

THERMO FISHER SCIENTIFIC

FACT SHEET - December 31, 2020

Who Is Thermo Fisher Scientific:

Thermo Fisher Scientific (Thermo Fisher) is an American supplier of scientific instrumentation, reagents and consumables, and software and services to healthcare, life science, and other laboratories in academia, government, and industry.

Thermo Fisher owns and operates a manufacturing facility that makes analytical components, such as chromatography media, that are used in research and development of pharmaceutical and life science applications. The chromatography beads are formed, treated through a series of washes to remove impurities, and then dried before shipment to the customer.

Thermo Fisher currently operate a facility in Bedford Massachusetts. Thermo Fisher is experiencing high demand for its pharmaceutical products. This demand was compounded by the pharmaceutical industries' need to respond to the Coronavirus disease 2019 (COVID-19) pandemic. To meet this demand, Thermo Fisher has expanded capacity at its Bedford facility and is building a new manufacturing facility in Chelmsford.

Thermo Fisher manufactures the chromatography beads needed to extract and purify medicinal products.

What services and products they provide:

As an international supplier, Thermo Fisher develops and manufactures a wide variety of products used in healthcare, life science, and other laboratories in academia, government, and industry. A sampling of these products and services include:

- For the Life Sciences: Antibodies, Cell culture, Protein biology, Stem Cell Research,
- For Industrial and Applied Sciences: Animal health, Biotech company solutions, Chromatography,
- For Clinical and Diagnostics: Allergy diagnostics, Cancer research, Diagnostic testing, Precision medicine.

Compliance History:

Thermo Fisher's POROS Chromatography bead operations started in Bedford in 2002. Additional expansion of the Bedford facility occurred in 2014, 2018 and 2020.

In November 2020, Thermo Fisher - Bedford received its current air plan approval for further expansion to meet current customer demand.

Thermo Fisher is periodically audited and inspected by MassDEP to ensure hazardous waste is handled and disposed of in compliance with State and Federal rules and regulations. The Bedford facility is a large generator of hazardous waste, but not a major source of air emissions.

Thermo Fisher also participates in the OSHA's Voluntary Protection Program

Current and Proposed Operations:

Thermo Fisher is currently implementing the approved expansion project in Bedford, MA. The Bedford facility continues to produce chromatography beads needed in the processes used to manufacture medicines.

To meet future expansion plans, which have been amplified by the urgency in responding to the COVID-19 pandemic, Thermo Fisher is building a new facility in Chelmsford, MA.

The new facility in Chelmsford will make the same chromatography beads as those made in Bedford.

Thermo Fisher submitted an air plan application for the new Chelmsford facility that will utilize Best Available Control Technology and will employ state of the art spill control and prevention.

Public Participation:

MassDEP is reviewing the Permit Application from Thermo Fisher and will consider public input in that process. Upon completion of the technical review of the proposed project, MassDEP will issue a proposed decision for 30 day public comment.

Any questions or comments pertaining to the Thermo Fisher proposed permit should be directed to Edward J. Braczyk, Permit Chief, Bureau of Air and Waste at Edward.Braczyk@mass.gov