

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

N818436685

FACILITY: OAK PARK FAST TRACK LLC		SRN / ID: N8184
LOCATION: 8600 WEST 9 MILE RD, OAK PARK		DISTRICT: Southeast Michigan
CITY: OAK PARK		COUNTY: OAKLAND
CONTACT: Jeff Cargill , Geologist		ACTIVITY DATE: 08/18/2016
STAFF: Samuel Liveson	COMPLIANCE STATUS: Compliance	SOURCE CLASS: Minor
SUBJECT: Scheduled inspection of a minor source.		
RESOLVED COMPLAINTS:		

On August 18, 2016, I conducted a scheduled, level 2 inspection of Oak Park Fast Track LLC (Fast Track), located at 8600 West Nine Mile Road in Oak Park, Michigan. The purpose of this inspection was to determine the facility's compliance with the federal Clean Air Act, Part 55, Air Pollution Control, of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended, and the conditions of Permit to Install (PTI) No. 364-08.

I arrived on site around 1:00 PM. I spoke with the Abe, the Manager of the Marathon gas station currently on site, to let him know I would be on the property. I met with Mr. Jeff Cargill, Geologist from SES Environmental, who explained remediation equipment and operations. I provided Mr. Cargill with my contact information and a copy of the pamphlet "DEQ Environmental Inspections: Rights and Responsibilities." Mr. Tom Sampson, Project Manager, provided facility records via email.

#### General Information

A soil vapor extraction (SVE) system trailer is located on the northwest portion of the gas station on site. Several monitoring wells delineate the groundwater plume.

A gasoline plume exists near the gasoline underground storage tanks (USTs). Because of low concentrations of gasoline contaminants, the remediation system has been stopped since January 13, 2015. The facility would like to maintain the permit in case they decide to restart the system in the future. When operating, the system usually operated 24 hours a day and throughout the year, although it was sometimes turned off during the coldest part of winters.

#### SVE Treatment Process

The remediation system receives soil vapor from two SVE wells located near the gas station USTs. The extraction wells are screened several feet above groundwater. Soil vapor travels to a knockout tank to remove moisture. Next, a particulate filter is in place to protect a blower, followed by a muffler and flow meter. No controls are in place, so special conditions (S.C.) III.1(a)-(e) of PTI No. 364-08 don't appear to be applicable.

Vapor is extracted out a two-inch diameter exhaust stack. The exhaust stack appears to be about 1.5 times the building height and appears to be in compliance with a height of 20 feet per S.C. VIII.1. Calculated minimum exit velocity is greater than 30 feet per second per S.C. VIII.1 based on flow effluent speeds provided by Mr. Sampson from January of 2014 through January of 2015 when the system was turned off. The minimum flow effluent in that time period was 70 actual cubic feet per minute (ACFM) in July of 2014. Dividing by area using an exhaust diameter of two inches, exhaust velocity is approximately 53 feet per second at a minimum.

#### Records

Mr. Sampson provided records of the gas flow rate and the BTEX (benzene, toluene, ethylbenzene, and xylene) and TPH (total petroleum hydrocarbon) concentrations at the outlet

of the soil vapor extraction system from March of 2010 to January of 2015 per S.C. VI.2. Recordkeeping demonstrates that weekly monitoring was conducted starting in March of 2010, followed by monthly and quarterly monitoring per S.C. VI.2. Laboratory analytical samples were provided for the last four sampling events.

The maximum BTEX emissions per 12 month rolling time period were 0.084 tons BTEX in February 2011, below the BTEX emission limit of 1 ton BTEX per 12 month rolling time period per S.C. I.1. The maximum total petroleum hydrocarbon and gasoline range organics emissions were 0.910 tons per 12 month rolling time period in February of 2011, below the gasoline and VOC emission limits of 10 tons per S.C. I.1 and I.2 respectively.

Records of maintenance were provided for January of 2015 through January of 2016 per S.C. VI.5.

#### Conclusion

Oak Park Fast Track LLC appears to be in compliance. The system was shut down on January 13, 2015. The facility would like to maintain the permit in case they decide to restart the system.

NAME  DATE 9/22/16 SUPERVISOR SK