

# Silver Dyke Adit and Drainage Site

## ERRS Operations Plan

Work Order for Ops Period 10

September 18-24, 2023

Site Website: [https://response.epa.gov/site/site\\_profile.aspx?site\\_id=16089](https://response.epa.gov/site/site_profile.aspx?site_id=16089)

Open and honest team discussions that involve EVERYONE are critical to understanding hazards, mitigating risks, preventing accidents, and ensuring a successful response.

### Site Safety and Security is the Top Priority

- Always watch out for yourself and the coworkers/public around you.
- Always protect yourself, coworkers and public from exposure to contaminants.
- Prevent contamination from spreading beyond work area.
- Discuss site conditions daily.
- Conduct daily safety checks on equipment and general site conditions.
- Remove, mark or remedy hazards when you see them. Notify OSC/RM of all hazards.

### Site Objectives and Schedule

Silver Dyke Emergency Response Schedule - Updated 9/17/2023		1	2	3	4	5	6	7	8	9	10	11
		Jul 13-23	Jul 24-30	Jul 31-Aug 6	Aug 7-13	Aug 14-20	Aug 21-27	Aug 28-Sep 3	Sep 4-10	Sep 11-17	Sep 18-24	Sep 25-Oct 1
<b>Objective 1: Improve water management and erosion control.</b>												
a. Divert water away from the drainage above the adit.	Complete											
b. Stabilize the slope above the adit to support construction.	Complete											
c. Complete stabilization of the slope above the adit.	Complete											
d. Upgrade the bridge/water crossing at Carpenter Creek.	In-Progress											
e. Restore disturbed areas.	Not Started											
f. Repair the toe of the two large fluvial tailings ponds.	Not Started											
<b>Objective 2: Open and stabilize the Silver Dyke Adit.</b>												
a. Prep the "Glory Hole" to receive waste.	Complete											
b. Remove waste rock from below the adit to the Glory Hole.	Complete											
c. Construct containment ponds below the adit.	Complete											
d. Provide a stable flow channel for the adit drainage.	Complete											
e. Conduct geophysical surveys.	Complete											
f. Prep drill site above the adit.	Complete											
g. Drill into and drain the adit.	Complete											
h. Remove material blocking the adit to the Glory Hole.	In-Progress											
i. Install structure to keep the adit open.	Not Started											
j. Remove containment ponds.	In-Progress											

### Site Tasking and Progress Reports

OSC will establish Operational Periods and provide authorized activities and resources. At the end of each Operations Period, ERRS will generate a summary of activities accomplished, deviations from the authorized activities and resources, and an inventory of equipment/personnel utilized each day. The equipment utilization inventory must include an indication of equipment that is working/available for use each day.

## Activities Authorized/Anticipated by OSC for Ops Period #10

1. Upgrade the bridge/water crossing at Carpenter Creek.
  - a. Establish temporary crossing.
  - b. Relocate phone line.
  - c. Remove old bridge and install new culvert crossing.
  - d. Remove temporary crossing.
2. Remove material blocking the adit to the Glory Hole (if possible).
  - a. Existing information and approach to excavation indicates that this activity is not possible before winter conditions begin.
  - b. It may be possible to locate adit.
  - c. Incoming OSC will provide assess conditions with fresh perspective on 9-19-2023 and make final decision.
3. Remove containment ponds.
  - a. Remove liners and knock down berms so that they do not hold water.
  - b. Stockpile berm material in nearby areas to extent practical.
  - c. Regrade areas below adit, install erosion control structures and prepare for seeding.
4. Other Site management tasks.
  - a. Continue road management and erosion control work.

## Personnel Authorized by OSC

Resource	#	Notes
Program Manager	1	Off-site, part time as needed
Safety Officer	1	Off-site, part time as needed
Response Manager	1	
Field Cost Admin	1	
Equipment Operator	3	
Laborers	2	May be billed as Operators as needed.

## Major Equipment Authorized by OSC

Resource	#	Notes
Excavator w/ thumb	2	
Front End Loader	1	
Skid Steer	1	
Dozer	1	
Haul Truck	1	
Porta-Potties	4	
Generator	1	
Pick-up Trucks	2	
Stake Bed Truck	2	
Fuel Storage Tank	1	
SUV	1	
Storage Trailer	1	

## Signatures

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EPA On Scene Coordinator

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ERRS Response Manager