



REGION 5

CHICAGO, IL 60604

MEMORANDUM

SUBJECT: CLEAN AIR ACT INSPECTION REPORT
INEOS Joliet LLC, Channahon, IL

FROM: Karyn DeFranco, Physical Scientist
AECAB (MN/OH)

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

TO: File

BASIC INFORMATION

Facility Name: INEOS Joliet LLC (INEOS)

Facility Location: 23425 Amoco Road, Channahon, IL

Date of Inspection: July 9, 2024

EPA Inspectors:

1. Karyn DeFranco, EPA Region 5, Physical Scientist
2. Victoria Nelson, EPA Region 5, Environmental Engineer
3. Philip Myers, EPA National Enforcement Investigation Center (NEIC)
4. Conor Goulding, EPA NEIC

Other Attendees:

1. Justin Milavec, Environmental Engineer
2. Colin Hule, Site Asset Manager

Contact Email Address: Justin Milavec - justin.milavec@ineos.com

Purpose of Inspection: On-site EPA NEIC Geospatial Measurement of Air Pollution, Remote Emissions Quantification (GMAP) survey

Facility Type: Chemical manufacturing facility

Facility Name: INEOS Joliet LLC
Facility Location: 23425 Amoco Road, Channahon, IL
Date of Inspection: July 9, 2024

Regulations Central to Inspection: The Illinois State Implementation Plan; the National Emissions Standards for Hazardous Air Pollutants from Group IV Polymers and Resins Manufacturing under 40 C.F.R. Part 63, Subpart JJJ; and the facility's Title V Permit

Arrival Time: 10:20 AM

Departure Time: 12:20 PM

Inspection Type:

- ☒ Unannounced Inspection
☐ Announced Inspection

OPENING CONFERENCE

- ☒ Presented Credentials
☒ Stated authority and purpose of inspection
☒ Small Business Resource Information Sheet not provided. Reason: Not a Small Business
☒ Provided CBI warning to facility

The following information was obtained verbally from INEOS Joliet LLC unless otherwise noted.

Process Description:

INEOS Joliet LLC (INEOS) operates a chemical manufacturing facility at its Channahon, IL location. The facility has approximately 150 employees and operates 24 hours per day, seven days per week. The facility produces three main products: isophthalic acid (IPA), trimellitic anhydride (TMA), and maleic anhydride (MAN). All processes are continuous processes.

Staff Interview:

- INEOS informed EPA that since February 2024 through the date of the inspection, the TMA process has not been operating;
- INEOS stated that all processes generate some wastewater, but that the purified IPA process generates the majority of wastewater at the facility;

TOUR INFORMATION

EPA Toured the Facility: Yes

Data Collected and Observations:

EPA drove the GMAP around the facility. It started raining at 11:18 AM and continued to rain through the entirety of the inspection.

The GMAP detected low levels of VOC near the MAN rail car loading/unloading and low levels of methane near the MAN thermal oxidizer and wastewater treatment area.

Facility Name: INEOS Joliet LLC
Facility Location: 23425 Amoco Road, Channahon, IL
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Field Measurements: Were taken during this inspection, but are included in a separate report.

CLOSING CONFERENCE

☒ Provided U.S. EPA point of contact to the facility

DIGITAL SIGNATURES

Report Author: **VICTORIA NELSON**
Digitally signed by VICTORIA NELSON
Date: 2024.08.29 13:37:23 -05'00'

Section Supervisor: **SARAH MARSHALL**
Digitally signed by SARAH MARSHALL
Date: 2024.08.29 13:51:40 -05'00'