



DEPARTMENT ORDER

**Fairchild Semiconductor Corporation
d/b/a ON Semiconductor
Cumberland County
South Portland, Maine
A-370-71-AB-M**

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

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

Fairchild Semiconductor Corporation d/b/a ON Semiconductor (Fairchild) was issued Air Emission License A-370-71-Z-R/A on November 4, 2017, for the operation of emission sources associated with their semiconductor manufacturing facility. The license was subsequently amended on October 13, 2020 (A-370-71-AA-A).

Fairchild has requested a minor revision to their license in order to correct the requirements of 40 C.F.R. Part 60, Subpart Dc that are applicable to Boilers 3 and 4.

The equipment addressed in this license amendment is located at 333 Western Avenue, South Portland, Maine.

B. Emission Equipment

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

Boilers

Equipment	Max. Capacity (MMBtu/hr)	Maximum Firing Rate	Fuel Type, % sulfur	Date of Manuf.	Date of Install.	Stack #
Boiler 3	14.0	14,002 scf/hr	natural gas, neg.	2014	2014	2
Boiler 4	14.0	14,002 scf/hr	natural gas, neg.	2014	2014	2

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 maximum emission limits for PM, PM₁₀, SO₂, NO_x, CO, and VOC, the facility is licensed as follows:

- As a synthetic minor source of air emissions for PM, PM₁₀, SO₂, NO_x, CO, and VOC because Fairchild 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 PM, PM₁₀, SO₂, NO_x, CO, and VOC 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.

BPT for existing emissions equipment means that method which controls or reduces emissions to the lowest possible level considering:

- the existing state of technology;
- the effectiveness of available alternatives for reducing emissions from the source being considered; and
- the economic feasibility for the type of establishment involved.

B. Boilers 3 and 4

Fairchild operates Boilers 3 and 4 for facility heat. The boilers are rated at 14.0 MMBtu/hr each and fire natural gas. The boilers were installed in 2014.

Fairchild has requested that the 40 C.F.R. Part 60, Subpart Dc semi-annual reporting requirement that was included in Air Emission License A-370-71-Z-R/A (November 4, 2014) be removed, as it does not apply to Boilers 3 and 4. In a letter to the Department dated May 11, 2020, the EPA confirmed that the semi-annual reporting requirements as found in 40 C.F.R. § 60.48c(d) do not apply to boilers that fire exclusively natural gas. This requirement is hereby removed in this license amendment.

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-370-71-AB-M subject to the conditions found in Air Emission License A-370-71-Z-R/A, in amendment A-370-71-AA-A, 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.

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SPECIFIC CONDITIONS

The following shall replace Specific Condition (16)(E) of Air Emission License A-370-71-Z-R/A (November 4, 2014)

(16) Existing Boilers 1 and 2 and Replacement Boilers 3 and 4

E. 40 C.F.R. Part 60, Subpart Dc, *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units*

Fairchild shall comply with all requirements of 40 C.F.R. Part 60, Subpart Dc applicable to Boilers 3 and 4 including, but not limited to, the following:

1. Fairchild shall submit notification to EPA and the Department of the date of construction, anticipated start-up, and actual start-up. This notification shall include the design heat input capacity of the boiler and the type of fuel to be combusted. [40 C.F.R. § 60.48c(a)]
2. Fairchild shall record and maintain records of the amounts of fuel combusted monthly. [40 C.F.R. § 60.48c(g)]

DONE AND DATED IN AUGUSTA, MAINE THIS 10th DAY OF MARCH, 2022.

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-370-71-Z-R/A.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 2/7/2022

Date of application acceptance: 2/9/2022

Date filed with the Board of Environmental Protection:

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

FILED
MAR 10, 2022
State of Maine
Board of Environmental Protection