# **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.*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 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 SOURCES ONLY IF REPLACING / MODIFYING A 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 | | | | | | |