

# Silver Dyke Adit and Drainage Site

## ERRS Operations Plan

Work Order for Ops Period 12

October 2-8, 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 10/01/2023		1	2	3	4	5	6	7	8	9	10	11	12
		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	Oct 2-8
<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.	Complete												
c. Complete stabilization of the slope above the adit.	Complete												
d. Upgrade the bridge/water crossing at Carpenter Creek.	Complete												
e. Restore disturbed areas.	In-Progress												
f. Repair the toe of the two large fluvial tailings ponds.	In-Progress												
<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.	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.	Not Started												
i. Install structure to keep the adit open.	Not Started												
j. Remove containment ponds.	Complete												

### 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 #12

1. Restore disturbed areas.
  - a. Use compacted road base to create a finished grade on the Carpenter Creek Crossing.
  - b. Complete rock work and drainage around wellhead and location of former lower pond.
  - c. Complete grading and drainage around Glory Hole.
  - d. Complete construction of erosion control features and seeding of disturbed areas.
2. Repair the toe of the fluvial tailings deposits.
  - a. Use hay bales to stabilize locations as determined by the OSC.
3. "In Town" Activities.
  - a. Remove old Obrien Street bridge.
4. Complete demobilization of all personnel and equipment.

### 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	2	
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	
Porta-Potties	4	
Generator	1	
Pick-up Trucks	1	
Stake Bed Truck	2	
SUV	1	
Storage Trailer	1	

### Signatures

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EPA On Scene Coordinator

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ERRS Response Manager