

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

N662429888

FACILITY: TPI Petroleum, Inc. Roosevelt Site		SRN / ID: N6624
LOCATION: 502 W Pickard Street, MOUNT PLEASNT		DISTRICT: Saginaw Bay
CITY: MOUNT PLEASNT		COUNTY: ISABELLA
CONTACT: Richard Draper , Operations & Maintenance Superintendent Environmen		ACTIVITY DATE: 06/17/2015
STAFF: Sharon LeBlanc	COMPLIANCE STATUS: Compliance	SOURCE CLASS: MINOR
SUBJECT: Every 5 year inspection for minor source.		
RESOLVED COMPLAINTS:		

On Wednesday, June 17, 2015, AQD District arrived onsite to conduct a scheduled site inspection for the Former Roosevelt Refinery, located at 502 West Pickard Street, Mt. Pleasant, Michigan (N6624). The facility is a former petroleum refinery that has been undergoing remediation activities since as early as 1999.

Site inspection was conducted with the intent of confirming the operating status of the units, and compliance with the general permit. Mr. Rick Draper of MRP Properties Company, LLC provided a tour of the facility. The most recent inspection of the facility was conducted on February 23, 2010.

#### FACILITY DESCRIPTION

Located at 502 West Pickard Street, Mt. Pleasant, Michigan (N6624). The facility is a former petroleum refinery located on the northwest edge of town in a mixed use area. The property is presently occupied by McGuirk Sand and Gravel Company (McGuirk) with additional commercial properties located to the east and west of the location on West Pickard Street. The property is bounded to the east by the Chippewa River, which runs north-south and under West Pickard Street. Located immediately to the south is Pickens Field Park, as well as some commercial properties (west of the river).

No distressed vegetation, emissions or odors were noted during the site visit. No obvious staining to soils was noted.

#### PERMITS

Three permits are of record for the facility, and include one active General Permit for soil and groundwater remediation (204-05) and two voided Permits To Install (125-03 and 212-99). The General Permit for the facility was issued to Michigan Reutilization LLC on August 5, 2005.

Permit modification were submitted by Michigan Reutilization, LLC on September 24, 2007 and by MRP Properties Company LLC on February 12, 2010. The most recent being for removal of the air stripping and catalytic oxidation units associated with the facility.

Communications between Permits, MRP Properties Company, LLC and Saginaw Bay District Staff on November 25, 2014, confirmed that removal of GRO (gasoline) analysis from the facilities monitoring plan was in compliance with monitoring condition VI.1 which requires sampling of VOCs and either GRO or BTEX.

Emission Units associated with the General Permit include:

- EUSVE-1 (Soil Vapor Extraction with catalytic oxidation)
- EUSVE-2 (Soil Vapor Extraction with catalytic oxidation)
- EUASU-1 (Air Stripping Unit)
- EUSSG-1 (Southern Sparge Gate), and

· EUNSG-1 (Northern Sparge Gate).

Of the referenced EUs only the Northern and Southern Sparge Gates are actively remediating groundwater prior to discharge. Due to continued decrease in contaminant levels, the other EUs have been shut down, and in some cases removed from site. Flow of untreated groundwater into the Chippewa River is controlled by slurry wall technology.

### COMPLIANCE EVALUATION

At the time of the inspection, the remediation system was in operation. Facility Staff conduct meter readings, preventative maintenance and sampling activities on set schedules to minimize downtime. The facility also carries a complete parts list with suppliers for all equipment onsite to expedite obtaining replacement parts. Copies of R-2 or equivalent forms, as well as operation and maintenance records were onsite at the time of the inspection. Records were noted to be well organized and complete.

At the time of the February 23, 2010, inspection it was determined that the initial weekly and monthly sampling requirements had been met for the facility, and that the facility was conducting quarterly sampling in compliance with the General Permit conditions. The facility has continued with the required quarterly sampling and required monitoring records since that time in compliance with their permit.

Emissions/laboratory data for samples and total annual emissions (based on 12-month rolling) data was available for review, and indicated values well below the permit limits. Records for the required 5-year period are available for review upon request, and as previously noted appeared to be complete and well organized. No compliance issues were noted.

Stack requirements per the permit require that exhaust gases be discharged unobstructed vertically upwards at an exit point at least 1.5 times the building height, but not less than 20 feet above ground level. A minimum exit velocity of 30 feet per second is also required. During discussions it was indicated that the existing stacks for the EUs were engineered (height and diameter) to meet the stack requirements under the present permit.

### Summary-

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No compliance issues were noted during the most recent compliance inspection. sgl

NAME Sharon CoBicore

DATE 6/24/15

SUPERVISOR C. Blare