**Periodic Monitoring Example:**

NoneSuch Energy, Inc., West Windfall, Maine, License A-000-70-C-R

(Only the License Conditions related to periodic monitoring report requirements are shown.)

**License Condition**

1. Boiler #1

A. Boiler #1 Parameter Monitor

Steam production shall be limited to 367,400 #/hr. NoneSuch Energy shall monitor and record steam flow rate continuously for Boiler #1.[06-096 C.M.R. ch.140, BPT]

H. Particulate matter (PM, PM10) emissions from Boiler #1 shall be controlled by the operation and maintenance of a multiple centrifugal cyclone separator followed by an electrostatic precipitator (ESP).

NoneSuch Energy shall operate, at a minimum, the number of ESP fields that operated during the most recent demonstration of compliance with its licensed particulate emission limits. Upon written notification to the Department, and in accordance with the Bureau of Air Quality’s Air Emission Compliance Test Protocol, NoneSuch Energy may perform additional particulate emission testing to demonstrate compliance with alternative operating scenarios, but under no circumstances shall NoneSuch Energy be relieved of its obligation to meet its licensed emission limits.

Data for the following points in the ESP shall be monitored continuously and recorded once per shift during operation:

1. Primary and secondary voltages on each field
2. Primary and secondary current on each field

[06-096 C.M.R. ch. 140, BPT]

I. NoneSuch Energy shall operate SNCR with urea injection equipped with a urea mixture flow rate monitor (periodic monitor) and data shall be recorded once per shift during operation. [06-096 C.M.R. ch. 140, BPT]

J. NoneSuch Energy shall demonstrate compliance with the PM limit by conducting performance testing by December 31, 2016 and upon request by the department thereafter. [06-096 C.M.R. ch. 140, BPT]

K. NoneSuch Energy shall demonstrate compliance with the Ammonia limit by conducting performance testing by December 31, 2016 and every even year thereafter. [06-096 C.M.R. ch. 140, BPT]

M. Boiler #1 is subject to 40 C.F.R. Part 60, Subparts A and Db and NoneSuch Energy shall comply with the notification and record keeping requirements of 40 C.F.R. § 60.7 including the following:

1. NoneSuch Energy shall maintain monthly fuel use records and determine an annual capacity factor on a 12-month rolling average basis with the new annual capacity calculated at the end of each calendar month and submitted annually
2. NoneSuch Energy shall also maintain records of fuel oil percent sulfur by weight through purchase receipts.

[40 C.F.R. Part 60, Subpart Db]

(15) Diesel #2

1. Diesel #2 shall fire distillate fuel with a sulfur content not to exceed 0.0015% by weight. Fuel sulfur content compliance shall be demonstrated by fuel delivery receipts from the supplier documenting the type of fuel delivered and the sulfur content of the fuel. [06-096 C.M.R. ch. 140, BPT]
2. Diesel #2 shall be limited to 100 hours/year for maintenance checks and readiness testing. Up to 50 hours/year of the 100 hours/year may be used in non-emergency situations (this does not include peak shaving, demand response, or to generate income for a facility by providing power to an electric grid or otherwise supply power as part of a financial arrangement with another entity). These limits are based on a calendar year. Compliance shall be demonstrated by records (electronic or written log) of all engine operating hours.

[40 C.F.R. § 60.4211(f) and 06-096 C.M.R. ch. 140, BPT]

**PERIODIC MONITORING REPORT FORM1**

**Facility Name\_\_**NoneSuch Energy, Inc.**\_\_\_\_\_ License Number\_\_**A-000-70-C-R**\_\_\_ From\_\_**January**\_\_\_\_ to \_\_**June**\_\_\_ 20**17**\_\_\_\_\_**

*(month) (month) (year)*

| ***License Condition*** | ***Emission Source / Control Device*** | Periodic Monitoring Parameter | ***Monitoring Frequency*** | ***Limit***  (From license) | ***Summary2*** |
| --- | --- | --- | --- | --- | --- |
| (14)(A) | Boiler #1 | Steam Flow Rate | Continuous | 367,400 #/hr | ❑ No deviations occurred  Highest rates: **Jan. 366,248\*, Feb. 373,126\*, Mar. 365,579\***, Apr. 363,257, May 356,579, Jun. 365,680  \*Missing data on Jan. 1 and Mar. 15. Limit exceeded on Feb. 5-16. See attached explanation. |
| (14)(M) | Boiler #1 | Quantity of each fuel combusted | Daily | None | 🗹No deviations occurred  See attached table of fuel consumption and capacity factors |
| (14)(H)(1) | Boiler #1/ESP | Primary and Secondary Voltage | Once per shift | None | ❑ No deviations occurred  All days recorded except Jan. 1 and Mar. 15 |
| (14)(H)(2) | Boiler #1/ESP | Primary and Secondary Current | Once per shift | None | ❑ No deviations occurred  All days recorded except Jan. 1 and Mar. 15 |
| (14)(I) | Urea Addition | Flow Rate | Once per shift | None | ❑ No deviations occurred  All days recorded except Jan. 1 and Mar. 15 |
| (14)(J) | Boiler #1 | PM Emissions Test | Upon Request | 0.02 lb/MMBtu and 11.7 lb/hr | 🗹 No deviations occurred  See Emission Test Report of 8/24/16 |
| (14)(K) | Boiler #1 | Ammonia Emissions Test | Every even year | 40 ppmdv on a 1-hr avg | 🗹 No deviations occurred  See Emission Test Report of 8/24/16 |
| (15)(A) | Diesel #2 | Fuel sulfur content | Each Delivery | 0.0015% by weight | ❑ No deviations occurred  Highest %S: Jan. 0.0015%,  **Mar. 0.01%\***, May 0.0015%  \*See letter dated 3/23/17 |
| (15)(B) | Diesel #2 | Hours of Operation | As occurs | 100 hr per calendar year | 🗹 No deviations occurred |