

# **Utah State Implementation Plan**

## **Emission Limits and Operating Practices**

### **Section IX, Part H**

1     **H.21. General Requirements: Control Measures for Area and Point Sources,**  
2     **Emission Limits and Operating Practices, Regional Haze**  
3     **Requirements**

4     a. Except as otherwise outlined in individual conditions of this Subsection IX.H.21 listed  
5         below, the terms and conditions of this Subsection IX.H.21 shall apply to all sources  
6         subsequently addressed in Subsection IX.H.22. Should any inconsistencies exist between  
7         these two subsections, the source specific conditions listed in IX.H.22 shall take  
8         precedence.

9     b. The definitions contained in R307-101-2, Definitions and R307-170-4, Definitions, apply  
10        to Section IX, Part H. In addition, the following definition also applies to Section IX, Part  
11        H.21 and 22:

12        *Boiler operating day* means a 24-hour period between 12 midnight and the following  
13        midnight during which any fuel is combusted at any time in the boiler. It is not necessary  
14        for fuel to be combusted for the entire 24-hour period.

15     c. The terms and conditions of R307-107-1 and R307-107-2 shall apply to all  
16         sources subsequently addressed in Subsection IX.H.22.

17     d. Any information used to determine compliance shall be recorded for all periods when the  
18         source is in operation, and such records shall be kept for a minimum of five years. All  
19         records required by IX.H.21.c shall be kept for a minimum of five years. Any or all of these  
20         records shall be made available to the Director upon request.

21     e. All emission limitations listed in Subsections IX.H.22 shall apply at all times, unless  
22         otherwise specified in the source specific conditions listed in IX.H.22. Each source shall  
23         submit a report of any deviation from the applicable requirements of Subsection IX.H.,  
24         including those attributable to upset conditions, the probable cause of such deviations, and  
25         any corrective actions or preventive measures taken. The report shall be submitted in  
26         accordance with the requirements of R307-170, Continuous Emission Monitoring Program.  
27         Deviations due to breakdowns shall be reported according to the breakdown provisions of  
28         R307-107.

29     f. Stack Testing:

30        i. As applicable, stack testing to show compliance with the emission limitations for the  
31            sources in Subsection IX.H.22 shall be performed in accordance with the following:

32            A. Sample Location: The testing point shall be designed to conform to the requirements  
33                of 40 CFR 60, Appendix A, Method 1, or the most recent version of the EPA-  
34                approved test method if approved by the Director.

35            B. Volumetric Flow Rate: 40 CFR 60, Appendix A, Method 2, or the most recent  
36                version of the EPA-approved test method if approved by the Director.

37            C. Particulate (PM): 40 CFR 60, Appendix A, Method 5B, or the most recent version of  
38                the EPA-approved test method if approved by the Director. A test shall consist of

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- 1 three runs, with each run at least 120 minutes in duration and each run collecting a  
2 minimum sample of 60 dry standard cubic feet. The back half condensables shall also  
3 be tested using Method 202. The back half condensables shall not be used for  
4 compliance demonstration but shall be used for inventory purposes.
- 5 D. Calculations: To determine mass emission rates (lb/hr, etc.) the pollutant  
6 concentration as determined by the appropriate methods above shall be multiplied  
7 by the volumetric flow rate and any necessary conversion factors to give the results  
8 in the specified units of the emission limitation.
- 9 E. A stack test protocol shall be provided at least 30 days prior to the test. A  
10 pretest conference shall be held if directed by the Director.
- 11 g. Continuous Emission and Opacity Monitoring.
- 12 i. For all continuous monitoring devices, the following shall apply:
- 13 A. Except for system breakdown, repairs, calibration checks, and zero and span  
14 adjustments required under paragraph (d) 40 CFR 60.13, the owner/operator of an  
15 affected source shall continuously operate all required continuous monitoring  
16 systems and shall meet minimum frequency of operation requirements as outlined in  
17 R307-170 and 40 CFR 60.13.
- 18 B. The monitoring system shall comply with all applicable sections of R307-170; 40  
19 CFR 13; and 40 CFR 60, Appendix B – Performance Specifications.
- 20 C. For any hour in which fuel is combusted in the unit, the owner/operator of each  
21 unit shall calculate the hourly average NO<sub>x</sub> concentration in lb/MMBtu.
- 22 D. At the end of each boiler operating day, the owner/operator shall calculate and  
23 record a new 30-day rolling average emission rate in lb/MMBtu from the arithmetic  
24 average of all valid hourly emission rates from the CEMS for the current boiler  
25 operating day and the previous 29 successive boiler operating days.
- 26 E. An hourly average NO<sub>x</sub> emission rate in lb/MMBtu is valid only if the minimum  
27 number of data points, as specified in R307-170, is acquired by the owner/operator for both the pollutant  
28 concentration monitor (NO<sub>x</sub>) and the diluent monitor (O<sub>2</sub> or CO<sub>2</sub>).