



STATE OF MAINE  
DEPARTMENT OF ENVIRONMENTAL PROTECTION



PAUL R. LEPAGE  
GOVERNOR

PATRICIA W. AHO  
COMMISSIONER

**L. L. Bean, Inc.  
Desert Road Campus  
Cumberland County  
Freeport, Maine  
A-764-71-G-M**

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

**FINDINGS OF FACT**

After review of the air emissions license amendment 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 Maine Department of Environmental Protection (Department) finds the following facts:

**I. REGISTRATION**

**A. Introduction**

L. L. Bean, Inc. (L. L. Bean) was issued Air Emission License A-764-71-E-R/A on September 22, 2010, licensing the operation of emission sources associated with their Desert Road Campus distribution and order fulfillment center in Freeport, Maine.

L. L. Bean has requested a minor revision to correct an error found in their air license during a routine review. The error is that the facility is burning natural gas in an emergency generator; however, the air license incorrectly states the unit fires propane.

**B. Emission Equipment**

The following equipment is addressed in this air emission license amendment:

<b>Equipment</b>	<b>Maximum Capacity (MMBtu/hr)</b>	<b>Maximum Firing Rate</b>	<b>Fuel Type</b>	<b><u>Stack #</u></b>
Generator OFC-ONAN	0.5	485.5 scf/hr	Natural gas	OFC-ONAN

C. Application Classification

This minor revision will not increase licensed allowed fuel limits or increase emissions of any criteria pollutant. Therefore, this modification is determined to be a minor revision and has been processed as such.

II. REVISION DESCRIPTION

A. Introduction

In the Finding of Fact of Air Emissions License A-764-E-R/A issued September 22, 2010, page 6 of the BPT section states the following:

BPT (OFC-CAT) and BACT (OFC-ONAN and DDR-CUM FP) are the following:

1. OFC-CAT and DDR-CUM FP shall fire only diesel fuel with a maximum sulfur content not to exceed 0.05% by weight.
2. OFC-ONAN shall fire only propane.
3. The Emergency Engines shall each be limited to 500 hr/yr of operation based on a 12 month rolling total. Compliance shall be demonstrated by a written log of all generator operating hours.
4. 06-096 CMR 106 regulates fuel sulfur content. However, the use of Propane and Diesel Fuel with a maximum sulfur content of 0.05% is more stringent and shall be considered BPT and BACT.
5. 06-096 CMR 103 regulates PM emission limits for OFC-CAT (0.12 lb/MMBtu). A PM limit of 0.12 lb/MMBtu shall be considered BACT for OFC-ONAN and DDR-CUM FP. The PM<sub>10</sub> limits are derived from the PM limits.
6. NO<sub>x</sub>, CO, and VOC emission limits are based upon AP-42 data dated 10/96 for OFC-CAT and DDR-CUM FP.
7. NO<sub>x</sub>, CO, and VOC emission limits are based upon AP-42 data dated 8/00 for OFC-ONAN.
8. Visible emissions from OFC-CAT and DDR-CUM FP shall each 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.
9. Visible emissions from OFC-ONAN shall not exceed 10% opacity on a six (6) minute block average, except for no more than one (1), six (6) minute block average in a continuous 3-hour period.

As can be seen above, the second BPT statement states "OFC-ONAN shall fire only propane". This is not how the unit is operated and will therefore be updated with "OFC-ONAN shall fire only natural gas." The emission factors for natural gas will be used instead of the use of AP-42 emission factors for propane in

determining the short-term emission limits. The specific lb/hr emission limits will be updated in the Order section of this minor revision. No other BPT conditions will need to be updated due to this change.

## **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, and
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-764-71-G-M subject to the conditions found in Air Emission License A-764-71-E-R/A, A-764-71-F-M, and 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**

**The following condition shall replace Condition (18) of Air Emissions License A-764-71-E-R/A:**

(18) **Emergency Engines (OFC-CAT, OFC-ONAN, and DDR-CUM FP)**

- A. Each emergency engine shall be limited to 500 hr/yr of operation. Hour meters shall be operated to demonstrate compliance. [06-096 CMR 115, BPT, BACT]
- B. A log shall be maintained documenting the date, time, and reason for operation for each emergency engine. [06-096 CMR 115, BPT, BACT]
- C. OFC-CAT and DDR-CUM FP shall fire diesel fuel with a sulfur content not to exceed 0.05%. Delivery receipts shall be kept documenting sulfur content. [06-096 CMR 115, BPT, BACT]
- D. OFC-ONAN shall fire only natural gas. [06-096 CMR 115, BACT]

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

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)
OFC-CAT	0.50	0.50	0.22	18.52	3.99	1.47
OFC-ONAN	0.03	0.03	0.01	1.14	1.76	0.02
DDR-CUM FP	0.10	0.10	0.04	3.70	0.80	0.29

F. Visible emissions from OFC-CAT and DDR-CUM FP shall each be limited to no more than 20% opacity on a six minute block average, except for no more than two (2), six (6) minute block averages in a 3-hour period.  
[06-096 CMR 101]

G. Visible emissions from OFC-ONAN shall be limited to no more than 10% opacity on a six minute block average, except for no more than one (1), six (6) minute block average in a 3-hour period. [06-096 CMR 101]

DONE AND DATED IN AUGUSTA, MAINE THIS 25 DAY OF November, 2013.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

The term of this amendment shall be concurrent with the term of Air Emission License A-764-71-E-R/A.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: October 30, 2013

Date of application acceptance: November 1, 2013

Date filed with the Board of Environmental Protection:

This Order prepared by Edwin Cousins, Bureau of Air Quality.

