

US EPA ARCHIVE DOCUMENT



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October 15, 2009

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Christopher Black
U.S. EPA – Region 5
Corrective Action Section
Enforcement and Compliance Assurance Branch
77 West Jackson Blvd. LU-9J
Chicago, IL 60604-3590

Re: 3rd Quarter 2009 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 July 1, 2009 to September 30, 2009. The progress and status of the various activities performed for this time period are presented herein.

1. Chevron sent the following correspondence to the U.S. EPA in the 3rd quarter of 2009:
 - A letter dated July 15, 2009 presenting the Administrative Order on Consent quarterly progress report.
 - Emails dated August 13, September 3 and September 25, 2009 summarizing the southwest quad groundwater monitoring analytical results.
 - An email dated July 21, 2009 presenting vapor barrier construction details for the Presidents Federal Credit Union in the southwest quad.
 - A report dated July 29, 2009 titled “Second 2008 Semiannual Monitoring Report, Chevron Cincinnati Facility, Hooven, Ohio.”
 - A revised report dated August 18, 2009 titled “Soil Vapor Profile Investigation Work Plan for Southwest Quad, Chevron Cincinnati Facility, Hooven, Ohio.”
 - A letter dated August 18, 2009 presenting the response to comments for the “Soil Vapor Profile Investigation Work Plan for Southwest Quad, Chevron Cincinnati Facility, Hooven, Ohio.”
 - A letter dated September 2, 2009 titled “Notification of Inability to Gain Access for Remedy Component Construction and Monitoring, Southern Portion of the Proposed Gulf Park Barrier

Wall, Chevron Cincinnati Facility, Hooven, Ohio.”

- A report dated September 14, 2009 titled “Subsurface Assessment Adjacent to MW-96 Results Summary, Chevron Cincinnati Facility, Hooven, Ohio.”
2. The U.S. EPA sent the following correspondence to Chevron in the 3rd quarter of 2009:
 - A letter dated July 29, 2009 approving with modifications the “Soil Vapor Profile Investigation Work Plan for Southwest Quad, Chevron Cincinnati Facility, Hooven, Ohio.”
 3. Work with developers/owners/permitting agencies continued on issues associated with installing a storm water management system in portions of the southwest quad, and on institutional control issues. Mobilization of the necessary heavy equipment began in mid-September along with excavation and placement of the storm sewer headwall adjacent to the Great Miami River.
 4. On July 17, 2009 Chevron submitted to the U.S. Army Corps of Engineers (USACE) the documentation for a Pre-Construction Notification of the Gulf Park-Great Miami River barrier project. In a letter dated August 20, 2009, the USACE approved the Nationwide Permit Number 38.
 5. The following monitoring activities/field investigations were conducted in the 3rd quarter of 2009:
 - Quarterly sampling of the sentinel and POC wells in the southwest quad.
 - Monthly sampling of select southwest quad wells (MW-133, MW-35, MW-138 through MW-142).
 - Bi-monthly groundwater gauging.
 - Quarterly sampling of the Barrier Wall monitoring well network.
 - A Hooven soil vapor monitoring well sampling event was initiated on September 28, 2009, and completed on October 2.
 6. Seasonal startup of the Gulf Park Bioventing system began on July 7, 2009. It has remained operational for the remainder of the reporting period.
 7. Hi-Grade pumping operations started on August 19, 2009, with the startup of production well PROD_20 and the gradual ramping down of PROD_15 and PROD_24. PROD_20 has been in operation since that date, with the exception of down time due to power failure or maintenance. As of September 30, approximately 172.5 million gallons of water have been processed in the GAC, with 17,640 gallons of product recovered.
 8. The Hooven HSVE system remained shut down, at U.S. EPA’s direction, and will remain offline until it is run in conjunction with the High Grade Pumping event after the EPA Superfund Division completes their last round of soil vapor sampling in Hooven and the southwest quad.

Planned Activities – 4th Quarter 2009

1. The following monitoring and fieldwork activities are planned:
 - Gulf Park systems trigger level monitoring and operation.
 - High Grade operations and monitoring.
 - Bi-monthly groundwater monitoring.
 - Quarterly groundwater monitoring of the sentinel and POC wells.
 - Quarterly groundwater monitoring of the newly installed barrier wall monitoring wells.
 - Quarterly groundwater monitoring of the newly installed southwest quad monitoring wells.
 - Monthly groundwater monitoring of select southwest quad monitoring wells.
 - Barrier wall construction along the Gulf Park river bank.
 - Storm water sewer construction activities along State Hwy. 128 in the southwest quad.
3. Laboratory analytical data and quality assurance information will continue to be evaluated.

We appreciate your continued support and assistance 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

500-017-012

cc: Harold O'Connell – OEPA