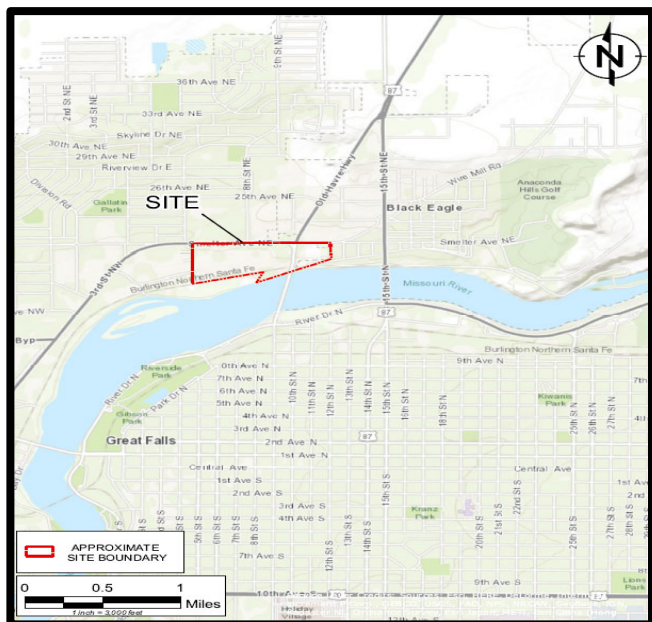


CMR is providing this fact sheet to explain remediation activities at the Site, but it is not a technical document.

Introduction

The purpose of this document is to provide an update to the general public and local residents that live near the Calumet Montana Refinery, LLC (CMR) located at 1900 10th Street N.E. Great Falls, Montana (as shown below). Current status and planned remediation activities at the Site are described in this Fact Sheet.



Site History

The Site has operated as a refinery since 1922 under numerous owner/operators. CMR acquired the refinery in 2012 and currently produce approximately 30,000 barrels a day of various petroleum products. The Site occupies approximately 56-acres on the north side of the Missouri River.

Between 1979 to 1985 a land treatment unit (LTU) was operated at the Site to treat petroleum impacted wastes. The LTU was considered a regulated unit under the Montana Hazardous Waste Act and federal Resource Conservation and Recovery Act (RCRA) and a hazardous waste permit was required.

The facility was issued hazardous waste permit MTHWP-95-02 on September 22, 1995. The permit was issued jointly by the Montana Department of Environmental Quality (MDEQ) and the United States

Environmental Protection Agency (USEPA) and included requirements for post-closure care of the LTU and for facility-wide corrective action.

In September 2012, hazardous waste permit MTHW-95-02 was terminated and a Corrective Action Order on Consent (Order) was issued by MDEQ to oversee the clean-up of the Site.

Corrective Action

As part of the facility-wide corrective action, CMR is required to clean-up contaminated soil and groundwater at the Site. Specific areas have been identified as having contaminated soil and/or groundwater. Recently, CMR with MDEQ's support has completed the following activities in relation to the corrective action:

- From February 2014 to August 2015, approximately 94,400 tons of hazardous and non-hazardous soils were excavated and transported to an off-site disposal area as part of Lead Consolidation Area (LCA) Interim Measure (IM) work activities.
- In October 2018, CMR initiated the lining of a Storm Sewer which transects the center of the refinery to prevent intrusion of petroleum constituents into the storm sewer pipe and prevent migration of petroleum constituents to the Missouri River.
- In March 2019, CMR initiated a two-year quarterly groundwater monitoring effort throughout the Site to document the current impact of petroleum constituents to Site groundwater.
- In April 2019, CMR initiated additional soil and groundwater IM investigative activities of the West Rail Loading Rack and the East Rail Loading Rack. A Rail Investigative Area IM Field Investigation Report was submitted to MDEQ in September 2019.
- In July 2019, CMR initiated a Human Health Risk Assessment (HHRA) for the Old Pondered Area. The HHRA report was submitted to MDEQ in September 2019. The purpose of the HHRA is to determine whether any additional response actions for this area will be necessary.
- In August 2019, at the request of MDEQ, USEPA and their contractor, Hydrogeologic Inc., initiated an

optimization review of the ongoing RCRA corrective action program at the CMR. An Optimization Review Report was issued in April 2020. This report addressed an evaluation of the site's groundwater monitoring system, the Conceptual Site Model (CSM), general recommendations for groundwater remedies potentially applicable to the site, evaluation of site RCRA environmental indicators, and recommendations as to how to proceed with the RCRA Facility Investigation (RFI).

- In October 2019, CMR initiated a pilot test, pre-design investigation, and prepared design plans and specifications for IM corrective actions in two different areas of the Gasoline and Light Oil Loading Rack (Truck Loading Rack) to address historic petroleum releases. These corrective actions will include a dual phase extraction (DPE) trench along the Truck Loading Rack's southern flank and a Light Non-Aqueous Phase Liquid (LNAPL) recovery trench and a passive treatment trench (PTT) along North River Road area.



Future Activities

CMR will conduct the following activities to continue to address corrective actions as part of the Order.

- Continue the two-year quarterly Site-wide groundwater monitoring through June 2021.
- Respond to any MDEQ follow-up direction pertaining to the Rail Investigation Area IM Field Investigation Report.
- Respond to any MDEQ follow-up direction pertaining to the Old Poned Area HHRA.
- Respond to any MDEQ direction to undertake RFI related activities.
- Procure, construct, and start-up the two Truck Loading Rack IM corrective actions during 2021.



Community Involvement

Throughout the IM and upcoming RFI process, CMR will keep the public informed through fact sheets, press releases, meetings and other appropriate activities. CMR will respond to public inquiries regarding questions pertaining to the IM and upcoming RFI process.

Information Repository

An information repository has been established to store publicly available documents related to recent corrective action activities. The Information Repository can be found at www.CMRsite.com/repository.

For More Information

Additional and up to date information for the CMR Site can be found at www.CMRsite.com.

If you have questions or need more information, please contact the following CMR or MDEQ representatives:

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