



STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION
17 STATE HOUSE STATION | AUGUSTA, MAINE 04333-0017
DEPARTMENT ORDER

Danisco USA Inc.
Knox County
Rockland, Maine
A-366-70-O-A

Departmental
Findings of Fact and Order
Part 70 Air Emission License
Amendment # 2

Findings of Fact

After review of the Part 70 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

Facility	Danisco USA Inc. (Danisco)
License Type	Part 70 Significant License Modification
NAICS Codes	311999, 325412
Nature of Business	Refined Hydrocolloid Products
Facility Location	Crocketts Point, Rockland

This license completes the processing of the application with submission number 603160 as assigned by the Department (accepted 03/30/2026).

Danisco is a manufacturer of carrageenan, clarified locust bean gum, and other hydrocolloids used mostly as food additives. Danisco also manufactures agarose for use in molecular biology.

New Source Review (NSR) license A-366-77-10-A (NSR #10), issued July 1, 2026, addressed the addition of the Bulk Salt Unloading System. Danisco has requested that the provisions of this NSR license be incorporated into their Part 70 license. The Department is also addressing in this license amendment any additional applicable requirements associated with the addition of the Bulk Salt Unloading System.

B. Emission Equipment

The following emission units are addressed by this Part 70 License Amendment:

Process Equipment

Equipment	Production Rate	Pollution Control Equipment	Stack #
Bulk Salt Unloading System	200,000 lb/year	Cartridge Filters	15-3

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.

A Part 70 Minor License Modification is for a license change that meets the following criteria:

- Does not violate any Applicable requirement;
- Does not involve a significant change to existing monitoring, reporting, or recordkeeping requirements in the license;
- Does not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient impact or a visibility or increment analysis;
- Does not seek to establish or change a Part 70 license term or condition for which there is no corresponding underlying Applicable requirement, and that the source has assumed to avoid an Applicable requirement to which the source would otherwise be subject. Such terms and conditions include a federally enforceable emissions cap assumed to avoid classification as a Title I modification or a modification or reconstruction under any provision of Section 111, or 112 of the Clean Air Act (CAA); and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the CAA;
- Is not a Title I modification or a modification or reconstruction under any provision of Section 111 or 112 of the CAA; and
- Is not required by the Department to be processed under Part 70 Significant License Modification procedures.

Danisco has requested incorporation into the Part 70 Air License the relevant terms and conditions of the New Source Review (NSR) licenses issued to Danisco pursuant to *Major and Minor Source Air Emission License Regulations*, 06-096 C.M.R. ch. 115, including A-366-77-10-A issued July 1, 2026.

The incorporation of minor modification NSR licenses into a Part 70 license is not considered a Part 70 Significant License Modification provided the minor modification NSR license involved only new equipment or the addition of new requirements (i.e. does not modify previously existing requirements). This request is not a Part 70 Significant License Modification.

A minor modification NSR license is not a Title I modification. The facility is not proposing substantial changes to existing monitoring and testing requirements, nor is it proposing the relaxation of existing license conditions.

Therefore, the facility's request to incorporate NSR requirements is classified as a Part 70 Minor License Modification and has been processed under *Part 70 Air Emission License Regulations*, 06-096 Code of Maine Rules (C.M.R.) ch. 140.

II. Best Practical Treatment (BPT) and Emission Standards

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 as well as for those sources located in designated non-attainment areas.

BPT for new sources and modifications is based on the demonstration contained in the underlying NSR license 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. BACT for the Bulk Salt Unloading System was addressed in A-366-77-10-A (July 1, 2026) and explained in further detail below.

B. Bulk Salt Unloading System

Danisco operates a bulk food-grade salt unloading system, addressed in NSR license A-366-77-10-A (July 1, 2026), in Building 15 with installation expected to take place in mid-2026. The system unloads bulk food grade salt pneumatically through enclosed piping via the delivery truck's blower. The salt discharges from the truck into a receiving hopper and where it is used further in the facility processes. The majority of the transported salt falls out of suspension into the hopper, with a small amount being carried along with the exhaust air. The exhaust air then passes through a dust collection system consisting of 4 cartridge filters in series. The filters are periodically cleaned by

compressed air pulses similar to a pulsed-jet baghouse. The filters have a total area of 200 sq/ft of media. Emissions through the filters when maintained properly are not expected to exceed 0.010 grains per dry standard cubic foot based on PM_{2.5} testing from the manufacturer. The salt blown off the cartridges drops into the receiving hopper, and the filtered air exhausts outside to atmosphere. A broken bag detector is installed in the exhaust discharge piping and wired into the distributed control system and alarm notification panel. Anticipated salt throughput through the proposed unit is projected at ~200,000 lbs/year. Emissions are considered unquantifiable upon exhaust from the cartridge filter exhaust controls.

1. Control Equipment

From the BACT analysis for the new system, it was determined that The Bulk Salt Unloading System shall be equipped with a cartridge filter system with a collection efficiency of 99% or greater.

2. Emissions

The Department considers the emissions from this process to be unquantifiable.

3. Visible Emissions

Visible emissions from the Bulk Salt Unloading System shall not exceed 10% on a six-minute block average basis. The Bulk Salt Unloading System shall be maintained so as to prevent fugitive visible emissions.

4. Additional BACT Requirements

- a. The Bulk Salt Unloading System is licensed to convey salt only.
[A-366-77-10-A (July 1, 2026), BACT]
- b. The cartridge filter system shall be equipped with a filter leak detection and alarm system. [A-366-77-10-A (Issue Date), BACT]
- c. Danisco shall operate all equipment associated with the Bulk Salt Unloading System according to its manufacturers' written instructions or Danisco's written operating procedures. A copy of those instructions or procedures shall be provided to the Department upon request.
[A-366-77-10-A (July 1, 2026), BACT]

C. Facility 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 emissions from this source:

- will receive Best Practical Treatment;
- will not violate applicable emissions standards; and
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants the Part 70 License Amendment A-366-70-O-A pursuant to 06-096 C.M.R. 140 and the preconstruction permitting requirements of *Major and Minor Source Air Emission License Regulations*, 06-096 C.M.R. ch. 115 and subject to the conditions found in Air Emission License A-366-70-K-R, in amendments A-366-70-M-T and A-366-70-N-A, and the following conditions.

Federally enforceable conditions in this Part 70 license must be changed pursuant to the applicable requirements in 06-096 C.M.R. ch. 115 for making such changes and pursuant to the applicable requirements in 06-096 C.M.R. ch. 140.

For each specific condition which is state enforceable only, state-only enforceability is designated with the following statement: **Enforceable by State-only**.

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 is a new condition of Air Emission License A-366-70-K-R.

(30) Bulk Salt Unloading System

- A. The Bulk Salt Unloading System is licensed to convey salt only.
[A-366-77-10-A (July 1, 2026), BACT]
- B. The Bulk Salt Unloading System shall be equipped with a cartridge filter system with a collection efficiency of 99% or greater.
[A-366-77-10-A (July 1, 2026), BACT]

- C. The cartridge filter system shall be equipped with a filter leak detection and alarm system. [A-366-77-10-A (July 1, 2026), BACT]
- D. Danisco shall operate all equipment associated with the Bulk Salt Unloading System according to its manufacturers' written instructions or Danisco's written operating procedures. A copy of those instructions or procedures shall be provided to the Department upon request.
[A-366-77-10-A (July 1, 2026), BACT]
- E. Danisco shall maintain the Bulk Salt Unloading System so as to prevent all fugitive emissions. [A-366-77-10-A (July 1, 2026), BACT]
- F. Visible emissions from the Bulk Salt Unloading System shall not exceed 10% on a six-minute block average basis. [A-366-77-10-A (July 1, 2026), BACT]

Done and Dated in Augusta, Maine this 1st day of SEPTEMBER, 2026.

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-366-70-K-R.

Please note attached sheet for guidance on appeal procedures.

Date of initial receipt of application: 3/24/26

Date of application acceptance: 3/30/26

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