



DEPARTMENT ORDER

Pike Industries, Inc.
Kennebec County
Windsor, Maine
A-889-71-D-A

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 (Department) finds the following facts:

I. REGISTRATION

A. Introduction

Pike Industries, Inc. (Pike) was issued Air Emission License A-889-71-C-R on September 4, 2015, for the operation of emission sources associated with their portable crushed stone and gravel facility located at 321 Doyle Road, Windsor, Maine.

Pike has requested an amendment to their license in order to add a portable cone crusher to their license.

The main office is located at 95 Warren Avenue, Westbrook, 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</u> <u>(tons/hour)</u>	<u>Date of</u> <u>Manufacture</u>	<u>Control</u> <u>Device</u>
C618-2	G618-1	220	1999	Spray Nozzles

C. Application Classification

The modification of a minor source is considered a major or minor modification based on whether or not expected emissions increases exceed the "Significant Emissions" levels as defined in the Department's *Definitions Regulation*, 06-096 Code of Maine Rules (C.M.R.) ch. 100 (as amended). This amendment will not change the facility's licensed annual emissions; therefore, this

modification is determined to be a minor modification 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 (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 06-096 C.M.R. ch. 100 (as amended). BACT is a top-down approach to selecting air emission controls considering economic, environmental, and energy impacts.

B. Rock Crusher C618-2

Rock crusher C618-2 is a portable unit which was manufactured in 1999 with a rated capacity of 220 tons/hr. The unit was acquired by Pike in late 2015 and has been in Portsmouth, New Hampshire ever since Pike's acquisition. C618-2 will be powered by generator G618-1 when moved to Maine. Generator G618-1 is currently in Maine and was addressed in Air Emission License A-889-71-C-R (dated September 4, 2015).

1. BACT/BPT Findings

The regulated pollutant from rock crusher C618-2 is particulate matter emissions. To meet the requirements of BACT/BPT for control of particulate matter emissions from C618-2, Pike shall maintain water sprays on C618-2 and operate them as needed to control visible emissions. Visible emissions from C618-2 shall be limited to no greater than 10% opacity on a six-minute block average basis.

Pike shall also maintain records detailing and quantifying the hours of operation on a daily basis for C618-2. The operation records shall be kept on-site at the rock crushing location.

2. New Source Performance Standards

Because rock crusher C618-2 is portable, has a rated capacity greater than 150 tons/hour, and was manufactured after August 31, 1983,

rock crusher C618-2 is subject to the federal regulation New Source Performance Standards (NSPS) 40 Code of Federal Regulations (C.F.R.) Part 60, Subpart OOO, *Standards of Performance for Nonmetallic Mineral Processing Plants*. [40 C.F.R. § 60.670(c)]

Requirements of 40 C.F.R. Part 60, Subpart OOO:

a. Monitoring Requirements:

Pike shall maintain records detailing the maintenance on particulate matter control equipment including spray nozzles. Pike 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. [40 C.F.R. § 60.674(b)]

b. Testing Requirements:

- (1) Pike shall either have an initial performance test performed on C618-2 within 60 days of the unit's arrival in Maine per the applicable sections of 40 C.F.R. Part 60, Subpart OOO, § 60.675, or provide documentation to the Department that a successful initial performance test was previously performed. [06-096 C.M.R. ch. 115, BACT/BPT and 40 C.F.R. § 60.675(c)]
- (2) Each performance test shall be done using the methods set forth in 40 C.F.R. Part 60, Subpart OOO, § 60.675. [40 C.F.R. § 60.675(c) and 06-096 C.M.R. ch. 115, BACT/BPT]
- (3) Pike shall submit a test notice to the Department and the EPA at least seven days prior to conducting a performance test. [40 C.F.R. § 60.675(g) and 06-096 C.M.R. ch. 115, BACT/BPT]

c. Reporting and Recordkeeping Requirements:

C618-2 is subject to 40 C.F.R. Part 60, Subparts A and OOO, and Pike shall comply with the notification and recordkeeping requirements of 40 C.F.R. § 60.676 and § 60.7, except for Section (a)(2) of 40 C.F.R. § 60.7 per 40 C.F.R. § 60.676(h). [40 C.F.R. §§ 60.676(b), (f), and (i)]

C. Annual Emissions

This amendment will not change the facility's licensed annual emissions or greenhouse gas totals.

III. AMBIENT AIR QUALITY ANALYSIS

The level of ambient air quality impact modeling required for a minor source is determined by the Department on a case-by case basis. In accordance with 06-096 C.M.R. ch. 115, an ambient air quality impact analysis is not required for a minor source if the total licensed annual emissions of any pollutant released do not exceed the following levels and there are no extenuating circumstances:

Pollutant	Tons/Year
PM ₁₀	25
SO ₂	50
NO _x	50
CO	250

The total licensed annual emissions for the facility are below the emission levels contained in the table above and there are no extenuating circumstances; therefore, an ambient air quality impact analysis is not required as part of this license.

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-889-71-D-A, subject to the conditions found in Air Emission License A-889-71-C-R and the following condition.

Severability. The invalidity or unenforceability of any provision of this License or part thereof 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 Specific Condition shall be added to Air Emission License A-889-71-C-R (issued September 4, 2015):

(23) Rock Crusher C618-2

- A. Pike shall install and maintain spray nozzles for particulate control on C618-2 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. Pike shall maintain records detailing and quantifying the hours of operation on a daily basis for C618-2. The operation records shall be kept on-site at the rock crushing location. [06-096 C.M.R. ch. 115, BACT/BPT]
- C. Pike shall maintain records detailing the maintenance on particulate matter control equipment (including spray nozzles). Pike 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. Pike shall either have an initial performance test performed on C618-2 within 60 days of the unit's arrival in Maine per the applicable sections of 40 C.F.R. Part 60, Subpart OOO, § 60.675, or provide documentation to the Department that a successful initial performance test was previously performed. [06-096 C.M.R. ch. 115, BACT/BPT and 40 C.F.R. § 60.675(c)]
- E. Pike shall submit a test notice to the Department and the EPA at least seven days prior to conducting a performance test. [06-096 C.M.R. ch. 115, BACT/BPT and 40 C.F.R. § 60.675(g)]

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F. Rock crusher C618-2 is subject to 40 C.F.R. Part 60 Subparts A and OOO, and Pike shall comply with the notification and record keeping requirements of 40 C.F.R. § 60.676 and § 60.7, except for Section (a)(2) of 40 C.F.R. § 60.7 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 4 DAY OF October, 2016.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: Marc Allen Robert Core for
PAUL MERCER, COMMISSIONER

The term of this amendment shall be concurrent with the term of Air Emission License A-889-71-C-R.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 7/11/2016

Date of application acceptance: 7/14/2016

Date filed with the Board of Environmental Protection:

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

