



DEPARTMENT ORDER

**IDEXX Laboratories, Inc.  
Cumberland County  
Westbrook, Maine  
A-572-71-L-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

IDEXX Laboratories, Inc. (IDEXX) was issued Air Emission License A-572-71-J-R on May 22, 2015, for the operation of emission sources associated with their diagnostic test kit manufacturing facility. The license was subsequently amended on December 28, 2017 (A-572-71-K-A) to add a low-pressure fire tube boiler to their license.

The equipment addressed in this license amendment is located at One IDEXX Drive, Westbrook, Maine.

IDEXX has requested a minor revision to their license in order to replace the Dust Collection System which exhausts within the interior of the workspace with a new unit that will be located outside the building and will exhaust to the exterior.

B. Emission Equipment

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

**Process Equipment**

<b>Equipment</b>	<b>Pollution Control Equipment</b>	<b>Stack #</b>
Dust Collector System	Cartridge Filter	15

C. Definitions

Records or Logs mean either hardcopy or electronic records.

D. 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.

E. Facility Classification

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

- As a synthetic minor source of air emissions for criteria pollutants, because IDEXX is subject to license restrictions that keep facility emissions below major source thresholds for NO<sub>x</sub> and CO; and
- As an area source of hazardous air pollutants (HAP), because the licensed emissions are below the major source thresholds for HAP.

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 Code of Maine Rules (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. Dust Collector System

IDEXX operates a Dust Collector System to control Particulate Matter (PM) emissions within its workspace. The existing Dust Collector System exhausts air within the interior of the workspace. IDEXX proposes to replace this Dust Collector System with a new unit, the Farr Dust Collection System. This Dust Collector System will be placed outside the building and will exhaust the air in the workspace externally through its own stack. The Dust Collector System shall meet the following conditions:

1. The Dust Collector System shall be equipped with cartridge filters with a design PM control efficiency of 99.9%.

2. The Dust Collector System shall be operated and maintained per the original equipment manufacturer's specifications. IDEXX shall maintain a copy of the manufacturer's specifications and make them available to the Department upon request.
3. Visible emissions from the Dust Collector System shall not exceed 10% opacity on a six-minute block average basis. [06-096 C.M.R. ch. 115, BACT]
4. IDEXX shall maintain records of inspections and maintenance of the Dust Collector System, as well as cartridge filter failures and replacements.

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-572-71-L-M subject to the conditions found in Air Emission License A-572-71-J-R, in amendment A-572-71-K-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.

**SPECIFIC CONDITIONS**

**The following are new conditions:**

**(19) Dust Collector System**

- A. The Dust Collector System shall be equipped with cartridge filters with a design PM control efficiency of 99.9%. [06-096 C.M.R. ch. 115, BACT]
- B. The Dust Collector System shall be operated and maintained per the original equipment manufacturer's specifications. IDEXX shall maintain a copy of the manufacturer's

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specifications and make them available to the Department upon request.  
[06-096 C.M.R. ch. 115, BACT]

- C. Visible emissions from the Dust Collector System shall not exceed 10% opacity on a six-minute block average basis. [06-096 C.M.R. ch. 115, BACT]
- D. IDEXX shall maintain records of inspections and maintenance of the Dust Collector System, as well as cartridge filter failures and replacements. [06-096 C.M.R. ch. 115, BACT]
- (20) If the Department determines that any parameter value pertaining to construction and operation of the 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, IDEXX may be required to submit additional information. Upon written request from the Department, IDEXX 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 14<sup>th</sup> DAY OF NOVEMBER, 2023.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY:  for  
MELANIE LOYZIM, COMMISSIONER

**The term of this license amendment shall be ten (10) years from the issuance of Air Emission License A-572-71-J-R (issued 05/22/2015).**

[Note: If a renewal application, determined as complete by the Department, is submitted prior to expiration of this license, then pursuant to Title 5 M.R.S. § 10002, all terms and conditions of the license shall remain in effect until the Department takes final action on the license renewal application.]

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: October 12, 2023

Date of application acceptance: October 16, 2023

Date filed with the Board of Environmental Protection:

This Order prepared by Kendra Nash, Bureau of Air Quality.

