



STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION



PAUL R. LEPAGE
GOVERNOR

PATRICIA W. AHO
COMMISSIONER

**George C. Hall & Sons Inc.
Knox County
Rockland, Maine
A-683-71-F-M**

**Departmental
Findings of Fact and Order
Air Emission License
Amendment #1**

FINDINGS OF FACT

After review of the air emission license amendment application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 Maine Revised Statutes Annotated (M.R.S.A.), §344 and §590, the Maine Department of Environmental Protection (Department) finds the following facts:

I. REGISTRATION

A. Introduction

George C. Hall & Sons, Inc. (GHS) was issued Air Emission License A-683-71-E-N on December 20, 2012, permitting the operation of emission sources associated with their crushed stone and gravel facility.

GHS has requested a minor revision to their license in order to replace their previous Cone Crusher with a like-kind replacement that has the same process rate, is powered by the same generator, and uses spray nozzles as a control device.

The equipment addressed in this license is located at 190 Pleasant Street, Rockland, Maine.

B. Emission Equipment

The following equipment is addressed in this air emission license:

Rock Crushers

<u>Designation</u>	<u>Powered</u>	<u>Process Rate (tons/hour)</u>	<u>Date of Manufacture</u>	<u>Control Device</u>
Cone Crusher	CATGen	170	2014	Spray Nozzles

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 04769
(207) 764-0477 FAX: (207) 760-3143

C. Application Classification

This amendment will not increase emissions of any pollutant; it is a like-kind replacement of previously licensed equipment. Therefore, this amendment is determined to be a minor revision and has been processed as such.

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 (as amended). Separate control requirement categories exist for new and existing equipment.

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

B. Rock Crushers

The Cone Crusher being added to this license is a portable unit which was manufactured in 2014 and has a rated capacity of 170 tons/hr. It is a like-kind replacement of their previous Cone Crusher that was manufactured in 1998.

1. BACT Findings

The regulated pollutant from the Cone Crusher is particulate matter emissions. To meet the requirements of BACT for control of particulate matter emissions from the Cone Crusher, GHS shall maintain water sprays on the Cone Crusher and operate as needed to control visible emissions. Visible emissions from the Cone Crusher shall be limited to no greater than 10% opacity on a six (6) minute block average basis.

2. New Source Performance Standards

The Cone Crusher is subject to EPA New Source Performance Standards (NSPS) 40 CFR Part 60, Subpart OOO for Nonmetallic Mineral Processing Plants manufactured after August 31, 1983, with capacities greater than 150 tons/hr for portable plants and greater than 25 tons/hr for non-portable plants based on the size and manufactured date of the crusher. The performance testing required by Subpart OOO for the Cone Crusher was successfully conducted on June 24, 2015.

George C. Hall & Sons, Inc.
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A-683-71-F-M

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

The Department hereby grants Air Emission License A-683-71-F-M subject to the conditions found in Air Emission License A-683-71-E-N 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

(23) Replacement Cone Crusher

- A. George C. Hall & Sons, Inc. may replace the previous Cone Crusher (1998 manufacture) with the newer, like-kind Cone Crusher (2014 manufacture).
- B. The new Cone Crusher shall comply with specific conditions 16, 19, and 20 of Air Emission License A-683-71-E-N.
- C. Once replaced, the 1998 Cone Crusher shall no longer be operated under the George C. Hall & Sons, Inc. air emission license.

DONE AND DATED IN AUGUSTA, MAINE THIS 8 DAY OF July, 2015.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: Maureen Allen Robert Curran for
PATRICIA W. AHO, COMMISSIONER

The term of this amendment shall be concurrent with the term of Air Emission License A-683-71-E-N.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 6/29/2015
Date of application acceptance: 6/29/2015

Date filed with the Board of Environmental Protection:

This Order prepared by Jonathan E. Rice, Bureau of Air Quality.

