



DEPARTMENT ORDER

Pineland Farms Potato Company, Inc.
Aroostook County
Mars Hill, Maine
A-911-71-I-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 (Department) finds the following facts:

I. REGISTRATION

A. Introduction

Pineland Farms Potato Company, Inc. (Pineland) was issued Air Emission License A-911-71-H-R/M on March 31, 2017, for the operation of emission sources associated with their potato processing facility.

The equipment addressed in this license amendment is located at 115 Presque Isle Rd, Mars Hill, Maine.

Pineland has requested a minor revision to their license in order to remove Peeler #1 and its single stack for process lines #1 and #2 and replace them with an individual peeler and stacks for each process line.

B. Emission Equipment

The following equipment is addressed in this air emission license amendment:

Process Equipment

Equipment	Production Rate	Pollution Control Equipment	Stack #
Peeler #3	25,400 lb/hr	Cyclone Separator	3
Peeler #4	25,400 lb/hr	Cyclone Separator	4
<i>Peeler #1*</i>	<i>80,000 lb/hr</i>	<i>Water Sprays</i>	<i>1</i>

* This equipment will be removed.

C. Application Classification

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

This amendment will not increase licensed emissions of any pollutant. 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 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 *Definitions Regulation*, 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. Peelers

Pineland will be removing Peeler #1 which has historically fed peeled potatoes to production lines #1 and #2 for further processing. Peeler #1 has reached the end of its service life; therefore, Pineland has elected to replace it with two smaller steam peelers designated as Peelers #3 and #4 with rated throughput capacities of 25,400 lb/hr each. Previously, Peeler #1 had vented through Stack #1 and been equipped with water sprays to condense steam venting from the peeler and to control PM emissions from this exhaust. Peelers #3 and #4 will each vent through individual stacks designated as Stacks #3 and #4 which are each 16 inches in diameter and release at an elevation of 40 feet above ground level.

As detailed in AP-42, Section 9.8.1, there are no viable estimates of emissions of PM from the steam peeling process. Therefore, the emissions are considered unquantifiable. Similar to Peeler #2 which was installed in 2017, BACT for the control of PM emissions shall be the installation of cyclone separators in the exhaust of both Peelers #3 and #4 and a visible emission limit of 20% opacity on a six-minute block average basis from each exhaust point.

In addition to the requirements for cyclone separators to be installed on Peelers #3 and #4, the requirement for a cyclone separator to be installed on Peeler #2 will be included in the order of this license, as it was not previously addressed in the order section of Air Emission License A-911-71-H-R/M.

C. Annual Emissions

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

The Department hereby grants Air Emission License Amendment A-911-71-I-M subject to the conditions found in Air Emission License A-911-71-H-R/M 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 shall replace Specific Condition (17) of Air Emission License A-911-71-H-R/M.

(17) **Peelers**

- A. Pineland shall operate and maintain cyclone separators on Peelers #2, #3, and #4.
[06-096 C.M.R. ch. 115, BACT]
- B. Visible emissions from the exhausts of Peelers #2, #3, and #4 shall each not exceed 20% opacity on a six-minute block average basis. [06-096 C.M.R. ch. 115, BACT]

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The following is a new Specific Condition of Air Emission License A-911-71-H-R/M.

- (21) If the Department determines that any parameter value pertaining to construction and operation of the proposed emissions units, including but not limited to stack size, configuration, flow rate, emission rates, nearby structures, etc., deviates from what was submitted in the application or ambient air quality impact analysis for this air emission license, Pineland may be required to submit additional information. Upon written request from the Department, Pineland shall provide information necessary to demonstrate AAQS will not be exceeded, potentially including submission of an ambient air quality impact analysis or an application to amend this air emission license to resolve any deficiencies and ensure compliance with AAQS. Submission of this information is due within 60 days of the Department's written request unless otherwise stated in the Department's letter.
[06-096 C.M.R. ch. 115, § 2(O)]

DONE AND DATED IN AUGUSTA, MAINE THIS 17th DAY OF JULY, 2023.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY:  for
MELANIE LOYZIM, COMMISSIONER

The term of this amendment shall be concurrent with the term of Air Emission License A-911-71-H-R/M.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 5/17/23

Date of application acceptance: 5/23/23

Date filed with the Board of Environmental Protection:

This Order prepared by Chris Ham, Bureau of Air Quality.

