




Operations & Maintenance Plan

Tar Creek Oil Spill

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UNIFIED COMMAND APPROVAL

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for receipt only

1.0 Introduction

This plan was prepared at the request of the Unified Command (UC) for the Tar Creek Oil Spill as part of the response and long term remediation. The purpose of this Operations and Maintenance (O&M) Plan is to describe the techniques and resources to be used in remediation; to describe the monitoring and reporting requirements; and to describe the change in requirements as allowed by the UC. The nature of the discharge, movement, and collection of contaminant from the Tar Creek Oil Spill will change with time and season.

Therefore, this O&M Plan is subject to an adaptive management strategy as approved by the UC. This will allow UC the ability to adapt to changing conditions as the seasonal weather conditions change. United States Environmental Services (USES) will be the contractor for operations and maintenance.

2.0 Reporting

The contractor will designate a field supervisor that will be responsible for documenting operations and maintenance in each Division at each monitoring event. The field supervisor and Pipeline Oil and Gas representative will collect data from maintenance activities, and this data will be compiled into a report. The report will be submitted to UC for review. UC will collectively determine the appropriate time to change the frequency of O&M activities, monitoring and reporting. The UC may use its discretion to keep a specific Division in a higher frequency O&M stage as needed.

2.1 O&M Records

The field supervisor will notify UC and Pipeline Oil and Gas representative prior to scheduled site visits. The field supervisor and Pipeline Oil and Gas representative will be responsible for recording the following information during routine site visits of the O&M phase. This information will be documented and compiled in a report which will be submitted for UC approval.

- Date
- Time
- Division
- Specific areas within each Division
- Actions and maintenance operations performed in each Division
- Before and after photos of any maintenance operations performed
- Disposal manifest for waste removed

2.2 Reporting to UC

USES will be responsible for compiling records of O&M activities into a report with before and after photos. This report will be submitted to UC within 48 hours of scheduled maintenance activities.

ARRAY Operating will coordinate with the contractor about planned monitoring events and make site visits simultaneously with the field supervisor.

3.0 Operations & Maintenance

The following information details the activities that will take place during the O&M phase. The frequency of these activities will change with time, but changes in frequency will be determined by UC. Currently, no mechanical recovery is anticipated for O&M activities.

3.1 Personnel:

- 1 Supervisor and crew to be determined as needed
- Crews will assess all divisions and perform maintenance as required
- Supervisor will provide support and direction to the crews and document maintenance activities.
- Following each scheduled monitoring event or prior to scheduled event, the need for manpower will be determined by the supervisor.

3.2 Materials and Equipment:

- Required PPE
- Containment Boom
- Sock Booms
- Snares
- Absorbent Pads
- Bags
- Oil Absorbent
- Hand Tools
- Trucks
- Trailers
- UTVs

3.3 Staging Areas and Access

- 1 roll-off box will be staged at the designated staging area for waste storage.
- UTVs will be on site as needed to aid in waste removal in difficult to reach areas.

3.4 Waste Removal and Disposal

- Impacted solid waste will be disposed of at Nature's Way Landfill located in Fayette MS.
- Waste manifests will be kept for records of disposal.
- The solid waste will be stockpiled in the roll-off box on site until disposal is needed.

3.5 Monitoring Frequency

- During initial O&M, all division will be monitored daily for one week.
- After initial O&M, all divisions will be monitored weekly for two months or until no longer needed.
- O&M operations will occur after a ½ inch rain event. After three ½ inch rain events, UC will determine frequency thereafter.
- Monitoring events will continue until UC determines that the level of contamination no longer requires scheduled monitoring.
- Periodic monitoring may continue as directed by the UC following specified events.

4.1 Division Specific Activities

The following collection points (see map) within Divisions A, B, and C will require specific activities that pertain to the terrain and the level of contamination. These specific activities and collection points may be subject to change as O&M progresses. The change in seasons and weather may constitute the need for more or less Division specific activities.

4.2 Division A

- Area inside of secondary containment will be evaluated by UC as needed.

4.3 Division B

- Under flow weir will be installed on either side of the culvert located under a private road just downstream of the spill origin.
- One boom set (see map).
- Absorbent fencing to be placed throughout Division B (see map).

4.4 Division C

- One boom set (see map).
- Absorbent fencing to be placed throughout Division C (see map).

5.0 General Activities

- Oil absorbent materials will be used as needed throughout all Divisions.
- Oil absorbents will be applied to predetermined area and areas that show new signs of leaching.

6.0 Health and Safety

All activities during the O&M Phase will be conducted following the Site Safety and Health Plan. Daily tailgate safety meetings will be held prior to commencing work.

7.0 Site Map