



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, ILLINOIS 60604**

AUG 30 2019

DATE:

SUBJECT: CLEAN AIR ACT INSPECTION REPORT
INEOS Styrolution America LLC (INEOS), Channahon, Illinois

FROM: Albana Bega, Environmental Engineer
AECAB (MI/WI)

THRU: Sarah Marshall, Section Chief
AECAB (MI/WI)

TO: File

BASIC INFORMATION

Facility Name: INEOS Styrolution America LLC (INEOS)

Facility Location: 25846 SW Frontage Road, Channahon, Illinois

Date of Inspection: July 17, 2019

EPA Inspector(s):

1. Albana Bega, Environmental Engineer
2. Linda H. Rosen, Environmental Engineer

Other Attendees

1. Manoj Agrawal, Operation Manager, INEOS
2. Lance Siebert, Safety, Health, and Environmental Manager, INEOS
3. Anjali Patel, E.I., Safety, Health, and Environmental Engineer, INEOS

Contact Email Address: manoj.agrawal@ineos.com

Purpose of Inspection: To determine compliance with CAA

Facility Type: Chemical manufacturing facility – polystyrene production

Arrival Time: 13:00

Departure Time: 17:30

Inspection Type:

- ☒ Unannounced Inspection
☐ Announced Inspection

OPENING CONFERENCE

- ☒ Credentials Presented
☒ CBI warning to facility provided

The following information was obtained verbally from Mr. Agrawal unless otherwise noted.

Process Description: The INEOS' Channahon facility is a polymer styrene manufacturing facility. The facility has two manufacturing product lines: (1) High Impact Polystyrene (HIPS), and (2) General Purpose Polystyrene (GPPS). These products are used in a wide range of applications mainly in the food packaging industry. The polystyrene production is a continuous process. The facility claimed its process information as a confidential business information (CBI).

Staff Interview: The facility operates 24 hours per day, seven days per week, and has about 175 employees (over 3,500 employees worldwide). The facility's operations are covered under the 325211 - Plastics Material and Resin Manufacturing, North American Industry Classification System code, and 2821 - Plastics Materials, Synthetic Resins, and Nonvulcanizable Elastomers, Standard Industrial Classification code.

TOUR INFORMATION

EPA toured the facility: Yes

Photos and/or Videos: were taken during the inspection.

Field Measurements: were not taken during this inspection.

CLOSING CONFERENCE

The facility claimed its process flow diagrams, process information, and photos of process tanks CBI. The forward-looking infrared camera was used on styrene tanks F 701 and F 708 but there were no videos taken.

SIGNATURES

Report Author: ABP Date: 8/29/18

Section Chief: Subir Kumar Date: 8/30/19

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APPENDICES AND ATTACHMENTS

1. Appendix A – Photos of process tanks (CBI)
2. HIPS-1, GPPS, and Hopper Car Loading process flow diagrams (CBI)