



DEPARTMENT ORDER

**R. J. Grondin & Sons
Cumberland County
Scarborough, Maine
A-492-71-M-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 (M.R.S.) § 344 and § 590, the Maine Department of Environmental Protection (the Department) finds the following facts:

I. REGISTRATION

A. Introduction

R. J. Grondin & Sons (Grondin) was issued Air Emission License A-492-71-L-R/A on October 14, 2014, for the operation of emission sources associated with their crushed stone and gravel equipment typically located at one of the three following gravel pits or quarries:

- Brandy Brook Quarry located at 103 Ossipee Trail in Gorham, Maine;
- Larrabee Farm Pit located at Beech Ridge Road in Scarborough, Maine; or
- Windham Pit located at Route 302 in Windham, Maine.

Grondin has requested an after-the-fact minor revision to their license in order to do a like-kind replacement of rock crusher RC 3 Universal.

The main office is located at 11 Bartlett Road, Gorham, Maine.

B. Emission Equipment

The following equipment is addressed in this Air Emission License Amendment:

Rock Crusher

<u>Designation</u>	<u>Powered</u>	<u>Process Rate (tons/hour)</u>	<u>Date of Manufacture</u>	<u>Control Device</u>
RC 3 Pioneer	Generator Unit	150	2015	Water Sprays

Rock crusher RC 3 Universal has been removed from the site and is hereby removed from this air emission license.

C. Application Classification

All rules, regulations, or statutes referenced in this air emission license refer to the amended version in effect as of the issued date of this license.

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

II. BEST PRACTICAL TREATMENT

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 C.M.R. ch. 100. 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 06-096 C.M.R. ch. 100. BACT is a top-down approach to selecting air emission controls considering economic, environmental, and energy impacts.

B. Rock Crushers

Rock crusher RC 3 Pioneer is a portable unit which was manufactured in 2015 with a rated capacity of 150 tons/hr.

1. BACT/BPT Findings

The regulated pollutant from the RC 3 Pioneer is particulate matter emissions. To meet the requirements of BACT/BPT for control of particulate matter emissions from RC 3 Pioneer, Grondin shall maintain water sprays on RC 3 Pioneer and operate as needed to control visible emissions. Visible emissions from RC 3 Pioneer shall be limited to no greater than 10% opacity on a six-minute block average basis.

2. New Source Performance Standards

RC 3 Pioneer is not subject to EPA New Source Performance Standards (NSPS) *Standards of Performance for Nonmetallic Mineral Processing Plants*, 40 C.F.R. 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 crusher.

C. Annual Emissions

This amendment will not affect the facility's licensed annual emissions.

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 Amendment A-492-71-M-M, subject to the conditions found in Air Emission License A-492-71-L-R/A and the following conditions.

Severability. The invalidity or unenforceability of any provision of this License Amendment or part thereof shall not affect the remainder of the provision or any other provisions. This License Amendment 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 Specific Condition shall replace Specific Condition (16) of air emission license A-492-71-L-R/A (issued October 14, 2014):

(16) Rock Crushers

- A. Grondin shall install and maintain spray nozzles for particulate control on RC 1 Universal, RC 2 Nordberg, RC 3 Pioneer, RC 4 El Jay, and RC 5 Nordberg, and operate them as necessary to limit visible emissions to no greater than 10% opacity on a six-minute block average basis. [06-096 C.M.R. ch. 115, BACT/BPT and 06-096 C.M.R. ch. 101]
- B. Grondin shall maintain records detailing and quantifying the hours of operation on a daily basis for all of the rock crushers. The operation records shall be kept on-site at the rock crushing location. [06-096 C.M.R. ch. 115, BACT/BPT]
- C. Grondin shall maintain records detailing the maintenance on particulate matter control equipment (including spray nozzles). Grondin shall perform monthly inspections of any water sprays to ensure water is flowing to the correct

locations and initiate corrective action within 24 hours if water is found to not be flowing properly. Records of the date of each inspection and any corrective action required shall be included in the maintenance records. The maintenance records shall be kept on-site at the rock crushing location. [06-096 C.M.R. ch. 115, BACT/BPT and 40 C.F.R. § 60.674(b)]

D. The crushers shall not be attached or clamped via cable, chain, turnbuckle, bolt, or other means (except electrical connections) to any anchor, slab, or structure (including bedrock) that must be removed prior to transportation. [06-096 C.M.R. ch. 115, BACT/BPT and 40 C.F.R. § 60.670(c)(2)]

E. RC 1 Universal and RC 2 Nordberg are subject to 40 C.F.R. Part 60, Subparts A and OOO, and Grondin shall comply with the notification and recordkeeping requirements of 40 C.F.R. §§ 60.676 and 60.7, except for 40 C.F.R. § 60.7(a)(2) per 40 C.F.R. § 60.676(h). [40 C.F.R. §§ 60.676(b), (f), and (i)]

DONE AND DATED IN AUGUSTA, MAINE THIS 26 DAY OF January, 2017.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: Marc Allen Robert Cone for
PAUL MERCER, COMMISSIONER

The term of this amendment shall be concurrent with the term of Air Emission License A-492-71-L-R/A.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 8/31/2016

Date of application acceptance: 9/22/2016

Date filed with the Board of Environmental Protection:

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

