United States Environmental Protection Agency
Region V
POLLUTION REPORT

Date: Monday, October 22, 2012
From: Brian Kelly

Subject: Dearborn Refining PRP
3901 Wyoming Avenue, Dearborn, MI
Latitude: 42.3164000
Longitude: -83.1567000

POLREP No.:	7	**Site #:**	B5E7
Reporting Period:	11/7/2011-8/3/2012	**D.O. #:**	
Start Date:	8/27/2007	**Response Authority:**	CERCLA
Mob Date:	8/27/2007	**Response Type:**	Time-Critical
Demob Date:		**NPL Status:**	Non NPL
Completion Date:		**Incident Category:**	Removal Action
CERCLIS ID #:	MI0 005 510 805	**Contract #**	EP-S5-09-05
RCRIS ID #:			

Site Description
See POLREP #1 for a full Site Description.

Current Activities
The demolition of site buildings and removal of waste materials has been completed. Pits, trenches, AST's, and truck wells were pumped of their liquids into a vacuum truck for disposal. Approximately 1500 gallons of water, oil, and sludge were collected. Asbestos abatement removed insulating pipe wrap, fire doors, window glazing, roofing material, and furnace/boiler brick and insulation. Buildings on site containing asbestos material included an office building, blending room/laboratory, boiler house, and a furnace building. After asbestos containing material was removed, all buildings and structures were demolished and the debris trucked offsite to a local landfill. Scrap steel was segregated from the building debris and stockpiled for recycling. Cleaned above ground storage tanks, piping, and boiler and furnace hardware were also recovered and stored for eventual scrap metal recycling. The remaining concrete and asphalt parking areas, truck wells, and building floor or support structures were left in place, but fractured to allow permeability of precipitation.

Construction of a capping clay layer was completed. The clay was imported to the site by truck from a local source, graded and contoured to allow for draining and runoff of precipitation to a retention area, which is located at the southeast corner of the site. The constructed clay cap is the final substrate for an impermeable liner layer. Each load of clay was push into position using a bull-dozer, then compacted using a "sheep's-foot" and vibratory roller. Compaction testing of the clay cap was completed throughout the site to 95% clay-compaction (or greater) as each 1-foot lift of clay was put into place. Periodic grade check by survey teams checked that the cap and liner installation occurred as designed.

The 40mil high density polyethylene (HDPE) liner, geo-textile fabric, and 12-18" gravel layer were installed. Topsoil fill material was applied along the perimeter of the site, between the gravel mat and the fence line. The topsoil was graded to provide a slope and transition from the gravel mat to the property line. The topsoil fill was also used to construct and shape the retention area in the southeast corner of the site. Shortly after, grass seed was spread across all areas containing topsoil to prevent erosion. A fence contractor installed a new perimeter site fence, securing the site and preventing trespass.

Planned Removal Actions
- Drill and install 36 extraction wells in the southwest corner of the site
- Install gas probes along the site perimeter
- Install monitoring wells in the adjacent property south of the site
- Install the Multi-Phase Extraction (MPE) system and associated piping
- Run electric power to the site
- Begin running the MPE system

Next Steps

- Complete installation of a multi-phase extraction system to remove free product from the site subsurface
- Maintenance of the product recovery system
- Transition from CERCLA to RCRA lead

Disposition of Wastes

Waste Stream	Quantity	Manifest #	Disposal Facility
PCB-contaminated Soil	62.86 tons	009064761JJK	Wayne Disposal, Inc., Belleville, MI
PCB-contaminated Soil	53.12 tons	009064762JJK	Wayne Disposal, Inc., Belleville, MI
PCB-contaminated Soil	44.08 tons	009064763JJK	Wayne Disposal, Inc., Belleville, MI
PCB-contaminated Soil	42.54 tons	009064764JJK	Wayne Disposal, Inc., Belleville, MI
PCB-contaminated Soil	46.95 tons	009064765JJK	Wayne Disposal, Inc., Belleville, MI
PCB-contaminated Soil	63.96 tons	009064760JJK	Wayne Disposal, Inc., Belleville, MI
PCB-contaminated Soil	46.18 tons	009064756JJK	Wayne Disposal, Inc., Belleville, MI