

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

N557948884

FACILITY: DTE North Hamilton Gate Station		SRN / ID: N5579
LOCATION: 6424 E HAMILTON, HARRISON		DISTRICT: Saginaw Bay
CITY: HARRISON		COUNTY: CLARE
CONTACT: Rob Simmons , Senior Engineer - Environmental		ACTIVITY DATE: 05/22/2019
STAFF: Meg Sheehan	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Scheduled site inspection for FY19.		
RESOLVED COMPLAINTS:		

On Monday, April 22, 2019, a scheduled site inspection was conducted by AQD District staff at DTE/TransCanada's North Hamilton Gate Station in Harrison, Clare County. DTE representative Rob Simmons (Senior Environmental Engineer) was onsite to answer questions and provide a tour of the facility, which was in operation upon arrival. Site inspection activities were conducted with the intent of confirming compliance with Michigan's Air Pollution Control Rules. Additional questions regarding equipment owned by TransCanada were answered by Mr. Chris Waltman (Senior Environmental Specialist) via email.

FACILITY DESCRIPTION & HISTORY

The North Hamilton Gate Station is a minor source located on a parcel approximately one acre in area, about half a mile west of North Rodgers Avenue (see attachment 1). Surrounding properties are predominantly agricultural and residential, with some oil and gas production areas nearby as well. The property is owned by DTE Energy, with part of it being leased to TransCanada (formerly ANR Pipeline Company). Equipment onsite is owned by both DTE and TransCanada (see attachments 1 and 2).

The most recent site inspection was conducted on September 30, 2003, and the source was found to be in compliance with its air permit (Permit To Install (PTI) No. 578-96) at that time. PTI No. 578-96 was voided in 2005 because ANR was ceasing operation of the existing glycol dehydration onsite. They switched to using a "Desi-Dry" closed dehydration system which did not have any emissions to the atmosphere and therefore did not need a PTI. That PTI was voided in 2005 and no dehydration activities occur at the site currently.

PROCESS DESCRIPTION

The facility operates as an interface between natural gas transmission and distribution. Natural gas comes into the facility via high pressure transmission pipelines. The pressure is dropped which results in a decrease in temperature, so a heater is utilized to reheat the gas. Prior to leaving the facility via distribution pipelines, odorant is added to the gas.

COMPLIANCE EVALUATION

Operational and non-operational equipment onsite includes the following. Based on information gathered during the inspection from Mr. Simmons, and previous information obtained from Mr. Barry Marietta (see District file), it appears as though equipment with emissions to the atmosphere may be exempt from permitting.

- DTE emission units:
 - o Kohler generator (natural gas-fired, rated at approximately 41,000 Btu/Hr)
 - § Relevant exemption: R 336.1282(2)(b)(i)
 - o Heater treater (rated at 4.0 MMBtu/Hr)
 - § Relevant exemption: R 336.1282(2)(b)(i)
 - o Odorizing tank (not vented to the atmosphere)
 - § Relevant exemption: R 336.1288(2)(a)
- TransCanada emission units:
 - o Dehydrator (not in operation and does not have a fuel supply – see attachment 4)
 - o Small storage tank for brine
 - o Gate valve and meter station (not potential sources of air pollution)

No visible emissions or odors were noted during the inspection.

COMPLIANCE DETERMINATION

At this time, the DTE North Hamilton Gate Station appears to be in general compliance with all applicable rules

and regulations.

NAME Mag Sheehan

DATE 5/17/19

SUPERVISOR C. Hece