



DEPARTMENT ORDER

**Texas Instruments Incorporated
Cumberland County
South Portland, Maine
A-698-71-AA-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

Texas Instruments Incorporated (TI) was issued Air Emission License A-698-71-Z-R/A on January 8, 2020, for the operation of emission sources associated with their semiconductor manufacturing facility.

TI has requested a minor revision to their license in order to add a parallel acidic wet scrubber.

The equipment addressed in this license amendment is located at 5 Foden Rd, South Portland, Maine.

B. Emission Equipment

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

Control Equipment

Equipment	Estimated Date of Installation	Pollution Control Equipment	Stack #
SEF 4-10 (Acid Exhaust)	2023	Wet Scrubber SC10	4-10

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.

D. Facility Classification

With the annual fuel limit on the boilers, the operating hours restriction on the emergency generators, and the facility wide annual VOC Limit, the facility is licensed as follows:

- As a synthetic minor source of air emissions for CO, NO_x, and VOC, because TI is subject to license restrictions that keep facility emissions below major source thresholds for criteria pollutants; and
- As an area source of hazardous air pollutants (HAP), because the licensed emissions are below the major source thresholds for HAP.

Emissions of CO are licensed above 80% of the major source threshold. Therefore, this facility is classified as an “80% Synthetic Minor” for the purpose of determining the minimum required compliance inspection frequency in accordance with Maine’s Compliance Monitoring Strategy.

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.

Because TI has established that BPT is being met with the existing wet scrubbers, this additional parallel unit also meets BPT by following the existing standards as established in Air Emission License A-698-71-Z-R/A. It is being addressed in this minor revision for completeness purposes only.

B. Wet Scrubber SEF 4-10

The acidic exhaust from the various production areas located at TI are collected and fed into a common header which the exhaust is then controlled by wet scrubbers SEF 4-1, 4-2, 4-3, 4-4, and 4-5 which run in parallel. TI will be adding SEF 4-10 as a parallel unit to the above listed wet scrubbers, and it will be utilized in the same operational manner as wet scrubbers SEF 4-1, 4-2, 4-3, 4-4, and 4-5.

Wet scrubber SEF 4-10 shall be subject to the same monitoring and operational requirements as wet scrubbers SEF 4-1, 4-2, 4-3, 4-4, and 4-5, which were addressed in Air Emission License A-698-71-Z-R/A, issued January 8, 2020.

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-698-71-AA-M subject to the conditions found in Air Emission License A-698-71-Z-R/A.

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.

This Amendment will not change any Specific Conditions of Air Emission License A-698-71-Z-R/A.

DONE AND DATED IN AUGUSTA, MAINE THIS 13th DAY OF FEBRUARY, 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-698-71-Z-R/A.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 1/12/23
Date of application acceptance: 1/13/23

Date filed with the Board of Environmental Protection:

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

FILED
FEB 13, 2023
State of Maine
Board of Environmental Protection