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

N783438270

FACILITY: MUSKEGON DEVELOPMENT, Otsego Lake Facility		SRN / ID: N7834
LOCATION: SW 1/4 NE 1/4 SW 1/4 SEC 6, OTSEGO LAKE		DISTRICT: Cadillac
CITY: OTSEGO LAKE		COUNTY: OTSEGO
CONTACT: MICHAEL MESBERGEN , ENGINEER		ACTIVITY DATE: 01/11/2017
STAFF: Shane Nixon	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: On site inspection		
RESOLVED COMPLAINTS:		

AQD staff traveled to Otsego County to perform an inspection of the Muskegon Development Otsego Lake facility. The purpose of the inspection was to determine the facility's compliance with Permit to Install (PTI) No. 228-07 and applicable state and federal air pollution control regulations. The facility consisted of a storage vessel, glycol dehydrator, and a compressor engine.

The glycol dehydrator removes water from gas produced from the Antrim formation. Requirements in the PTI are derived from 40 CFR Part 63, Subpart HH and AQD has not been delegated authority to enforce the regulation. Therefore, compliance with the federal regulation was not determined.

The compressor engine is a Caterpillar Model 3406 and is not equipped with catalytic control. AQD staff noted the serial number is 4FD02988 and the skid number is NGCS232, which is the same numbers observed during an on-site inspection performed in 2013 and confirms the engine has not been replaced.

AQD staff observed the stack was constructed in accordance with the parameters listed in the PTI and a device was installed to monitor the natural gas usage of the engine.

Compressor engine and compressor operating parameters observed during the inspection follow:
Operating rate: 1,307 revolutions per minute
Compressor oil pressure: 55 pounds per square inch
Engine oil pressure: 70 pounds per square inch
Engine oil temperature: 171° Fahrenheit
Engine coolant temperature: 164°F

Facility records were previously reviewed (see Activity Report No. N783437567).

NAME _Shane Nixon_   DATE _1/12/17_   SUPERVISOR _____