

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

B. Grate-Suspension Boiler (EU-002)

OTHER MONITORING REQUIREMENTS

1. Operating Parameters: In accordance with the manufacturer's recommendations, the permittee shall install, calibrate, operate and maintain continuous monitoring and recording devices for the following parameters: steam temperature (°F), steam pressure (psig), steam production rate (lb/hr) and heat rate (4 hour averages). Records shall be maintained on site and made available upon request. [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]
2. SCR Ammonia Injection: In accordance with the manufacturer's specifications, the permittee shall install, calibrate, operate and maintain a flow meter to measure and record the ammonia injection rate for the SCR system for the steam generating unit. The permittee shall document the general range of NH₃ flow rates required to meet the NO_x standard over the range of load conditions by comparing NO_x emissions with ammonia flow rates. During NO_x CEMS downtimes or malfunctions, the permittee shall operate at an NH₃ flow rate that is consistent with the documented flow rate for the given load condition. Records shall be maintained on site and made available upon request. [Rule 62-4.070(3), F.A.C.]

RECORDS AND REPORTS

3. Stack Test Reports: In addition to the information required in Rule 62-297.310(8), F.A.C., each stack test report shall also include the following information: steam production rate (lb/hour), heat input rate (MMBtu/hr), calculated fuel firing rate (tons/hour, gallons per hour and millions of scf per hour as appropriate) and emission rates (NH₃ slip in ppmvd @ 7% O₂; PM, VOC, SAM and in lb/hr). SO₂, CO and NO_x CEMS data along with COMS opacity data during stacking testing shall also be included the each stack test report. [Rule 62-4.070(3), F.A.C.]
4. Monthly Operations Summary: By the tenth calendar day of each month, the permittee shall record the following for each fuel used in the biomass boiler in a written or electronic log for the previous month of operation: hours of operation; tons of clean woody biomass, gallons of ultra low sulfur distillate fuel oil; millions of scf of pipeline natural gas; pounds of steam per month; total heat input rate; and the updated 12-month rolling totals for each of these operating parameters. In addition, the 4 hour average heat input rate to the biomass boiler shall be recorded and reported. The Monthly Operations Summary shall be maintained on site and made available for inspection when requested by the Department. [Rules 62-4.070(3) F.A.C. Reasonable Assurance]
5. Quarterly SO₂, CO, NO_x and Opacity Emissions Report: Within 30 days following the end of each quarter, the permittee shall submit a report to the Compliance Authority summarizing SO₂, CO, NO_x and opacity emissions including periods of startups, shutdowns, malfunctions, and CEMS and COMS systems monitor availability for the previous quarter. If opacity COMS data is excluded from a compliance determination during the quarter due to a malfunction, the permittee shall include a description of the malfunction, the actual emissions recorded, and the actions taken to correct the malfunction in the quarterly report. After the first full four quarters of operation, the permittee may request approval from the Compliance Authority to submit these reports on a semiannual basis. See Figure 1 in 40 CFR 60,7(d) for reporting format. [Rules 62-4.070(3), 62-4.130, and 62-210.400(5)(c), F.A.C.]