



STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION



PAUL R. LEPAGE
GOVERNOR

PATRICIA W. AHO
COMMISSIONER

University of Maine
Penobscot County
Orono, Maine
A-204-77-6-M

Departmental
Findings of Fact and Order
New Source Review
NSR #6

FINDINGS OF FACT

After review of the air emissions license minor revision 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., Section 344 and Section 590, the Maine Department of Environmental Protection (Department) finds the following facts:

I. REGISTRATION

A. Introduction

FACILITY	University of Maine
LICENSE TYPE	06-096 CMR 115, Minor Revision
NAICS CODES	611310
NATURE OF BUSINESS	Educational Facility
FACILITY LOCATION	5765 Service Building and throughout the Orono Campus

The University of Maine, an educational facility located in Orono, operates various fuel burning units for the facility's steam and heating needs. Additional equipment includes emergency generators and printing facilities.

B. Amendment Description

The University of Maine has submitted a minor revision to remove the six month fuel reporting requirement for Boiler #8 found in condition 6(F)(3) of New Source Review license A-204-77-3-A (issued June 9, 2011). Boiler #8 fires gaseous fuels only and there are no applicable standards for gaseous fuels in 40 CFR Part 60, Subpart Dc, *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units*. The gas fuel consumption in Boiler #8 will still be required to be reported in the Part 70 semi-annual periodic monitoring report.

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1235 CENTRAL DRIVE, SKYWAY PARK
PRESQUE ISLE, MAINE 04769
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C. Emission Equipment

Fuel reporting for Boiler #8 is addressed in this air emission license. Boiler #8 has a maximum heat input capacity of 75 MMBtu/hr and is licensed to fire natural gas and landfill gas.

D. Application Classification

The application submitted by the University of Maine does not violate any applicable federal or state requirements, does not reduce monitoring, testing or record keeping, and does not seek to modify a Best Available Control Technology (BACT) analysis. The application does clarify reporting requirements.

The amendment is determined to be a minor revision under *Minor and Major Source Air Emission License Regulations* 06-096 CMR 115 (as amended). The procedures found in 06-096 CMR 115 (as amended) can be utilized to process this application since a revision is being made to a New Source Review license which has not yet been incorporated into the Part 70 air emission license. This minor revision shall be included in the Part 70 Significant Modification currently being processed.

II. MINOR REVISION DESCRIPTION

The University of Maine has proposed to remove a reporting requirement for Boiler #8 which is not applicable due to the type of fuel fired in the unit, but was erroneously included in New Source Review air emission license A-204-77-3-A (issued June 9, 2011). The University of Maine was licensed to install and operate Boiler #8 (maximum capacity rating of 75 MMBtu/hr) at the central steam plant to replace Boilers #3 and #4. Boiler #8 is restricted to firing only natural gas and landfill gas and is not equipped to fire fuel oil. However, one of the requirements in the New Source Review license includes submission of a six month fuel report to EPA based on New Source Performance Standards (NSPS) 40 CFR Part 60, Subpart Dc, *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units*. Although Boiler #8 is subject to 40 CFR Part 60, Subpart Dc, the University of Maine requests that the 6 month fuel report requirement be removed since the boiler only fires gaseous fuels.

40 CFR Part 60, Subpart Dc contains standards for SO₂ and PM for various fuels and size categories of boilers, but there are no standards for natural gas or gaseous fuels. The standards, compliance, and testing requirements addressed in the regulation are for units that fire coal, oil, biomass and combinations thereof. The reporting and recordkeeping requirements section, §60.48c, includes a notification submittal, recordkeeping requirements, and reports for monitors, monitoring plans and fuel

certifications. The following excerpts are the only ones in §60.48c that pertain to firing gaseous fuels:

§ 60.48c Reporting and recordkeeping requirements.

- (g) (1) Except as provided under paragraphs (g)(2) and (g)(3) of this section, the owner or operator of each affected facility shall record and maintain records of the amount of each fuel combusted during each operating day.
- (2) As an alternative to meeting the requirements of paragraph (g)(1) of this section, the owner or operator of an affected facility that combusts only natural gas, wood, fuels using fuel certification in § 60.48c(f) to demonstrate compliance with the SO₂ standard, fuels not subject to an emissions standard (excluding opacity), or a mixture of these fuels may elect to record and maintain records of the amount of each fuel combusted during each calendar month.

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- (i) All records required under this section shall be maintained by the owner or operator of the affected facility for a period of two years following the date of such record.

There is an additional requirement in § 60.48c (j) for reports: "The reporting period for the reports required under this subpart is each six-month period. All reports shall be submitted to the Administrator and shall be postmarked by the 30th day following the end of the reporting period." However, there are no reports required for the gaseous fuels, only recordkeeping as noted above.

Condition 6(F) of New Source Review air emission license A-204-77-3-A for Boiler #8 currently states:

(6) F. NSPS 40 CFR Part 60, Subpart Dc Requirements

1. UMaine shall meet the applicable requirements of 40 CFR Part 60, Subpart Dc, including initial notifications submittals, maintaining records, and report submittals. [40 CFR Part 60, Subpart Dc]
2. The initial notification required under 40 CFR Part 60, Subpart Dc shall include the date of construction and actual startup, the design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility, and the annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired and based on each individual fuel fired. [40 CFR Part 60, Subpart Dc, §60.48c(a)]
3. UMaine shall submit a fuels report each six-month period to EPA. The report shall be postmarked by the 30th day following the end of the reporting period. [40 CFR Part 60, Subpart Dc, §60.48c (i)]

Based on the requirements of 40 CFR Part 60, Subpart Dc, the Department shall revise condition (16)(F) to align it with the federal regulation. The specifics for the initial notification shall also be removed since the notification has already occurred. Although the University of Maine will no longer need to submit the six-month fuels

report to EPA, the facility will be required to submit a summary of the gas fuel consumption in Boiler #8 as part of the Part 70 semi-annual periodic monitoring report.

ORDER

The Department hereby grants Air Emission License Minor Revision A-204-77-6-M pursuant to the preconstruction licensing requirements of 06-096 CMR 115 and subject to the specific conditions below.

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.

SPECIFIC CONDITIONS

The following shall replace condition (6)(F) in New Source Review license A-204-77-3-A:

(6) Boiler #8

F. NSPS 40 CFR Part 60, Subpart Dc Requirements

The University of Maine shall meet the applicable requirements of 40 CFR Part 60, Subpart Dc, including initial notifications submittals and maintaining records. [40 CFR Part 60, Subpart Dc]

DONE AND DATED IN AUGUSTA, MAINE THIS 18 DAY OF June, 2013.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: Maureen Robert Corro for
PATRICIA W. AHO, COMMISSIONER

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: July 20, 2012

Date of application acceptance: July 30, 2012

Date filed with the Board of Environmental Protection:

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

