# **Supplemental Application Form / Emission Control Plan**

# **Boilers, Steam Generators, and Process Heaters**

# **> 5.0 MMBtu/hr, Gaseous and Liquid Fueled**

**Compliance with Rule 4306/4320 (12/17/20 amendments)**

***Note:*** *This form is for existing units subject to the Tier 2 emission limits of Rules 4306 and Rule 4320.*

 *In addition to this supplemental form, a complete Authority to Construct Application is required by May 1, 2022.*

 *Please complete one form for each non-identical unit; note if form covers multiple identical units.*

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| FACILITY NAME:       |
| FACILITY ID NUMBER:       |
| IDENTIFY THE PERMIT NUMBER(S):       |
| **UNIT DETAILS** | MANUFACTURER:        | MODEL:       |
| SERIAL NUMBER:       |
| **BURNER 1** | **BURNER 2** (IF APPLICABLE) |
| MANUFACTURER:       |       |
| MODEL:       |       |
| SERIAL NUMBER:       |       |
| MAX HEAT INPUT RATING (FROM DATAPLATE): | MAX HEAT INPUT RATING (FROM DATAPLATE): |
|       | MMBTU/HR |       | MMBTU/HR |
| **TIER 2 CATEGORY** | IDENTIFY APPLICABLE TIER 2 CATEGORY:      (see Table 2 in Rules 4306 and Rule 4320 for category definitions and limits)District Rule 4306: <http://www.valleyair.org/rules/currntrules/r4306.pdf>District Rule 4320: <http://www.valleyair.org/rules/currntrules/r4320.pdf> |
| **EMISSION CONTROL MODIFICATIONS** | **PROPOSED EMISSION CONTROL MODIFICATIONS**[ ]  NONE. CURRENTLY IN COMPLIANCE[ ]  TUNE EXISTING BURNER SYSTEM[ ]  BURNER SYSTEM MODIFICATION/REPLACEMENT[ ]  SELECTIVE CATALYTIC REDUCTION |
| **4306 COMPLIANCE**[ ]  CURRENTLY IN COMPLIANCE [ ]  MODIFY CONTROLS (DESCRIBED ABOVE)[ ]  OTHER (EXPLAIN):       | **4320 COMPLIANCE**[ ]  CURRENTLY IN COMPLIANCE [ ]  MODIFY CONTROLS (DESCRIBED ABOVE)[ ]  ELECT TO PAY ANNUAL EMISSIONS FEE PER §5.1.2 |

|  |  |
| --- | --- |
| PRIMARY FUEL | Fuel Type: [ ]  Natural Gas [ ]  LPG/Propane [ ]  Diesel [ ]  Other:        |
| Higher Heating Value:       Btu/gal or       Btu/scf | Sulfur Content:       % by weight or       gr/scf |
| Annual Fuel Use (specify units):       |
| **EMISSIONS DATA** |
| Operational Mode | Steady State(ppmv)(lb/MMBtu) | Start-up(ppmv)(lb/hr) | Shutdown(ppmv)(lb/hr) |
| Nitrogen Oxides |       |       |       |       |       |       |
| Carbon Monoxide |       |       |       |       |       |       |
| Volatile Organic Compounds |       |       |       |       |       |       |
| Duration (please provide justification) |        hr/day |        hr/yr |        hr/day |        hr/yr |
| % O2, dry basis, if corrected to other than 3%:       % |
| **SOURCE OF DATA**[ ]  Manufacturer’s Specifications [ ]  Emission Source Test [ ]  Other       (please provide copies) |
| SECONDARY FUEL | Fuel Type: [ ]  Natural Gas [ ]  LPG/Propane [ ]  Diesel [ ]  Other:        |
| Higher Heating Value:       Btu/gal or       Btu/scf | Sulfur Content:       % by weight or       gr/scf |
| Annual Fuel Use (specify units):       |
| How will the secondary fuel be used?[ ]  Secondary full-time fuel [ ]  Backup for primary fuel [ ]  Other:        |
| **EMISSIONS DATA** |
| Operational Mode | Steady State(ppmv)(lb/MMBtu) | Start-up(ppmv)(lb/hr) | Shutdown(ppmv)(lb/hr) |
| Nitrogen Oxides |       |       |       |       |       |       |
| Carbon Monoxide |       |       |       |       |       |       |
| Volatile Organic Compounds |       |       |       |       |       |       |
| Duration (please provide justification) |        hr/day |        hr/yr |        hr/day |        hr/yr |
| % O2, dry basis, if corrected to other than 3%:       % |
| **SOURCE OF DATA**[ ]  Manufacturer’s Specifications [ ]  Emission Source Test [ ]  Other       (please provide copies) |
| **MAJOR SOURCESONLY IF REPLACING / MODIFYINGA UNIT** | REPLACED/MODIFIED UNIT: Provide the projected actual emissions for each unit in lb/year (based on expected utilization over next 5 years):NOx:      , PM10:      , VOC:      , SOx:      Attach detailed basis/justification used to determine projected actual emissions |
| NEW/MODIFIED UNIT: Provide the portion of projected actual emissions that each unit, unmodified, “could have accomodated” during same period as baseline actual emissions NOx:      , PM10:      , VOC:      , SOX:      Attach detailed basis/justification used to verify the portion of projected actual emissions that each unit “could have accomodated”  |
| EXISTING UNIT: Baseline actual emissions in lb/year (average annual rate of emissions during any 24 month period in previous 10 years)NOx:      , PM10:      , VOC:      , SOX:      Attach records of historical usage and emissions used in determination  |