

US EPA ARCHIVE DOCUMENT



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July 9, 2013

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: Second Quarter 2013 Progress Report, Chevron Cincinnati Facility

Dear Mr. Black:

Chevron Environmental Management Company (Chevron) is submitting this quarterly progress report in accordance with Section 19.b of the November 2006 Administrative Order on Consent (AOC), for the time period from April 1 to June 30, 2013. 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 second quarter of 2013:
 - A letter dated April 11, 2013 presenting the *First Quarter 2013 AOC Progress Report*.
 - An email dated April 12, 2013 transmitting a summary of the March 26, 2013 meeting with the USEPA Region 5 regarding the progress of groundwater corrective measures at the former Gulf Refinery located in Hooven, Ohio.
 - An email dated May 7, 2013 transmitting Chevron's response to USEPA comments regarding the Barge Terminal and the Northern Parcels Human Health Risk Assessments.
 - An email dated May 10, 2013 providing notice to the USEPA regarding rehabilitation of the Horizontal Soil Vapor Extraction (HSVE) lines that occurred during the week of May 20, 2013.
 - A conference call between Chevron and the USEPA on June 20, 2013 to discuss Chevron's response to the USEPA comments regarding the human health risk assessments submitted for the Barge Terminal and Northern Parcels of the former refinery.
 - A report dated June 27, 2013 presenting the *Second 2012 Semiannual Monitoring Report, Chevron Cincinnati Facility, Hooven, Ohio*.

2. The USEPA sent the following correspondence to Chevron during the second quarter of 2013.
 - An email dated April 8, 2013 providing comments regarding the Human Health Risk Assessments for the Barge Terminal and the Northern Parcels of the former Gulf Refinery.
 - An email on May 30, 2013 to schedule a conference call to discuss Chevron's response to USEPA comments regarding the human health risk assessments submitted for the Barge Terminal and Northern Parcels of the former refinery.

3. The following monitoring and assessment activities were conducted in the second quarter of 2013:
 - Baseline monitoring and initiation of the Gulf Park bioventing system was completed on June 3, 2013, once groundwater trigger elevations were achieved.
 - Re-sampling of the Southwest Quad sentinel and point of compliance monitoring wells MW-131 and MW-37 due to a detection of arsenic in well MW-131 above the USEPA maximum contaminant level was performed on April 12, 2013.
 - Annual groundwater monitoring of the barrier wall monitoring network installed on the former refinery was conducted in April 2013.
 - Retrieval of pressure transducer measurements was completed on May 3, 2013.
 - Bi-monthly fluid level gauging was performed across the facility, Hooven, Southwest Quad, and Gulf Park on May 30, 2013.
 - Weekly high-grade, HSVE, and Gulf Park systems trigger level monitoring.
 - Rehabilitation of the HSVE lines extending from the southwest portion of the refinery beneath Ohio State Route 128 and Hooven occurred during the week of May 20, 2013. Rehabilitation activities included pumping a dilute hydrochloric acid solution and potable water into each of the three HSVE lines to remove iron scale and increase air flow.
 - Preparation of the high-grade pumping systems, biologically enhanced granular activated carbon treatment system, and HSVE systems in anticipation of achieving operational groundwater elevation triggers.

Planned Activities – Third Quarter 2013

1. The following monitoring and assessment activities are planned for the third quarter of 2013:
 - Weekly high-grade, HSVE, and Gulf Park biovent system trigger level monitoring and potential startup and monitoring of high-grade and HSVE systems if groundwater trigger elevations are reached.
 - Continued operation and monitoring of the Gulf Park biovent systems.
 - Bi-monthly fluid level gauging within the shallow monitoring network across the former refinery,

Hooven, Southwest Quad, and Gulf Park in July and September 2013.

- Annual monitoring within the Gulf Park groundwater monitoring and barrier wall monitoring networks.
 - Annual groundwater monitoring at the Resource Conservation and Recovery Act (RCRA) Land Treatment Unit.
 - Annual monitoring of selected nested soil vapor monitoring wells in Hooven (consisting of the 5, 10, 15, 20, 30, 40, and 50 ft-bgs intervals in nested soil vapor monitoring wells VW-93, VW-96, VW-99, VW-128, and VW-129).
 - Startup and routine monitoring of the HSVE system and nested wells in Hooven (consisting of monthly monitoring of selected intervals in nested soil vapor monitoring wells VW-96 and VW-99) once trigger elevations have been achieved.
2. Review and validation of the laboratory analytical data, as well as routine reporting associated with implementation of groundwater corrective measures will continue to be conducted as necessary.

We appreciate your continued engagement on this project. If you have any questions or require any additional information, please contact me at (713) 432-2631 or Matt Mitchell (Trihydro Corporation) at (513) 353-1323, ext. 23.

Sincerely,



Gene Choquette – Site Manager
Chevron Cincinnati Facility

cc: Jeffery Stark – Ohio EPA