



STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION



PAUL R. LEPAGE
GOVERNOR

PATRICIA W. AHO
COMMISSIONER

**Waste Management Disposal
Services of Maine, Inc.
d/b/a Crossroads Landfill
Somerset County
Norridgewock, Maine
A-816-77-3-M**

**Departmental
Findings of Fact and Order
New Source Review
NSR #3**

FINDINGS OF FACT

After review of the air emissions 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.), Section 344 and Section 590, the Maine Department of Environmental Protection (Department) finds the following facts:

I. REGISTRATION

A. Introduction

FACILITY	Waste Management Disposal Services of Maine, Inc. (WMDSM) d/b/a Crossroads Landfill
LICENSE TYPE	06-096 CMR 115, Minor Modification
NAICS CODES	562212
NATURE OF BUSINESS	Solid Waste Landfill
FACILITY LOCATION	357 Mercer Rd, Norridgewock, Maine

B. Revision Description

WMDSM's New Source Review (NSR) Amendment #2 (A-816-77-2-A) includes a requirement for WMDSM to test landfill gas for total reduced sulfur (TRS) compounds. The frequency of the testing decreases if the test results are below certain thresholds. WMDSM has requested clarification that, should the levels of TRS in the gas increase, the frequency of testing will increase in a similar manner.

The TRS testing frequency decreases according to the following schedule:

WMDSM shall sample the TRS concentration of the landfill gas monthly. The frequency of TRS sampling shall be reduced to once quarterly if the results of the monthly sampling are less than 1,000 ppm for 12 consecutive monthly monitoring

events, and to once annually if the results of quarterly sampling are less than 500 ppm for four (4) consecutive quarterly monitoring events.

The TRS testing frequency shall increase according to the following schedule:

If the frequency of sampling the landfill gas for TRS is reduced to annually and the results of two (2) consecutive sampling events exceed 500 ppm, WMDSM shall increase the sampling frequency to quarterly. If the frequency of sampling the landfill gas for TRS is reduced to less than monthly (quarterly or annually) and the results of two (2) consecutive sampling events exceeds 1,000 ppm, WMDSM shall increase the sampling frequency to monthly.

If the frequency of sampling the landfill gas for TRS is increased, it may be subsequently decreased according to the schedule established above.

C. Application Classification

The application submitted by WMDSM does not violate any applicable federal or state requirements, does not reduce monitoring, reporting, testing or record keeping, and does not seek to modify a Best Available Control Technology (BACT) analysis.

The proposed revision will not change the facility's emission limits. Therefore, the amendment is determined to be a minor revision under *Minor and Major Source Air Emission License Regulations* 06-096 Code of Maine Rules (CMR) 115 (as amended). The procedures found in 06-096 CMR 115 (as amended) can be utilized to process this application since the proposed revision is not prohibited by the Part 70 air emission license. This minor revision shall be incorporated into the Part 70 air emission license renewal currently in process.

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ORDER

The Department hereby grants Air Emission License Minor Revision A-816-77-3-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

The following shall replace Condition (5) of Air Emission License A-816-77-2-A:

(5) Monitoring Requirements

The following are identified as Periodic Monitors [06-096 CMR 115, BACT]:

- A. Maintenance performed on each engine (including coalescing filters);
- B. Monthly operating time for each engine;
- C. Monthly gas flow to the flares;
- D. Monthly gas flow to the engines;
- E. Purchase records for the auxiliary propane for the flares indicating quantity of propane purchased;
- F. Sampling of the TRS concentration of the landfill gas according to the established schedule.

The following are New Conditions:

(1) TRS Sampling Frequency

- A. WMDSM shall sample the TRS concentration of the landfill gas monthly. The frequency of TRS sampling shall be reduced to once quarterly if the results of the monthly sampling are less than 1,000 ppm for 12 consecutive monthly monitoring events, and to once annually if the results of quarterly sampling are less than 500 ppm for four (4) consecutive quarterly monitoring events.
- B. If the frequency of sampling the landfill gas for TRS is reduced to annually and the results of two (2) consecutive sampling events exceed 500 ppm, WMDSM shall increase the sampling frequency to quarterly. If the frequency of sampling the landfill gas for TRS is reduced to less than monthly (quarterly

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or annually) and the results of two (2) consecutive sampling events exceeds 1,000 ppm, WMDSM shall increase the sampling frequency to monthly.

- C. If the frequency of sampling the landfill gas for TRS is increased, it may be subsequently decreased according to the schedule established above.

[06-096 CMR 115, BACT]

DONE AND DATED IN AUGUSTA, MAINE THIS 9 DAY OF May, 2014.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: Maia Allen Robert Case for
PATRICIA W. AHO, COMMISSIONER

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 4/8/14

Date of application acceptance: 4/8/14

Date filed with the Board of Environmental Protection:

This Order prepared by Lynn Poland, Bureau of Air Quality.

