

Supplemental Application Form / Emission Control Plan
Non-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/1ptoforidx.htm>

FACILITY NAME:		FACILITY ID #:
PERMIT NUMBER:		
LOCATION(S) ENGINE OPERATED:		
ENGINE DETAILS AND USE	Engine Manufacturer:	Engine Model:
	Engine Serial Number (if known):	
	Engine Manufacturer's Maximum Rated Power Output (per the data plate): _____ bhp	
	Engine Certification Family Number (if applicable):	
	Engine Combustion Type: <input type="checkbox"/> Rich-Burn (Exhaust O ₂ < 4%) <input type="checkbox"/> Lean-Burn (Exhaust O ₂ ≥ 4%)	
	Process the Engine Serves:	
	Maximum Annual Operation Schedule (hours/year):	
FUEL DATA	Fuel Type: <input type="checkbox"/> Natural Gas <input type="checkbox"/> LPG/Propane <input type="checkbox"/> Gasoline <input type="checkbox"/> Landfill Gas from a Municipal Landfill <input type="checkbox"/> Digester Gas from a Publically Owned Wastewater Facility 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. <input type="checkbox"/> Equipped with a Nonresettable Elapsed Operating Time Meter <input type="checkbox"/> 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/currnrules/r4702.pdf <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 3 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): _____	
EMISSIONS CONTROL EQUIPMENT	Will there be any changes to the engine control equipment? <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 ₂ Controller	
	<input type="checkbox"/> Non-Selective Catalytic Reduction (NSCR) 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 ₂	
	<input type="checkbox"/> Other (please specify): _____	
Control Efficiencies: NO _x _____ %, CO _____ %, VOC _____ %		

EMISSIONS DATA	<u>Pollutants</u>	Maximum Emissions with Control		<u>Source of Emissions Data:</u> <input type="checkbox"/> Emissions Source Test <input type="checkbox"/> Current Permit <input type="checkbox"/> Engine Manufacturer's Specifications <input type="checkbox"/> Catalyst Manufacturer's Specifications <input type="checkbox"/> CARB/EPA Certification <input type="checkbox"/> Other: _____ Provide documentation of all sources of emissions data
		ppmvd (at 15% O ₂)	g/bhp-hr	
	Nitrogen Oxides (NO _x)			
	Carbon Monoxide (CO)			
	Volatile Organic Compounds (VOC)			
RULE 4702 EMISSIONS MONITORING	Will there be any changes to the Rule 4702 emissions monitoring for the engine? <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"/> Category 1 - Engines equipped with an external control device <input type="checkbox"/> Category 2 - Engines with no external control device, but have a horsepower rating \geq 1,000 bhp and are permitted to operate > 2,000 hours per year Category 1/Category 2 engines must have either a Continuous Emissions Monitoring System (CEMS) or one of the following alternate emissions monitoring plans <input type="checkbox"/> CEMS, please specify all pollutants monitored: <input type="checkbox"/> NO _x <input type="checkbox"/> CO <input type="checkbox"/> O ₂ <input type="checkbox"/> Other: _____ <input type="checkbox"/> Monitoring of NO _x , CO, and O ₂ concentrations <input type="checkbox"/> Monitoring of catalyst inlet & outlet temperature, ammonia injection rate, and NO _x , CO, & O ₂ concentrations <input type="checkbox"/> Other Alternate Monitoring Plan (approved on a case by case basis), please attach details <input type="checkbox"/> Category 3 - Engines not covered by Categories 1 or 2 above Category 3 engines must monitor operational characteristics recommended by the engine manufacturer or emission control system supplier <input type="checkbox"/> Monitoring of exhaust O ₂ concentrations (used for lean-burn engines only) <input type="checkbox"/> Monitoring other operational characteristic (approved on a case by case basis), please attach details			
	Note: See District policy (SSP-1810) for additional details of pre-approved alternate emissions monitoring plans, at: http://www.valleyair.org/policies_per/Policies/SSP%201810.pdf			
INSPECTION & MONITORING (I&M)	Will there be any changes to the Rule 4702 I&M Plan for the engine? <input type="checkbox"/> Yes <input type="checkbox"/> No			
	Note: All full-time non-agricultural IC engines must submit for APCO approval, an Inspection and Monitoring (I&M) plan that specifies all actions to be taken for the plan. If there will be any changes to the I&M plan, please provide documentation with information about the I&M plan and refer to Section 6.5 of Rule 4702 for details (see link in the previous section).			
MAJOR SOURCES ONLY IF REPLACING OR MODIFYING A UNIT	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.			
	Replaced/Modified Unit: Projected Actual Emissions in lb/year (Based on Expected Utilization in Next 5 Years): NO _x : , PM ₁₀ : , VOC: , SO _x : Attach Detailed Basis Used to Determine Projected Actual Emissions			
	New/Modified Unit: Portion of Projected Actual Emissions that the Unit, unmodified, "Could Have Accommodated" during same period as Baseline Actual Emissions NO _x : , PM ₁₀ : , VOC: , SO _x : Attach Detailed Basis Used to Determine Projected Actual Emissions that the Unit "Could Have Accommodated"			
	Existing Unit: Baseline Actual Emissions in lb/year (Average Annual Rate of Emissions During any 24-Month period in Previous 10 years) NO _x : , PM ₁₀ : , VOC: , SO _x : Attach Records of Historical Usage and Emissions Used in this Determination			