

US EPA ARCHIVE DOCUMENT



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Site Manager

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July 12, 2011

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: 2nd Quarter 2011 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 April 1 to June 30, 2011. The progress and status of the various activities performed for this time period are presented herein.

1. Chevron sent the following correspondence to the United States Environmental Protection Agency (USEPA) in the 2nd quarter of 2011:
 - A letter dated April 11, 2011 presenting the Administrative Order on Consent 1st Quarter 2011 Progress Report.
 - An email with attachments dated April 18, 2011 providing the first quarter 2011 analytical results for the Southwest Quad. The email discussed low level detections of ethylbenzene and xylene that were reported below MCLs at MW-35 and MW-120. Potentiometric surface maps, hydrographs and analytical results were also submitted.
 - An email dated April 28, 2011 providing a soil vapor sample chronology for August and September 2010 in response to an email from Chris Black on April 28, 2011.
 - A phone call on May 24, 2011 discussing the request by a Hooven resident to remove monitoring well MW-126 located on their property and the longevity of sampling the monitoring wells at the proposed southern barrier wall near Gulf Park.
 - A phone call on June 3, 2011 with a follow-up email on June 10, 2011 providing the second quarter 2011 analytical results for the Southwest Quad. The email discussed the low level detection of benzene that was reported above the MCL at MW-131. Potentiometric surface maps, hydrographs and analytical results were also submitted showing that the detection was likely from a secondary source.

- A letter dated June 15, 2011 presenting a second request for a reduction in groundwater sample analysis for monitored natural attenuation parameters at the barrier wall monitoring network.
 - An email with attachment dated June 21, 2011 providing the resample results of monitoring wells MW-131 and MW-37 collected in June in response to the low level detection of benzene that was reported above the MCL at MW-131 during the second quarter 2011 Southwest Quad groundwater sampling event.
2. The USEPA conducted the following activities during the 2nd quarter of 2011:
- A phone call on June 9, 2011 from Chris Black agreeing that groundwater monitoring well MW-126 in Hooven is not sampled as part of the OMM or RIP plan and that adjacent wells are adequate in analyzing the groundwater conditions in this area. Mr. Black agreed that the well could be abandoned. Chevron provided an update to the progress in obtaining property access as needed for installation of the proposed southern barrier wall at Gulf Park.
 - A phone call on June 17, 2011 from Chris Black asking about field activities that were being conducted onsite, in the Southwest Quad, and in Hooven.
3. Other agency correspondence in the 2nd quarter of 2011 included the following:
- A letter from Ohio EPA dated April 7, 2011 approving the Chevron provided Financial Assurance and post-closure cost estimates for the Chevron Cincinnati Facility.
 - An application to Ohio EPA dated June 21, 2011 providing the application for a National Pollutant Discharge Elimination System (NPDES) Permit renewal for the Chevron Cincinnati Facility, Hooven, Ohio.
4. The following monitoring activities/field investigations were conducted in the 2nd quarter of 2011:
- Semiannual monitoring of the ROST transects in the Southwest Quad was conducted on June 13th and 14th.
 - Semiannual groundwater sampling of monitoring wells and lysimeters as stipulated in the OMM Plan was conducted between the months of May and June 2011.
 - Abandonment of groundwater monitoring well MW-126 located at 115 Chidlaw Ave. in Hooven, Ohio was completed on June 17, 2011.
 - Collection of soil samples from the former north tank farm for the purpose of assessing risk for future redevelopment of these parcels at the Chevron Cincinnati Facility was completed in June 2011.
 - Resampling of Southwest Quad sentinel and point of compliance monitoring wells MW-37 and MW-131 was completed on June 1st and 2nd, 2011.
 - Quarterly sampling of select Southwest Quad monitoring wells (MW-35, MW-120, MW-133, MW-138 through MW-140, and MW-142) was completed in May, 2011.
 - Bi-monthly fluid level gauging was performed across the facility, Hooven, Southwest Quad, and Gulf Park on May 31, 2011.

- Quarterly sampling of the main site barrier wall groundwater monitoring network.

Planned Activities – 3rd Quarter 2011

1. The following monitoring and fieldwork activities are planned:

- Quarterly groundwater sampling of select Southwest Quad wells (MW-120, MW-133, MW-35, MW-138 through MW-140, and MW-142).
- Bi-monthly fluid level gauging.
- Gulf Park systems trigger level monitoring and possible startup of the Gulf Park biovent system if trigger elevations are reached.
- Annual groundwater monitoring of the Gulf Park monitoring wells and northern barrier wall monitoring wells.
- Annual groundwater monitoring at the RCRA Land Treatment Unit.
- Annual monitoring of selected nested soil vapor monitoring wells in Hooven and at the main facility.
- Main site trigger level monitoring and possible startup of high-grade and HSVE systems if groundwater trigger elevations are reached.
- Monthly monitoring of selected intervals in nested soil vapor monitoring wells VW-96 and VW-99 when groundwater trigger elevations are reached.
- Begin installation of the southern barrier wall in Gulf Park.
- Laboratory analysis, data management, and validation.

We appreciate your continued engagement on this project. If you have any questions or require any additional information, please contact me at (713) 432-2633 or Matt Mitchell (Trihydro Corporation) at (513) 353-1323, ext. 23.

Sincerely,

W. Blake Hall

Blake Hall – Site Manager
Chevron Cincinnati Facility
Chevron Environmental Management Company

500-017-014

cc: Harold O'Connell – OEPA