

DEPARTMENT OF ENVIRONMENTAL QUALITY
AIR QUALITY DIVISION
ACTIVITY REPORT: On-site Inspection

P043961835

FACILITY: DT Midstream - GOOSE CREEK REMEDIATION SITE		SRN / ID: P0439
LOCATION: COUNTY ROAD 612 & DEWARD ROAD (GOOSE CREEK ROAD), KALKASKA		DISTRICT: Cadillac
CITY: KALKASKA		COUNTY: KALKASKA
CONTACT: Darrell Grassmyer , Director - Environmental		ACTIVITY DATE: 02/03/2022
STAFF: Caryn Owens	COMPLIANCE STATUS: Compliance	SOURCE CLASS: SM OPT OUT
SUBJECT: On-site Inspection and Records Review. Site is not operating and in the process of closing the SVE system.		
RESOLVED COMPLAINTS:		

On Thursday, February 3, 2022, Caryn Owens of the Department of Environment, Great Lakes, and Energy (EGLE) – Air Quality Division (AQD) conducted a scheduled on-site inspection of the DTE Energy (DTE) – Goose Creek soil vapor extraction (SVE) remediation system (P0439) located at the northeast corner of County Road and Deward Road (Goose Creek Road) in Blue Lake Township, Kalkaska County, Michigan. The SVE remediation system was located on the northeast corner of the Property outside of the fenced-in area of the compressor station. The purpose of this inspection was to determine the facility's compliance with permit to install (PTI) 56-13B. The site is currently an opt-out source for hazardous air pollutants (HAPs) and is a minor source for criteria pollutants. AQD was unaccompanied by during the inspection.

Evaluation Summary:

Based on the field inspection and records review, the facility is in compliance with PTI 56-13B. No further information is necessary at this time. DTE is in the process of submitting a closure request for the site, and once the site is closed, DTE will request to void the PTI. Specific permit conditions that were reviewed are discussed below.

On-site Inspection:

Soil and groundwater were impacted by natural gas condensate that was spilled at the facility. The remediation area consists of air sparging and vapor extraction wells, which vacuum up water and air, then goes through a knock-out tank to remove the water. The air exits a stack located west-northwest of the remediation system, and the water is ran through carbon absorption tanks and then re-injected back into the ground.

During the field inspection, the weather Conditions were mostly sunny and approximately 15 degrees Fahrenheit, with winds from the northeast approximately 5-10 miles per hour. There was no path to the trailer, and the snow was about a foot deep. AQD did not have access to get inside the trailer, but the some of the wells, stack, and trailer were visible during the inspection. No odors or visual emissions were present during the field inspection.

Compliance Evaluation:

EUSOIL: A vacuum extraction remediation system that consists of SVE wells, air sparging, vacuum blowers, and an air flow distribution system with an emissions stack.

- **Emission Limits:** EUSOIL is limited to 25 tons per 12-month rolling time period of volatile organic compounds (VOCs), less than 9 tons per 12-month rolling time period per individual hazardous air pollutant (HAP), and less than 22.5 tons per 12-month rolling time period for aggregate HAPs. Based on the MAERS data reviewed from January 2020 through December 2020 records reviewed, the total VOCs were reported at 0.0040 tons per 12-month rolling time period, and the HAPs were reported at 0.0001 tons per 12-month rolling time period, which are far below the permitted emission limits. Based on my most recent records request from December 1, 2021 through January 31, 2022 time period, Mr. Darrell Grassmyer stated DTE is in the process of submitting a closure request for the site, and the remediation system has not operated during this time. Based on the records reviewed, it appears the system was last operated October 2020.

- **Material Limits, Process/Operational Restrictions, Design/Equipment Parameters, Testing/Sampling, Reporting, and Other Requirements** have no applicable requirements for EUSOIL.
- **Monitoring/Recordkeeping:** As previously stated, the remediation system has not been operating and DTE is in the process of submitting a closure request for the site.
- **Stack Restrictions:** Based on visible observations during the field inspections, the stack of the EUSOIL appeared in compliance with the permitted limits.

NAME *Camp Owens*

DATE _____

SUPERVISOR _____