



STATE OF MAINE  
DEPARTMENT OF ENVIRONMENTAL PROTECTION



PAUL R. LEPAGE  
GOVERNOR

AVERY T. DAY  
ACTING COMMISSIONER

**Bucksport Mill LLC  
Hancock County  
Bucksport, Maine  
A-22-77-16-M**

**Departmental  
Findings of Fact and Order  
New Source Review  
NSR #14**

**FINDINGS OF FACT**

After review of the minor revision 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

Facility	Bucksport Mill LLC (Bucksport Mill)
License Amendment Type	06-096 CMR 115 Minor Revision
NAICS Code	221112, Fossil Fuel Electric Power Generation
Nature of Business	Electric Services
Facility Location	2 River Road, Bucksport, Maine

Bucksport Mill LLC (Bucksport Mill) operates electric power generation equipment and is licensed as a major source through its Part 70 License (A-22-70-A-I, December 30, 2004) with various Part 70 amendments and New Source Review amendments.

Bucksport Mill submitted a New Source Review minor revision application to address proposed demolition activities at the facility. The papermaking equipment and papermaking infrastructure are no longer in operation. The remaining papermaking area buildings and associated constructs are scheduled to be removed.

B. Emission Sources

The infrastructure proposed to be demolished are those previously used in the papermaking process, including buildings which housed the papermaking operations and any remaining equipment. The potential particulate matter emissions from the proposed demolition activities are addressed in this minor revision.

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C. Application Classification

The application request was submitted to supplement the facility fugitive emission requirements in the existing air license; specifically to address the long term demolition project. The demolition of the existing papermaking structures and infrastructure will not result in increased emissions of any pollutant over 4 tons/year or total pollutants over 8 tons/year. Therefore, the Department has classified the application as a minor revision. The application has been processed through *Major and Minor Source Air Emission License Regulations*, 06-096 CMR 115 (as amended).

**II. MINOR REVISION DESCRIPTION**

A. Background

The current owners and managers of the Bucksport Mill recently acquired the facility and operate it as two separate and distinct entities. One entity encompasses the power generation portion of the facility and the other is comprised of the papermaking equipment and infrastructure.

The power generation portion of the facility will continue remain operational to provide power to the electric market. This includes the boilers, the gas turbine, the electrical connections to the grid, the fuel handling systems, and associated equipment.

The papermaking portion of the facility is shut down and is planned to be demolished to allow for other potential uses of the site.

In addition to addressing air emissions from the demolition project, the Bucksport Mill is working with the other Bureaus in the Department, including obtaining a Site Location of Development Act (SLODA) amendment from the Land Bureau. A Demolition Plan will address the procedures and specifications for demolition, processing, and stockpiling of recyclable metals and Construction/Demolition Debris (CDD).

B. Minor Revision Request

1. Overview

The Bucksport Mill has submitted a minor revision to address the demolition project, including activities not specifically addressed in the existing air emission license for the facility. These activities include demolition

operations, truck and heavy equipment traffic, crushing of unpainted masonry products, and stockpiling of demolition debris.

The current Part 70 license for the Bucksport Mill, A-22-70-A-I, includes conditions addressing fugitive emissions. The conditions in the air emission license continue to apply to the facility, along with the specific conditions established in this minor revision.

Standard Condition (3) in A-22-70-A-I states:

(3) The licensee shall establish and maintain a continuing program of best management practices for suppression of fugitive particulate matter during any period of construction, reconstruction, or operation which may result in fugitive dust, and shall submit a description of the program to the Department upon request.

Special Condition (26) in A-22-70-A-I states:

(26) Potential sources of fugitive PM emissions, including material stockpiles, and paved and unpaved roadways shall be controlled when appropriate by wetting with water, calcium chloride, or other methods or by sweeping paved roadways as approved by the Bureau of Air Quality. Visible emissions from a fugitive emission source shall not exceed an opacity of 20% except for no more than five (5) minutes in any 1 hour period. Compliance shall be determined by an aggregate of the individual 15 second opacity observations which exceed 20% in 1 hour.

## 2. Building Demolition

During demolition of the buildings and structures, fugitive dust may be generated. In order to minimize fugitive emissions, the Bucksport Mill has proposed to maintain the integrity of each structure's outer walls to the maximum extent possible. The outer walls of each structure will be the last portion of each structure to be removed and the walls and roof will remain intact as long as structurally and safely feasible, limiting the potential for fugitive dust emissions to the atmosphere.

During the removal of the walls and roofs, meteorological and building conditions will be evaluated to determine if wetting the work area is necessary. Unpainted masonry and concrete will be reduced in size sufficiently for processing by a portable rock crusher. Sized and separated materials will be transported to either designated on-site stockpiles or to the rock crushing area.

The Bucksport Mill shall meet the fugitive opacity limit in the Part 70 license for the demolition activities, including the demolition of buildings and structures.

### 3. Vehicle Traffic and Bulk Material Handling

The sorted and stockpiled materials from the demolition will be located at predesignated areas of the site. The construction/demolition debris (CDD) will be transferred from the area of demolition to the designated stockpiling area. Prior to being placed in trucks for transport, the CDD may be wetted to minimize fugitive emissions depending on the location of the demolition activity and meteorological conditions. During transportation of CDD materials such as crushed concrete, dirt, wall board, sawdust, and other materials that have the potential to cause fugitive dust, the material shall be covered or enclosed; or other control methods may be utilized as approved by the Bureau of Air Quality.

Based on the types of materials being stockpiled and the location of each stockpile, the bulk materials may be wetted or covered, as feasible.

The Bucksport Mill shall meet the fugitive opacity limit in the Part 70 license for the demolition activities, including those involving the transportation and storage of materials.

### 4. Rock Crusher

As part of the demolition activities, a portable rock crusher will be brought on-site by a third party to process unpainted concrete and masonry materials into 2" minus material and stockpiled on-site in a designated location. The crusher will be individually licensed by the owner of the rock crusher either through 06-096 CMR 115 or 06-096 CMR 149, *NonMetallic Mineral Processing Plants*. Portable rock crushers are utilized at various sites throughout Maine for specific jobs and the rock crushers are maintained and operated in accordance with the requirements of the license or general permit, as applicable.

### C. Additional Air Emission License Requirements

The Bucksport Mill shall submit an addendum to the pending Part 70 license renewal application to update the information on file regarding the specific licensed equipment removed or scheduled to be removed through the demolition process (i.e. paper machines, coaters, etc.). The addendum shall be submitted to the Department by October 31, 2015.

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

The Department hereby grants Air Emission License A-22-77-16-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**

#### **(1) Demolition Activities**

For the demolition project proposed at the facility:

- A. The Bucksport Mill shall meet the fugitive emission requirements currently in effect, re-stated and expanded from Standard Condition (3) and Special Condition (26) in the Part 70 license A-22-70-A-I:
  1. The Bucksport Mill shall establish and maintain a continuing program of best management practices for suppression of fugitive particulate matter during any period of construction, reconstruction, or operation (including demolition) which may result in fugitive dust, and shall submit a description of the program to the Department upon request.
  2. Potential sources of fugitive PM emissions, including demolition activities, material stockpiles, and paved and unpaved roadways shall be controlled when appropriate by wetting with water, calcium chloride, by sweeping paved roadways, or other methods as approved by the Bureau of Air Quality.
  3. Visible emissions from a fugitive emission source shall not exceed an opacity of 20% except for no more than five (5) minutes in any 1 hour period. Compliance shall be determined by an aggregate of the individual 15 second opacity observations which exceed 20% in 1 hour.

- B. The Bucksport Mill shall maintain the integrity of each structure's outer walls to the maximum extent possible as each structure is demolished. To minimize fugitive emissions, the outer walls of each structure shall be the last portion of each structure to be removed and the walls and roof shall remain intact as long as structurally and safely feasible.
- C. During transportation of CDD materials such as crushed concrete, dirt, wall board, sawdust, and other materials that have the potential to cause fugitive dust, the material shall be covered or enclosed; or other control methods may be utilized as approved by the Bureau of Air Quality.
- D. The portable rock crusher brought on site shall be individually licensed by the owner of the rock crusher either through 06-096 CMR 115 or 06-096 CMR 149, as appropriate, and shall meet all requirements, as applicable.

[06-096 CMR 115, BACT]

**(2) Application Addendum Submittal**

The Bucksport Mill shall submit an addendum to the pending Part 70 license renewal application to update the information on file regarding the specific licensed equipment removed or scheduled to be removed through the demolition process. The addendum, consisting of the removed (and to be removed) equipment list, shall be submitted to the Department by October 31, 2015. [06-096 CMR 115, BACT]

DONE AND DATED IN AUGUSTA, MAINE THIS 2 DAY OF October, 2015.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY:

Maur Allen Robert Core for  
AVERY T. DAY, ACTING COMMISSIONER

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: June 29, 2015

Date of application acceptance: June 30, 2015

Date filed with the Board of Environmental Protection:

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

