



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

OCT 02 2019

DATE:

SUBJECT:

CLEAN AIR ACT INSPECTION REPORT
Xcel Energy -- Wescott LNG Plant, Inner Grove Heights, Minnesota

FROM:

Luke Hullinger, Environmental Engineer
AECAB (MI/WI)

THRU:

Ethan Chatfield, Acing Section Chief
AECAB (MI/WI)

TO:

File

BASIC INFORMATION

Facility Name: Xcel Energy -- Wescott LNG Plant

Facility Location: 10326 South Robert Trail, Inner Grove Heights, Minnesota

Date of Inspection: 8/15/2019

EPA Inspector(s):

1. Luke Hullinger, Environmental Engineer
2. Kenneth Ruffatto, Environmental Engineer

Other Attendees

1. Shaun Levy, Gas Plants Manager, Xcel Energy
2. Patti Leaf, Environmental Manager, Xcel Energy
3. Jeremy Gringras, Gas Plant Operator, Xcel Energy

Contact Email Address: patricia.b.leaf@xcelenergy.com

Purpose of Inspection: Clean Air Act Inspection

Facility Type: Liquid Natural Gas Shaver Station

Regulations Central to Inspection: National Emission Standard for Hazardous Air Pollutants
Subpart ZZZZ for Reciprocating Internal Combustion Engines

Arrival Time: 10:40 AM
Departure Time: 12:30 PM

Inspection Type:

- ☒ Unannounced Inspection
☐ Announced Inspection

OPENING CONFERENCE

- ☒ Credentials Presented
☒ CBI warning to facility provided

The following information was obtained verbally from Shaun Levy unless otherwise noted.

Process Description:

Xcel Energy - Wescott LNG Plant is a liquid natural gas shaver station in Inner Grover Heights, Minnesota. The plant receives natural gas from one pipeline at 320 psi, and sends natural gas out through two pipelines both at 400 psi. When the natural gas is received it is chilled to -255°F. Next, the natural gas is stored in a storage tank pressure vessel at 0.4 – 0.7 psi. Then, depending on demand, the natural gas is sent out in two pipelines at 400 psi.

Staff Interview: The combustion turbine was replaced with a more efficient one that had less emissions and the same capacity in 2012. During the inspection there was a temporary flare being used while maintenance was being performed.

TOUR INFORMATION

EPA toured the facility: Yes

Data Collected and Observations:

A FLIR video was taken of emissions from the extension box between Compressor 102 and the natural gas line.

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

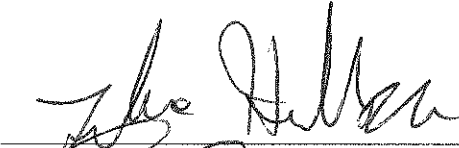
Field Measurements: were taken during this inspection.

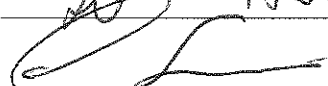
- Xcel Energy's LEL meter indicated 55% level of LEL of emissions from the extension box of Compressor 102.

CLOSING CONFERENCE

Concerns: EPA noted that the emissions coming from the extension box. The box came in contact with both refrigerants on a closed loop system and natural gas from the storage tank.

SIGNATURES

Report Author:  Date: 10/3/2019

Section Chief:  for Ethan Date: 10/3/2019
Chaffield

Facility Name: Xcel Energy – Wescott LNG Plant

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APPENDICES AND ATTACHMENTS

I. Appendix A – Video log

Facility Name: Xcel Energy – Wescott LNG Plant

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APPENDIX A: DIGITAL IMAGE LOG

1. Inspector Name: Luke Hullinger	2. Date(s) of Inspection: 8/15/2019
3. Company/Facility Name: Xcel Energy – Wescott LNG Plant	4. Street Address, City, State: 10326 South Robert Trail, Inner Grove Heights, Minnesota
5. Number of Images: 1	6. Archival Record Location: C:\Users\Lhulling\OneDrive - Environmental Protection Agency (EPA)\Xcel Wescott\FLIR Video

Image Number	File Name	Description of Image
1	MOV_2518.mp4	FLIR video of emissions leaving the extension box of Compressor 102