

US EPA ARCHIVE DOCUMENT



Chris M. Aneiros  
Cincinnati Facility  
Site Manager

**Chevron Environmental  
Management Company**  
5000 State Route 128  
Cleveland, OH 45002  
Tel 513-353-1323  
Fax 513-353-4664

April 13, 2010

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. Christopher Black  
USEPA Region 5  
Corrective Action Section 2  
Remediation and Reuse Branch, LU-9J  
77 West Jackson Boulevard  
Chicago, IL 60604-3590

**Re: 1<sup>st</sup> Quarter 2010 Progress Report, Chevron Cincinnati Facility**

Dear Mr. Black:

Chevron is submitting this quarterly progress report in accordance with Section 19.b of the November 2006 Administrative Order on Consent (AOC), covering the time period from January 1, 2010 to March 31, 2010. The progress and status of the various activities performed for this time period are presented herein.

1. Chevron sent the following correspondence to the USEPA in the 1<sup>st</sup> quarter of 2010:
  - A letter dated January 8, 2010 providing Updates to the Subsurface Assessment Adjacent to MW-96 Results Summary, Chevron Cincinnati Facility, Hooven, Ohio.
  - A letter dated January 15, 2010 presenting the Administrative Order on Consent 4<sup>th</sup> Quarter 2009 Progress Report.
  - A letter dated January 27, 2010 regarding the October through December 2009 Quarterly Report for the Permit to Install and Operate Source P010 – Hooven Horizontal Soil Vapor Extraction System, Chevron Cincinnati Facility, Hooven, Ohio.
  - A letter dated February 10, 2010 presenting a copy of the 2009 Annual Permit Evaluation Report (PER) for Permit to Install and Operate Sources P010 and T018, Chevron Cincinnati Facility, Hooven, Ohio.
  - A report dated February 11, 2010 titled “2009 Annual Groundwater Monitoring Report, RCRA Land Treatment Unit, Chevron Cincinnati Facility, Hooven, Ohio, Facility I.D. OHD004254132.”
  - A letter dated February 15, 2010 presenting the Summary of Horizontal Soil Vapor System

Radius of Influence, Chevron Cincinnati Facility, Hooven, Ohio

- An Email dated January 8, 2010 summarizing the December 2009 Southwest Quad Analytical Results.
  - Emails dated February 16 and March 8, 2010 summarizing Hooven Soil Vapor Extraction System radius of influence data and providing updates to previously transmitted figures.
  - Emails dated March 5 and 15, 2010 summarizing proposed supplemental criteria for the startup of the Hooven Soil Vapor Extraction System.
2. The USEPA sent the following correspondence to Chevron in the 1<sup>st</sup> quarter of 2010:
    - A letter dated March 3, 2010 with comments on the Subsurface Assessment Adjacent to MW-96 Results Summary, Chevron Cincinnati Facility, Hooven, Ohio.
    - A letter dated March 4, 2010 providing approval with comments on the Workplan for Contingency Measures in the Southwest Quadrant, Chevron Cincinnati Facility, Hooven, Ohio.
  3. As described in a previous quarterly report, the Gulf Park Bank Stabilization project began on October 1, 2009 with the construction of the northern barrier wall. Construction efforts on the northern wall were completed by October 27, 2009. Access had still not been obtained on adjoining private property needed to construct the southern portion of the remedy during the 1<sup>st</sup> quarter of 2010. The groundwater monitoring network associated with the northern wall was completed on March 23, 2010 with the installation of wells located on the inboard and river side of the wall.
  4. The following monitoring activities/field investigations were conducted in the 1<sup>st</sup> quarter of 2010:
    - Quarterly sampling of the sentinel and POC wells in the southwest quad.
    - Monthly sampling of select southwest quad wells (MW-120, MW-133, MW-35, MW-138 through MW-140, and MW-142).
    - Bi-monthly groundwater gauging.
    - Quarterly sampling of the main site barrier wall groundwater monitoring network.
  5. The Gulf Park Bioventing system was shut down on March 1, 2010 to begin respirometry testing. The testing was concluded on March 10, 2010. The system has remained off for the remainder of the reporting period due to groundwater levels above the operation trigger elevation.
  6. Wells PROD\_15 and PROD\_24 utilization as hydraulic gradient control was suspended on March 9, 2009 following your approval of the Workplan for Contingency Measures in the Southwest Quadrant. The Granulated Activated Carbon (GAC) unit was placed in standby mode until further groundwater treatment in necessary.

### Planned Activities – 2<sup>nd</sup> Quarter 2010

1. The following monitoring and fieldwork activities are planned:
  - Gulf Park systems trigger level monitoring.
  - Bi-monthly groundwater monitoring.
  - Quarterly groundwater monitoring of the main-site barrier wall monitoring wells.
  - Quarterly groundwater monitoring of the southwest quad monitoring wells.
  - Monthly groundwater monitoring of select southwest quad monitoring wells.
  - Annual groundwater monitoring of the Gulf Park barrier wall monitoring wells.
  - Semiannual groundwater monitoring of the site, southwest quad, and Gulf Park monitoring wells.
  - Rehabilitation of PROD\_24, and the installation of an inflatable packer assembly in PROD\_19.
  - Installation of a new production well PROD\_25 in the central plume area of the site, north of existing well PROD\_12.
2. Laboratory analytical data and quality assurance information will continue to be evaluated.

We appreciate your continued engagement on this project. If you have any questions or require any additional information, please contact me at (713) 432-2749 or Doug Lam (Trihydro Corporation) at (513) 353-1323, ext. 23.

Sincerely,



Chris M. Aneiros – Site Manager  
Chevron Cincinnati Facility  
Chevron Environmental Management Company

500-017-013

cc: Harold O'Connell – OEPA