



STATE OF MAINE  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JOHN ELIAS BALDACCI  
GOVERNOR

DAVID P. LITTELL  
COMMISSIONER

**Katahdin Paper Company, LLC  
Penobscot County  
East Millinocket, Maine  
A-405-77-1-M**

**Departmental  
Findings of Fact and Order  
New Source Review  
Amendment #1**

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 Department finds the following facts:

**I. REGISTRATION**

A. Introduction

FACILITY	Katahdin Paper Company, LLC (Katahdin Paper)
PART 70 LICENSE NUMBER	A-405-70-A-I
LICENSE TYPE	06-096 CMR 115 Minor Revision
NAICS CODES	322122
NATURE OF BUSINESS	Paper Mill
FACILITY LOCATION	Main Street, East Millinocket
PART 70 LICENSE ISSUANCE DATE	October 13, 2002
NSR AMENDMENT ISSUANCE DATE	December 14, 2009

B. Amendment Description

Katahdin Paper has requested the installation of a cyclone as part of a new sludge handling system which will bring Recycle Fiber Plant sludge to the East Millinocket bark boiler (EB3)

C. Emission Equipment

The following equipment is addressed in this license: a cyclone on the new sludge handling system.

AUGUSTA  
17 STATE HOUSE STATION  
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

D. Application Classification

Katahdin Paper is already licensed to burn sludge and adding a better handling system will not increase licensed emissions, therefore this application has been processed as a minor revision through *Major and Minor Source Air Emission License Regulations*, 06-096 CMR 115 (last amended December 24, 2005).

II. BEST PRACTICAL TREATMENT (BPT)

A. Introduction

In order to receive a license the applicant must control emissions from each unit to a level considered by the Department to represent Best Practical Treatment (BPT), as defined in *Definitions Regulation*, 06-096 CMR 100 (last amended December 24, 2005). Separate control requirement categories exist for new and existing equipment as well as for those sources located in designated non-attainment areas.

BPT for new sources and modifications requires a demonstration that emissions are receiving Best Available Control Technology (BACT), as defined in 06-096 CMR 100. BACT is a top-down approach to selecting air emission controls considering economic, environmental and energy impacts.

B. Sludge Handling System Cyclone

Katahdin Paper is proposing a sludge handling system for the transportation of sludge produced at the mill's Recycled Fiber Plant to the mill's biomass boiler. The sludge handling system will include a 2715 cubic feet per minute (CFM) cyclone. Air Emission License A-405-70-A-I allows the firing of this sludge in boiler EB3, a 498 MMBtu/hr biomass boiler.

The new sludge handling system will pneumatically convey the sludge from the Recycle Fiber Plant via an enclosed pipeline to a new cyclone at the East Millinocket facility's steam plant. The sludge will be metered from the cyclone to the bark feed belt going to the day bin for EB3. The new sludge handling system will allow the mill to burn more dry sludge per day which will increase the longevity of the mill's licensed landfill.

BACT for the sludge handling system is the use of the cyclone. Visible emissions from the cyclone shall be limited to 10% opacity based on a 6 minute average. A log shall be maintained documenting all routine and non-routine maintenance on the cyclone.

**ORDER**

The Department hereby grants Air Emission License New Source Review Minor Revision A-405-77-1-M pursuant to the preconstruction licensing requirements of 06-096 CMR 115 and subject to the standard and special 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**

(1) **Sludge Handling System Cyclone**

- A. Katahdin Paper shall operate and maintain a cyclone on the sludge handling system. [06-096 CMR 140, BACT]
- B. Visible emissions from the cyclone shall not exceed 10% on a six (6) minute block average basis. [06-096 CMR 140, BACT]
- C. Katahdin Paper shall maintain a log detailing all routine and non-routine maintenance on the cyclone. The log shall include the location, date, and nature of all failures. [06-096 CMR 140, BACT]

DONE AND DATED IN AUGUSTA, MAINE THIS *14th* DAY OF *December*, 2009.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: *James P. Brooks Jr.*  
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DAVID P. LITTELL, COMMISSIONER

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: August 24, 2009  
Date of application acceptance: September 8, 2009

Date filed with the Board of Environmental Protection:

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

