



STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JOHN ELIAS BALDACCI
GOVERNOR

DAVID P. LITTELL
COMMISSIONER

University of Maine at Machias )
Washington County )
Machias, Maine )
A-463-71-L-M )
Departmental Findings of Fact and Order
Air Emission License
Amendment #1

After review of the air emissions license 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 Department finds the following facts:

I. REGISTRATION

A. Introduction

University of Maine at Machias (UMM) of Machias, Maine was issued Air Emission License A-463-71-K-R/A on February 25, 2008, permitting the operation of emission sources associated with their educational facility.

UMM has requested a minor revision to their License in order to remove one boiler and replace it with two new boilers. Boiler TOR-1 is being removed and replaced with two boilers each rated at 0.81 MMBtu/hr. The two new boilers are considered insignificant activities per Major and Minor Source Air Emission License Regulations, 06-096 CMR 115 (last amended December 24, 2005).

B. Application Classification

This amendment will not increase emissions of any pollutant. Therefore, this modification is determined to be a minor revision and has been processed as such.

II. AMBIENT AIR QUALITY ANALYSIS

According to the 06-096 CMR 115, the level of air quality analyses required for a renewal source shall be determined on a case-by case basis. Based on the total facility emissions, UMM is below the emissions level required for modeling and monitoring.

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### ORDER

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

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

The Department hereby grants Air Emission License A-463-71-L-M subject to the following conditions:

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

Specific Condition 16 in Air Emission License shall be replaced with the following:

(16) **Boilers**

- A. The boilers shall be limited to 300,000 gallons per year of #2 fuel oil which meets the criteria in ASTM D396. Records from the supplier documenting quantity received and fuel type shall be kept for compliance purposes. [06-096 CMR 115, BPT]
- B. Emissions shall not exceed the following:

Emission Unit	Pollutant	lb/MMBtu	Origin and Authority
CLL-1	PM	0.12	A-463-71-G-R/A
KIL-1	PM	0.12	06-096 CMR 103(2)(B)(1)(a)

C. Emissions shall not exceed the following [06-096 CMR 115, BPT]:

Emission Unit	PM (lb/hr)	PM <sub>10</sub> (lb/hr)	SO <sub>2</sub> (lb/hr)	NO <sub>x</sub> (lb/hr)	CO (lb/hr)	VOC (lb/hr)
CLL-1	0.37	0.37	1.57	1.09	0.11	0.01
POW-1	0.26	0.26	1.08	0.75	0.08	0.01
POW-2	0.26	0.26	1.08	0.75	0.08	0.01
KIM-1	0.25	0.25	1.06	0.74	0.08	0.01
KIL-1	0.38	0.38	1.59	1.10	0.11	0.01
SCI-1	0.22	0.22	0.92	0.64	0.07	0.01
SCI-2	0.22	0.22	0.92	0.64	0.07	0.01
DOR-1	0.22	0.22	0.92	0.64	0.07	0.01
DOR-2	0.22	0.22	0.92	0.64	0.07	0.01
DOR-3	0.22	0.22	0.92	0.64	0.07	0.01
FAC-1	0.23	0.23	0.96	0.67	0.07	0.01

D. Visible emissions from each boiler stack shall not exceed 20% opacity on a six (6) minute block average, except for no more than two (2), six (6) minute block averages in a continuous 3-hour period. [06-096 CMR 101]

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- (18) UMM shall notify the Department within 48 hours and submit a report to the Department on a quarterly basis if a malfunction or breakdown in any component causes a violation of any emission standard (38 MRSA §605-C).

DONE AND DATED IN AUGUSTA, MAINE THIS 21st DAY OF July 2010.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: James P. Little  
DAVID P. LITTLE, COMMISSIONER

**The term of this amendment shall be concurrent with the term of Air Emission License A-463=71-K-R/A.**

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 3/24/2010

Date of application acceptance: 3/29/2010

Date filed with the Board of Environmental Protection: \_\_\_\_\_

This Order prepared by Jonathan Voisine, Bureau of Air Quality.

