

Source Inspection Report

COMPANY: Linde Gas NA, LLC
3930 Michigan Street
Hammond, Indiana 46323
(219) 989-9030

<u>*Violation(s) Observed (Y/N)?</u>	
State	No
Local	No

SOURCE ID NUMBER: 089-00475 INSPECTION DATE: June 21, 2016

SOURCE CLASSIFICATION: Local/
Registration LEVEL: Annual

OPERATION PERMIT TYPE: Local/Registration TYPE: 2

OPERATION PERMIT NO(s): Local
03706-03707
Registration
089-18053-00475

ISSUE DATE(s): Local INSPECTOR: Michael Zabrecky
February 2, 2016
Registration
September 26, 2003

PERMIT REVISION DATE: N/A

REPORT WRITTEN BY: Michael Zabrecky

FACILITIES INSPECTED: LSI Shotblast Cabinet (SB-1) and Spray Paint Booth

PERSON(s) INTERVIEWED: Doug McLeod, Area Plant Manager
Mike Wood, Maintenance

INSPECTION OBJECTIVE(s):

To determine Linde Gas NA, LLC's compliance to applicable State and local air pollution regulations through observations, interviews with Company representatives, and review of records.

SUMMARY OF INSPECTION:

On June 21, 2016, an Annual Inspection was conducted at Linde Gas NA, LLC. This facility holds two (2) operation permits for a Spray Paint Booth and a LSI Shotblast Cabinet (SB-1).

The spray paint booth was the only unit in operation.

No visible emissions found or violations observed.

Source Inspection Report

Linde Gas NA, LLC – 6/21/2016

Plant ID: 089-00475

ENTRY INTERVIEW:

Upon entry, I met with Doug McLeod, (the new) Area Plant Manager and with Mike Wood, Maintenance for Linde Gas NA, LLC. I informed them that this is an Annual Inspection and that I wanted to inspect the State Registered and local air permitted items.

INSPECTION OBSERVATION(s):

The potential to emit (as defined in 326 IAC 2-7-1(30)) of VOC is less than or equal to 25 tons per year and the Source is located in Lake County. The potential to emit (HAPs) is less than 25 tons per year of all HAPs combined. Therefore, the source is not subject to the provisions of 326 IAC 2-7. However the potential to emit of PM and PM₁₀ is greater than five (5) tons per year, therefore, this source is subject to 326 IAC 2-5.1-2 – Registration.

1. Process Equipment: Spray Paint Booth
2. Process Description:
This unit is used to paint gas cylinders and welding machine parts. Particulate emissions from overspray of paint are controlled by polyester panel filters. Filters rated at 99.5% control efficiency.
3. Pollutants Emitted:
Particulate matter (PM), particulate matter_{10microns} (PM₁₀), volatile organic compounds (VOC)
4. Control Equipment:
Polyester panel filters
5. Applicable Rules:
The provisions of 326 IAC Article 2 (Indiana Permit Review Rules) and Hammond Ordinances #7102 (Environmental) and #3522 (as Amended) (Air Pollution Control).
6. Emission Limitations:

PM	= 0.009 lbs/hr	= 0.039 tons per year (TPY)
PM ₁₀	= 0.009 lbs/hr	= 0.039 TPY
VOC	= 2.275 lbs/hr	= 9.965 TPY
7. Other Permit Requirements:
See the General and Special Operation Permit Conditions for 2016.
8. Observations:
The booth was in operation. No visible emissions or modifications observed.
9. Records Review:
Copies of the following were obtained for review:

Source Inspection Report

Linde Gas NA, LLC – 6/21/2016

Plant ID: 089-00475

Special Operation Permit Condition #1. – Linde Gas NA, LLC shall be required to record daily usage of (VOC) coatings applied in gallons for each day of operation. Linde Gas NA, LLC shall submit to the Hammond Department of Environmental Management – Air Pollution Control Division such records in a quarterly report, within fifteen (15) days after the end of each quarter. This data shall be submitted on the format attached.

10. Compliance Status:
No violations observed or determined during the plant walkthrough. No violations noted during review of records.
1. Process Equipment: LSI Shotblaster Cabinet (SB-1)
LSI Shotblast Cabinet (SB-1)
LSI Dust Collector (DC-1)
2. Process Description:
This shotblast cabinet has a maximum design capacity of 500 lbs/hr (0.25 tons/hr) based on a two (2) lb/hr steel shot consumption rate and 99% control efficiency of the LSI Dust Collector (DC-1). It is used for the removal of paint and corrosion from acetylene gas cylinders prior to painting for reuse.
3. Pollutants Emitted:
Particulate matter (PM), and particulate matter_{10microns} (PM₁₀).
4. Control Equipment:
LSI Dust Collector (DC-1)
5. Applicable Rules:
The provisions of 326 IAC Article 2 (Indiana Permit Review Rules) and Hammond Ordinances #7102 (Environmental) and #3522 (as Amended) (Air Pollution Control).
6. Emission Limitations:
PM = 0.008 lbs/hr = 0.035 Tons Per Year (TPY)
PM10 = 0.007 lbs/hr = 0.030 TPY
7. Other Permit Requirements:
See the General and Special Operation Permit Conditions.
8. Observations:
The shotblast cabinet was not in operation. No visible emissions or modifications observed.
9. Records Review:
Copies of the following were obtained for review:

Special Operation Permit Condition 8(a) – An inspection shall be performed each calendar quarter of all the dust collector bags.

Source Inspection Report

Linde Gas NA, LLC - 6/21/2016

Plant ID: 089-00475

Defective dust collector bags shall be replaced. A record shall be kept of the results of the inspection and the number of dust collector bags replaced.

10. Compliance Status:

No violations observed or determined during the plant walkthrough. No violations noted during review of records.

CONCLUSION(s)/RECOMMENDATION(s):

No violations, visible emissions, or new sources of air emissions were observed.