   VOC:           ,   SO<sub>x</sub>: Attach Detailed Basis Used to Determine Projected Actual Emissions</p> <p>New/Modified Unit: Portion of Projected Actual Emissions that the Unit, unmodified, "Could Have Accommodated" during same period as Baseline Actual Emissions NO<sub>x</sub>:           ,   PM<sub>10</sub>:           ,   VOC:           ,   SO<sub>x</sub>: Attach Detailed Basis Used to Determine Projected Actual Emissions that the Unit "Could Have Accommodated"</p> <p>Existing Unit: Baseline Actual Emissions in lb/year (Average Annual Rate of Emissions During any 24-Month period in Previous 10 years) NO<sub>x</sub>:           ,   PM<sub>10</sub>:           ,   VOC:           ,   SO<sub>x</sub>: Attach Records of Historical Usage and Emissions Used in this Determination</p>			