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| --- | --- |
| Minnesota Pollution Control Agency (MPCA), 520 Lafayette Road North, St. Paul, MN 55155-4194 | Air Performance Test form  Air Quality Compliance Program  Operating Data Summary for Combustion Sources  Doc Type: Compliance/Enforcement Correspondence |

**Instructions:** Email test reports and plans to: SubmitStackTest.pca@state.mn.us

## **Facility information**

|  |  |  |  |
| --- | --- | --- | --- |
| Company name: |  | Furnace(s) No: |  |
| Test date(s): |  | | |

## **A. Fuel Input and Operating Capacities:** Itemize fuels and materials added to the combustion process during the test period. Attach ultimate/proximate analysis of the fuel, if applicable. **List appropriate units.**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Run No.** | **Fuel type & origin  (e.g., Bituminous/Eastern)** | **Fuel input  (list units)** | **Heat content (list units)** | **Steam  (103 lbs/hr)** | **Gross MW/hr** | **Heat input  (106 Btu/hr)** |
| **1** |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |
| **Avg.** |  |  |  |  |  |  |

## **B. Operating Data for Furnace and Air Pollution Control Equipment**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. | Were the furnace(s) and control equipment operated consistent with normal procedures?  Yes  No If no, explain below: | | | | | | | |
|  |  | | | | | | | |
| 2. | Date(s) and procedure(s) of last maintenance/cleaning within six (6) months:  Remains unchanged from information provided in test plan | | | | | | | |
|  |  | | | | | | | |
| 3. | Include a copy of chart/data log records during test for the combustion efficiency indices: carbon monoxide (CO), oxygen (O2), carbon dioxide (CO2), combustibles, steam flow, air flow, etc. (Label as appropriate.) | | | | | | | |
| 4. | Soot blowing and ash pulling information:  No soot blowing or ash pulling conducted, go to Item 5. | | | | | | | |
|  | What is the normal soot blowing frequency for unit(s)?  Continuous, no further information required for this column. | | | | | | | |
|  | a) minutes/shift: | | |  | b) shifts/day: | | |  |
|  | What were the soot blowing times during the test? | | | | | | | |
|  |  | Start: |  | | End: | |  | |
|  |  | Start: |  | | End: | |  | |
|  | Last time before testing when soot blown? Date and time: | | | |  | | | |
|  | What is the normal ash pulling frequency for unit(s)?  Continuous, no further information required for this column. | | | | | | | |
|  | a) minutes/shift: | | |  | b) shifts/day: | | |  |
|  | What were the ash pulling times during the test? | | | | | | | |
|  |  | Start: |  | | End: | |  | |
|  |  | Start: |  | | End: | |  | |
|  | Last time before testing when ash was pulled? Date and time: | | | | |  | | |

|  |  |  |
| --- | --- | --- |
| 5. | Summarize control equipment operating data documented during testing. Values reported should reflect maximum, minimum, averages, or as approved in the test plan. (See test plan and approval letter) | |
|  | Examples of APC equipment and parameters generally monitored. Monitor as in the test plan and/or approval letter. | |
|  | 1. Scrubber (list type of scrubber): ΔP (in. w.c.) and feed rate (gpm and psig) | 1. Baghouse, Cyclone, and Multi-clone: ΔP (in. w.c.) |
|  | 1. Catalytic Incinerator :(°Finlet,°Foutlet) and Thermal Incinerator: (°Foperating) | 1. ESP: Number and identity of operating field(s) |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **APC equipment and parameter monitored** | **Run 1** | **Run 2** | **Run 3** | **Average** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  | **List pollutant & averaging basis (should reflect permit)** | **Run 1** | **Run 2** | **Run 3** | **Average** |
|  | Continuous Opacity Monitor (list hourly average): |  |  |  |  |
|  | Monitor (list averaging basis): |  |  |  |  |
|  | Monitor (list averaging basis): |  |  |  |  |

**Abbreviations:**

*APC = air pollution control*

*Btu = British thermal units*

*gpm = gallons per minute*

*in. w.c. = inches of water column*

*lbs. = pounds*

*MW = megawatts*

*psig = pounds per square inch gauge*

*ΔP = pressure drop*

**Note:** This form provides only a summary of the operating conditions during the performance test. Additional and more detailed records must be included in the test report to meet the requirements of Minn. R. 7017.2035. This form is to be submitted as part of the performance test report.