



STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION



PAUL R. LEPAGE
GOVERNOR

PATRICIA W. AHO
COMMISSIONER

**Northern Maine Paving, Inc.
Aroostook County
Limestone, Maine
A-1053-71-C-M (SM)**

**Departmental
Findings of Fact and Order
Air Emission License
Amendment #2**

FINDINGS OF FACT

After review of the air emission license minor revision 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

Northern Maine Paving, Inc. (Northern Maine Paving) of Limestone, Maine was issued Air Emission License A-1053-71-A-N on May 20, 2011, permitting the operation of emission sources associated with their portable hot mix asphalt plant. The license was subsequently amended on April 26, 2012 (A-1053-71-B-A) to address the addition of a second portable drum mix asphalt plant and equipment.

Northern Maine Paving has requested a minor revision to their air emission license in order to remove Portable Drum Mix Asphalt Plant #1 and its associated equipment from the license since the equipment has been moved out of Maine. Portable Drum Mix Asphalt Plant #2 and its associated equipment shall continue to be licensed.

B. Emission Equipment

The following equipment is to be **removed** from the license:

Asphalt Plant

<u>Equipment</u>	<u>Process Rate (tons/hour)</u>	<u>Design Capacity Firing Rate</u>	<u>Control Device</u>	<u>Date of Manufacture</u>
Portable Drum Mix Asphalt Plant #1	400	125 MMBtu/hr, #2 fuel & waste oil	Baghouse	2011

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

Heating Equipment

<u>Equipment</u>	<u>Maximum Capacity</u>	<u>Fuel Type</u>	<u>Maximum Firing Rate</u>
Boiler #1 (Asphalt tank heater)	1.5 MMBtu/hr	#2 fuel oil	12 gal/hr

Portable Generator Units

<u>Source ID</u>	<u>Max. Capacity</u>	<u>Max. Firing Rate</u>	<u>Fuel Type</u>
Generator #1 (910 kW)	9.82 MMBtu/hr	71.7 gal/hr	diesel fuel, 0.0015% sulfur
Generator #2 (60 kW)	0.36 MMBtu/hr	2.6 gal/hr	diesel fuel, 0.0015% sulfur

C. Application Classification

This amendment does not include any changes except the removal of equipment from the license. As a result of the equipment removal, the facility's licensed emissions will be decreasing. Therefore, this modification is determined to be a minor revision and has been processed as such through *Major and Minor Source Air Emission License Regulations*, 06-096 CMR 115 (as amended).

II. MINOR REVISION DESCRIPTION

A. Equipment Removal

Northern Maine Paving has been licensed to operate two portable asphalt plants, with associated boilers and generators. The facility has requested that Portable Drum Mix Asphalt Plant #1, Boiler #1, and Generator Units #1 and #2, originally licensed in 1053-71-A-N, be deleted from the license since these units have been physically moved out of the State and the facility does not have plans to operate them in Maine. The Portable Drum Mix Asphalt Plant #2, Boiler #2, and Generators #3 and #4 shall remain on Northern Maine Paving's air emission license.

The Department approves removing Portable Drum Mix Asphalt Plant #1 and associated equipment from the air emission license. Northern Maine Paving shall not operate any of the removed equipment without re-applying for, and obtaining, an air emission license amendment.

With the removal of this equipment from the license, Northern Maine Paving will be below the reporting thresholds of *Emission Statements*, 06-096 CMR 137, as amended.

B. Facility Emissions

1. Northern Maine Paving shall be restricted to the following annual emissions, on a 12 month rolling total, based on the fuel limits of 200,000 gal/yr of #2 fuel oil/waste oil for Portable Drum Mix Asphalt Plant #2 and Boiler #2, and 40,000 gal/yr total of diesel oil for Generators #3 and #4.

Total Licensed Annual Emissions for the Facility (tons/year)
(used to calculate the annual license fee)

	PM	PM ₁₀	SO ₂	NO _x	CO	VOC
Asphalt Plant #2 & Boiler #2	2.03	2.03	7.05	2.26	5.35	1.32
Generators #3 and #4	0.85	0.85	0.004	12.08	2.60	0.99
Total TPY	2.88	2.88	7.05	14.34	7.95	2.31

2. Greenhouse Gases

Greenhouse gases are considered regulated pollutants as of January 2, 2011 through 'Tailoring' revisions made to EPA's *Approval and Promulgation of Implementation Plans*, 40 CFR Part 52, Subpart A, §52.21 Prevention of Significant Deterioration of Air Quality rule. "Greenhouse gases" as defined in 06-096 CMR 100 (as amended) means the aggregate group of the following gases: Carbon dioxide, nitrous oxide, methane, hydrofluorocarbons, perfluorocarbons, and sulfur hexafluoride. Greenhouse gases (GHG) for purposes of licensing are calculated and reported as carbon dioxide equivalents (CO₂e).

Based on the facility's fuel use limit(s), the worst case emission factors from AP-42, IPCC (Intergovernmental Panel on Climate Change), and *Mandatory Greenhouse Gas Reporting*, 40 CFR Part 98, and the global warming potentials contained in 40 CFR Part 98, Northern Maine Paving is below the major source threshold of 100,000 tons of CO₂e per year. Therefore, no additional licensing requirements are needed to address GHG emissions at this time.

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.

Northern Maine Paving, Inc.
Aroostook County
Limestone, Maine
A-1053-71-C-M (SM)

4

Departmental
Findings of Fact and Order
Air Emission License
Amendment #2

The Department hereby grants Air Emission License A-1053-71-C-M, subject to the conditions found in Air Emission A-1053-71-A-N, amendment A-1053-71-B-A, 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

Condition (16) shall be deleted from A-1053-71-A-N (removing the 400 tons/hr Portable Drum Mix Asphalt Plant #1 from the license).

Condition (17) shall be deleted from A-1053-71-A-N (removing the 1.5 MMBtu/hr Boiler #1 from the license).

Condition (18) shall be deleted from A-1053-71-A-N (removing the 9.82 MMBtu/hr and 0.36 MMBtu/hr Generators #1 and #2 from the license).

Condition (26) shall be deleted from A-1053-71-B-A (removing the requirement to submit an annual emission statement per 06-096 CMR 137).

DONE AND DATED IN AUGUSTA, MAINE THIS 4 DAY OF June, 2014.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: Marc Allen Robert Cone for
PATRICIA W. AHO, COMMISSIONER

The term of this amendment shall be concurrent with the term of Air Emission License A-1053-71-A-N

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: May 7, 2014

Date of application acceptance: May 19, 2014

Date filed with the Board of Environmental Protection:

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

