

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

N542233471

FACILITY: Wayne Wire Cloth Products		SRN / ID: N5422
LOCATION: 10 East Dresden St, KALKASKA		DISTRICT: Cadillac
CITY: KALKASKA		COUNTY: KALKASKA
CONTACT: Kip Goossens , Sr. Production Support Manager		ACTIVITY DATE: 02/10/2016
STAFF: Caryn Owens	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Scheduled Field Inspection & Records Review		
RESOLVED COMPLAINTS:		

On Wednesday, February 10, 2016, Caryn Owens of the Department of Environmental Quality (DEQ) – Air Quality Division (AQD) conducted a scheduled field inspection of Wayne Wire Cloth Products, Inc. Remediation Site (SRN: N5422) located at 753 Old M-72 in Kalkaska, Michigan. More specifically the site is located on the south side of the road, approximately 1/3 mile north of M-72, and 1/4 mile west of the bend on Old M-72 and North Birch Street. The field inspection and records review were to determine compliance with permit to install (PTI) 497-95A. The site is currently an area source for hazardous air pollutants (HAPs) and a minor source of criteria pollutants, specifically volatile organic compounds (VOCs). An inspection brochure was not given to anyone at the facility, but will be emailed to the company with this inspection report.

Evaluation Summary

The activities covered during this field inspection and records review appear to be in compliance with PTI 497-95A. No further actions are necessary at this time. Specific permit conditions that were reviewed are discussed below.

Source Description:

The site was covered in snow, and the weather conditions were cloudy and snowing, with winds approximately 10-15 miles per hour from the north-northwest, and 12 degrees Fahrenheit. There were two buildings at the site; the northern building was a storage building and the southern building was the remediation building that contained the equipment. The air stripper tower appeared to be approximately 45 above ground surface, and approximately 2 feet in diameter. Seven recovery wells pump in impacted groundwater, and flows through the air stripper which removes the VOCs from the groundwater and the water is discharged into the Little Rapid River, and the effluent vapors are discharged to atmosphere. The air stripper has no control. A digital readout has the total flow coming in, the air flow, and differential pressure on the system. These parameters are checked and recorded on a weekly basis. The air stripper has a cleaning event twice a year, and periodically a freeze event to clean out the system during the winter months. Additionally, the remediation site is fenced in and locked. DEQ followed Mr. Kip Goossens of Wayne Wire Cloth Products, Inc. to the remediation site for access.

During the inspections, the total flow was 211 gallons per minute, the air flow was 7,144 cubic feet per minute, and a pressure of 2 inches of water column. The stripper packing pressure was at approximately 5.8 inches of water column. A copy of Mr. Goossens most recent weekly inspection report is attached.

Records Reviewed

- **Special Condition (SC) 13** – No visible emissions were observed from the air stripper during the inspection.
- **SC 14:** - Based on the records reviewed from December 2014 through December 2015, the highest VOC emission rate from the air stripper reported was 0.03 pounds per hour and 0.11 tons per year, which is less than the permitted limits of 0.41 pounds of VOCs per hour and 1.8 tons per year. The records are attached.
- **SC 15:** VOC emission rates were calculated using the water flow rate and monthly VOC concentrations from laboratory testing.
- **SC 16:** The facility monitors and records the flow rate and total VOC concentration of the influent and effluent water streams of the air stripper, in an acceptable manner. The air stripper is monitored on a weekly basis and laboratory samples are collected and submitted on a monthly basis. In January 2015, DEQ approved annual submittal of the Emissions Calculations for Groundwater Remediation

SC 17: The air stripper stack appeared to be unobstructed, and at least 43 feet above ground surface which is within permitted limits.

NAME Camp Owens

DATE 2/10/16

SUPERVISOR 