

Calumet is providing this fact sheet to explain investigation activities at the site, but it is not a technical document.

Introduction

The purpose of this document is to provide an update to the public and residents that live near Calumet Montana Refining, LLC (Calumet) located at 1900 10th Street N.E. Great Falls, Montana (as shown below). A summary of the ongoing Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) activities at the Site are described in this Fact Sheet.



Site History

The site has operated as a refinery since 1922 under numerous owners/operators. 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 RCRA and required a hazardous waste permit.

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. The Order identified a total of 34 Solid Waste Management Units (SWMUs) and Areas of Concern (AOCs). SWMUs are areas

PUBLIC MEETING
Thursday, October 19, 2023

7:00 - 8:30 pm

**C.M. Russell High School
Bill Will Auditorium
228 17th Ave. NW
Great Falls, MT 59404**

where solid wastes were historically placed and AOCs are areas where a release of a hazardous waste occurred (or is suspected to have occurred), which may present an unacceptable risk to the environment and/or human health. SWMUs and AOCs may have been impacted by hazardous wastes, spilled or released products, or other materials handled on-site. Since the Order was issued, additional SWMUs and AOCs have been identified.

Calumet acquired the refinery in 2012 and currently produces approximately 15,000 barrels a day of various petroleum products, in addition to approximately 15,000 barrels a day of renewable diesel from non-petroleum feedstocks on behalf Montana Renewables, LLC. The site occupies approximately 69 acres.

RCRA Facility Investigation

As part of the facility-wide corrective action, Calumet is required to complete an RFI, with the purpose of gathering enough information to characterize the nature and extent of site-related contamination and to assess the risk to human health and the environment that any contamination poses. On March 30, 2022, Calumet received a Letter of Direction from the MDEQ requiring the development and submittal of a RFI Work Plan and a Baseline Risk Assessment (BRA) Work Plan. Technical staff and risk assessors from the MDEQ, USEPA, and Calumet participated in scoping meetings to reach agreement on the RFI strategy and approach. Phase 1 of the RFI will begin this fall, Phase 2 of the RFI will begin in the spring of 2025, and the BRA will begin in the summer of 2025.

A description of the agreed upon RFI strategy and approach is summarized as follows:

- The potential for petroleum impacted groundwater to migrate to the Missouri River will be evaluated along the southern boundary of the site through the installation and sampling of groundwater monitoring wells.
- Sampling to assess the nature and extent of on-site soil and groundwater impact at 33 SWMUs/AOCs and across the site will be conducted. A total of approximately 57 groundwater monitoring wells and 59 soil borings will be installed/drilled and sampled. Additionally, laser-induced fluorescence (LIF) will be advanced at 104 locations across the Site to identify and delineate potential petroleum impact in the subsurface.
- A site-wide groundwater monitoring effort will be conducted to document the current impact of petroleum constituents to site groundwater. Approximately 119 groundwater monitoring wells will be sampled.
- Data collected as part of the investigation will be used to generate a BRA, which will include human health exposure and toxicity assessments as well as ecological exposure and effects assessments.



Community Involvement

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

Calumet will hold a public meeting on Thursday, October 19, 2023, from 7 to 8:30 pm at C.M. Russell High School in the Bill Will Auditorium to present the three-year RFI program. The meeting will provide an opportunity to meet Calumet representatives and to ask questions. We hope you will consider attending.

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

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

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Overall RFI Objectives

The target objectives of the RFI activities are:

- Further define and/or identify the spatial distribution and magnitude of subsurface impacts;
- Potentially identify additional unknown areas of impact;
- Evaluate the potential for off-site migration;
- Characterize site-wide environmental conditions, and;
- Support the site-wide baseline human health and ecological risk assessments.