

*FY2015 Insp*

DEPARTMENT OF ENVIRONMENTAL QUALITY  
AIR QUALITY DIVISION  
ACTIVITY REPORT: Self Initiated Inspection

U63150209129114

FACILITY: Matheson		SRN / ID: U631502091
LOCATION: 28240 Beck Road		DISTRICT: Southeast Michigan
CITY: Wixom		COUNTY: OAKLAND
CONTACT: <i>JK</i>		ACTIVITY DATE: 04/01/2015
STAFF: Iranna Konanahalli	COMPLIANCE STATUS: Compliance	SOURCE CLASS:
SUBJECT: FY 2015 inspection of Matheson ("Matheson")		
RESOLVED COMPLAINTS:		

*U631502091 - SAR - 2015 04 01*

**Matheson (U-63-15-02091)**  
**28240 Beck Road**  
**Wixom, Michigan 48393-3623**

On April 01, 2015, I conducted a level 2 self-initiated inspection of Matheson ("Matheson"), located at 28240 Beck Road, Wixom, Michigan 48393-3623. The inspection was conducted to determine compliance with the Federal Clean Air Act; Article II, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451; and Michigan Department of Environmental Quality, Air Quality Division (MDEQ-AQD) administrative rules.

During the inspection, Mr. Gerald Tatro (Phone: 248-735-2122; Fax: 248-735-2170; Cell: NA; E-mail: gTatro@mathesonGas.com), Area Retail Manager, Matheson Valley, and Mr. Pavel Mendlik (Phone: 248-735-2130; Fax: 248-735-2170; Cell: 989-529-8966; E-mail: pMendlik@mathesonGas.com), Production and Distribution Supervisor, assisted me.

Matheson deals in specialty gases: both industrial and calibration gases. Matheson is in business since 1927. About 1999, Matheson merged with Tri-Gas, Inc. to form Matheson Tri-Gas, Inc. The merger combined analytical, semi-conductor strengths of Matheson and bulk industrial cylinder and equipment capabilities of Tri-Gas. Matheson is member of Tokyo based Taio Nippon Sanso Corporation.

Matheson deals in both inert gases such as Nitrogen (N2), Oxygen (O2), Helium (He, light gas of atomic weight 4, boiling point -452 °F and such low BP indicates extremely high pressure under ambient conditions), Carbon Dioxide (CO2), Argon (Ar, boiling point -302 °F and such low BP indicates extremely high pressure under ambient conditions) and explosive gases such as acetylene and propane. Both industrial and calibration gases are present.

While explosive / flammable gases are not filled at Wixom site, inert gases, including cryogenic, are filled. In all six (6) inert gas fill stations are present. Explosive gases (acetylene and propane) are imported from other filling stations in metal bottles and stored in fire protection areas. Propane bottles are sold for in-plant vehicles such as lift-trucks.

Several storage tanks are present: 6,000-gallon Argon, 8,000-gallon nitrogen, 8,000-gallon oxygen, 13 ton carbon dioxide, 2 trailers (160,000 cub. ft.) helium. In these tanks, gases are stored under cryogenic conditions as liquids under high pressure compression. High pressure hazard due to structural failure of containers exist. Oxygen is used for both industrial and medical purposes.

No parts cleaner. Although previously paint spray booth could be present, now all painting is outsourced.

**Conclusion**

Paint spray booth is not present and all painting is outsourced.

NAME *Iranna Konanahalli* DATE *04/09 2015* SUPERVISOR *CJE*