



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

SUBJECT: CLEAN AIR ACT INSPECTION REPORT
Equinor USA Onshore Properties Inc., Clarington, Ohio

FROM: Sasha Letuchy, Environmental Engineer
AECAB (MI/WI)

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

TO: File

BASIC INFORMATION

Facility Name: Equinor USA Onshore Properties Inc. - Eisenbarth/Michael Pad (Equinor)

Facility Location: 42240 Long Ridge Road, Clarington, Ohio (39.697662, -80.898985)

Date of Inspection: 8/30/2022

EPA Inspector(s):

1. Sasha Letuchy, Environmental Engineer
2. Manoj Patel, Environmental Engineer

Other Attendees:

1. Brad Dockter, Manager

Contact Email Address: brado@equinor.com

Purpose of Inspection: To assess compliance with NSPS Subpart OOOO and the facility's permit

Facility Type: Oil and natural gas well pad

Regulations Central to Inspection: New Source Performance Standards for Crude Oil and Natural Gas Facilities (OOOO and OOOOa) at 40 C.F.R. Part 60, Subpart OOOO and OOOOa

Arrival Time: 10:00 am ET

Departure Time: 11:30 am ET

Inspection Type:

- ☐ Unannounced Inspection
- ☒ Announced Inspection

OPENING CONFERENCE

- ☒ Presented Credentials
- ☒ Stated authority and purpose of inspection
- ☒ Provided Small Business Resource Information Sheet Emailed after returned to office.
- ☐ Small Business Resource Information Sheet not provided.
- ☒ Provided CBI warning to facility

The following information was obtained verbally from Brad Doctors unless otherwise noted.

Process Description:

At the well pad, a condensate/gas/water emulsion is extracted from the Utica Shale formation through five wells and from the Marcellus Shale formation through four wells (two additional wells are under construction), located on the Eisenbarth/Michael well pad. The emulsion from each well goes to gas processing units, from which the gas is sent to the sales line and the condensate and produced water are piped to one of two tank batteries. One tank battery is made up of three condensate tanks. A second tank battery is made up of nine produced water tanks. The vapors from the tank headspaces are piped together and routed to a combustor for destruction. Each tank has a thief hatch.

TOUR INFORMATION

EPA Tour of the Facility: Yes

Data Collected and Observations:

During the inspection, emissions were routed to the combustor, but Burner Management System for the combustor was running on manual and showed that the pilot light, ignite light, and main light were not on. We recorded FLIR videos of emissions venting from thief hatches.

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

Field Measurements: were not taken during this inspection.

CLOSING CONFERENCE

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

Compliance Assistance: As EPA observed venting from the tanks with the FLIR camera, EPA communicated this information to Brad Doctors.

Concerns: EPA noted concerns about the design and operation of the vapor capture and control system at the facility. EPA is concerned about both venting of emissions from the tanks and monitoring issues with the combustor.

DIGITAL SIGNATURES

Report Author: **ALEXANDR
A LETUCHY** Digitally signed by
ALEXANDRA LETUCHY
Date: 2022.10.25
11:39:33 -05'00'

Section Supervisor: **SARAH
MARSHALL** Digitally signed by
SARAH MARSHALL
Date: 2022.10.25
14:29:47 -05'00'

Facility Name: Equinor

Facility Location: 42240 Long Ridge Road, Clarington, Ohio

Date of Inspection: 8/30/2022

APPENDICES AND ATTACHMENTS

- 1.* Digital video log

Facility Name: Equinor
Facility Location: 42240 Long Ridge Road, Clarington, Ohio
Date of Inspection: 8/30/2022

APPENDIX A: DIGITAL IMAGE LOG

1. Inspector Name: Manoj Patel (photos) Sasha Letuchy (FLIR videos)	2. Archival Record Location: Region 5 Electronic Records Center
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Image Number	File Name	Date and Time (Eastern Time)	Description of Image
2643	MOV_2643	8/30/2022 10:07 AM*	Combustor
2644	MOV_2644	8/30/2022 10:19 AM	Combustor
2645	MOV_2645	8/30/2022 10:33 AM	Tank 9 thief hatch venting (Tag 1116)
2646	MOV_2646	8/30/2022 10:45 AM	Tank 4 thief hatch (Tag 1115)
2647	MOV_2647	8/30/2022 10:46 AM	Tank 5 thief hatch venting (Tag 0545)
0233	IMG_0233	8/30/2022 10:30 AM	Three condensate tanks
0234	IMG_0234	8/30/2022 10:31 AM	Combustor stack
0235	IMG_0235	8/30/2022 10:45 AM	Tank 1 thief hatch
0236	IMG_0236	8/30/2022 10:52 AM	Tank battery
0237	IMG_0237	8/30/2022 10:57 AM	Combustor PLC. The combustor PLC states that the system is on manual mode and the pilot light, ignite light, and main light were not lit

*The time zone was set incorrectly; therefore, all MOV files time stamps were adjusted forward six hours in this log.