DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: Scheduled Inspection

N302233530

FACILITY: Eaton Rapids Gas Storage System		**SRN / ID:** N3022
LOCATION: 3349 S Waverly Rd, EATON RAPIDS		**DISTRICT:** Lansing
CITY: EATON RAPIDS		**COUNTY:** INGHAM
CONTACT: Bruce Bendes, R.S., CHMM, , Environmental Specialist		**ACTIVITY DATE:** 02/16/2016
STAFF: Julie Brunner	**COMPLIANCE STATUS:** Compliance	**SOURCE CLASS:** MAJOR
SUBJECT: Determine compliance with MI-ROP-N3022-2014 and as part of an FCE		
RESOLVED COMPLAINTS:		

On February 16, 2016, I conducted a scheduled inspection of Eaton Rapids Gas Storage System (N3022) as part of a Full Compliance Evaluation (FCE). This facility was last inspected on February 27, 2015. For safety and security reasons the property is fenced with warning signs, gated, and access is recommended as appointment only. Safety gear is required including safety glasses, hardhat, flame resistant coveralls, steel-toed shoes, and a safety orientation is provided before staff can tour the facility.

Contacts:
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Mr. Glenn McRae, Controls/Measurement Technician, office: 517-663-1088 (ext. 2127), cell: 231-388-1097, glenn_mcrae@transcanada.com
Mr. Keith Abrahamson, Retiring Technician, office: 517-663-1088

Facility Description:
Eaton Rapids Gas Storage System is a natural gas transmission and storage facility located in Section 7 of Onondaga Township, Ingham County, on the Ingham/Eaton county line, adjacent to the Grand River, and approximately one quarter mile northeast of the National VFW Home. The facility is owned and operated by TransCanada with a primary business of transmission and storage of natural gas. Natural gas is re-injected into an underground gas reservoir for storage and is withdrawn as needed for pipeline transport and sale. The reservoir, a depleted natural field, is approximately three (3) miles in length and 3,700 feet below the earth's surface. The geological formation of the storage reservoir is Gray Nigeria. The processes are seasonal, with extraction occurring November through March. The natural gas is coming from western Canada, stored in the reservoir, and transported throughout the Midwest for use. A network of pipeline is used to transport the natural gas from point to point.

Three identical natural gas-fired, spark ignition (SI) reciprocating internal combustion engines (RICE), are used to compress natural gas into the storage reservoir during injection, and into the pipeline during withdrawal. A glycol dehydration system removes water and impurities from natural gas withdrawn from the reservoir. Additional processes include a natural gas-fired withdrawal natural gas bath process heater, a natural gas-fired boiler for water heating, an emergency generator, and eight (8) liquid storage tanks.

See attachments for the full report.

NAME Julie L. Brunner DATE 3/17/16 SUPERVISOR