



STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

PAUL R. LEPAGE
GOVERNOR

PATRICIA W. AHO
COMMISSIONER

**University of Maine
Penobscot County
Orono, Maine
A-204-70-G-A**

**Departmental
Findings of Fact and Order
Part 70 Air Emission License
Amendment #2**

After review of the Part 70 License Significant Modification application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A, §344 and §590, the Department finds the following facts:

I. REGISTRATION

A. Introduction

FACILITY	University of Maine (UMaine)
LICENSE AMENDMENT TYPE	Part 70 Significant Modification
NAICS CODES	611310
NATURE OF BUSINESS	Educational Facility
PART 70 LICENSE RENEWAL NUMBER and ISSUANCE DATE	A-204-70-F-R January 15, 2009
AMENDMENT ISSUANCE DATE	January 31, 2012
LICENSE EXPIRATION DATE	January 15, 2014

UMaine has submitted a Part 70 Significant Modification application to modify the visible emissions monitoring requirement for stack #4 which exhausts Boilers #5 and #6. The existing license requirement states that UMaine shall perform a monthly Method 9 visible emission determination on stack #4. UMaine has proposed language to allow flexibility to forgo visible emission monthly readings under a specific condition: when only one of the two boilers is operated for 5 days or less in a calendar month.

B. Emission Equipment

This Part 70 license amendment addresses the visible emissions monitoring method for Boilers #5 and #6. The boilers are #6 oil fired units, each rated at 86.8 MMBtu/hr and they exhaust out a common stack.

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AUGUSTA, MAINE 04333-0017
(207) 287-7688 FAX: (207) 287-7826
RAY BLDG., HOSPITAL ST.

BANGOR
106 HOGAN ROAD, SUITE 6
BANGOR, MAINE 04401
(207) 941-4570 FAX: (207) 941-4584

PORTLAND
312 CANCO ROAD
PORTLAND, MAINE 04103
(207) 822-6300 FAX: (207) 822-6303

PRESQUE ISLE
1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, MAINE 04679-2094
(207) 764-0477 FAX: (207) 760-3143

C. Application Classification

The application for UMaine does not include the licensing of increased emissions, however the revision of visible emissions monitoring for Stack #4 could be considered a relaxation of testing and reporting license terms or conditions. Therefore the license application is considered to be a Part 70 Significant Modification processed under *Part 70 Air Emission License Regulations*, 06-096 CMR 140 (as amended).

II. PART 70 SIGNIFICANT MODIFICATION

A. Description

The current condition 15(F) in air emission license A-204-70-F-R requires UMaine to conduct a monthly visible emissions determination from stack #4 (servicing Boilers #5 and #6) as follows:

- (15)(F) UMaine shall conduct monthly visible emission determinations from stack #4 to demonstrate compliance with the opacity limit as follows:
1. UMaine shall use the methods set forth in 40 CFR Part 60, Appendix A, Method 9 for visible emissions and shall record the opacity levels in 15 second intervals for at least 18 consecutive minutes.
 2. If one of the three 6-minute block averages observed during an 18 minute period are above 30% opacity, then the observation period shall be extended to 3 hours.
 3. The personnel performing the observations shall hold current Method 9 visible emission observer certifications.
 4. UMaine shall keep records of the monthly observations for six years.

Boiler #5 and/or Boiler #6 are typically operated during the colder months, along with the primary boilers at UMaine, Boiler #7 and a newly installed Boiler #8, which are operated year round. In addition to scheduled maintenance, there are occasions when Boiler #7 and/or #8 will go down and Boiler #5 or Boiler #6 must be brought online for a short time before Boilers #7 and/or #8 return to operating status. Based on historical data for Boiler #7, this situation occurs twice a year on average and the length of time either Boiler #5 or #6 is operated due to an unplanned Boiler #7 outage is typically two to three days.

During these short term scenarios when Boiler #5 or #6 is operated for only a short amount of time and UMaine personnel are engaged in bringing the primary boiler back on line, the visible emission reading for stack #4 can be inadvertently overlooked. When the reading doesn't take place, UMaine has been reporting this as a deviation. During regular operation of Boilers #5 and Boilers #6 in the colder months, the visible emissions from stack #4 are documented monthly as required.

B. Department Findings

The Department approves adding language to condition 15(F) of air emission license A-204-70-F-R that states a visible emission Method 9 observation is not required to be performed on Stack #4 during the specific scenario of when either only Boiler #5 or Boiler #6 is brought on-line for less than 5 days in any calendar month.

This short-term, well defined circumstance allows flexibility for UMaine to focus on bringing the primary boiler back on-line as expeditiously as possible. The requirements in air emission license A-204-70-F-R will continue to remain in effect, including the boiler opacity limits and the documentation of a monthly visible emission Method 9 reading from stack #4 when either Boiler #5 or #6 are operated for more than 5 days in any calendar month.

ORDER

Based on the above Findings and subject to conditions listed below, the Department concludes that emissions from this source:

- will receive Best Practical Treatment;
- will not violate applicable emissions standards
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-204-70-G-A subject to the statements and conditions found in Air Emission License A-204-70-F-R, amendment A-204-70-H-A and in the following conditions.

Federally enforceable conditions in this Part 70 license must be changed pursuant to the applicable requirements in 06-096 CMR 115 for making such changes and pursuant to the applicable requirements in 06-096 CMR 140.

For each standard and special condition which is state enforceable only, state-only enforceability is designated with the following statement: **Enforceable by State-only.**

Severability. The invalidity or unenforceability of any provision, or part thereof, of this License shall not affect the remainder of the provision or any other provisions. This License shall be construed and enforced in all respects as if such invalid or unenforceable provision or part thereof had been omitted.

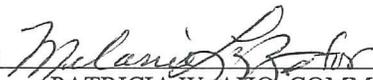
SPECIAL CONDITIONS

The following shall replace Condition (15)(F) in Air Emission License A-204-70-F-R:

- (15) F. UMaine shall conduct monthly visible emission determinations from stack #4 to demonstrate compliance with the opacity limit as follows:
1. UMaine shall use the methods set forth in 40 CFR Part 60, Appendix A, Method 9 for visible emissions and shall record the opacity levels in 15 second intervals for at least 18 consecutive minutes.
 2. If one of the three 6-minute block averages observed during an 18 minute period are above 30% opacity, then the observation period shall be extended to 3 hours.
 3. The personnel performing the observations shall hold current Method 9 visible emission observer certifications.
 4. UMaine shall keep records of the monthly observations for six years.
 5. If in any calendar month only one boiler (either Boiler #5 or Boiler #6) is operated for five consecutive days or less then no visible emissions reading is required for stack #4 for that month. UMaine shall maintain records documenting operating time for Boilers #5 and #6.
- [06-096 CMR 140, BPT]

DONE AND DATED IN AUGUSTA, MAINE THIS 31st DAY OF January, 2012.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: 
PATRICIA W. AHO, COMMISSIONER

The term of this amendment shall be concurrent with the term of Air Emission License A-204-70-F-R.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: March 11, 2011

Date of application acceptance: March 25, 2011

Date filed with the Board of Environmental Protection:

This Order prepared by Kathleen E. Tarbuck, Bureau of Air Quality.

