

Silver Dyke Adit and Drainage Site

ERRS Operations Plan

Work Order for Ops Period 05

August 14 to 20, 2023

Site Website: 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 8/13/2023		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
Objective 1: Improve water management and erosion control.												
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.	In-Progress											
d. Upgrade the bridge/water crossing at Carpenter Creek.	Not Started											
e. Restore disturbed areas.	Not Started											
Objective 2: Open and stabilize the Silver Dyke Adit.												
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.	In-Progress											
d. Provide a stable flow channel for the adit drainage.	In-Progress											
e. Conduct geophysical surveys.	In-Progress											
f. Prep drill site above the adit.	Not Started											
g. Drill into and drain the adit.	Not Started											
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.	Not Started											

To be considered: Repair the toe of the two large fluvial tailings ponds along Carpenter Creek.

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 #5

1. Continue to stabilize slope above the adit.
 - a. Cap waste rock.
 - b. Cut an additional drainage bench.
 - c. Fill existing drainage, drain away from adit.
2. Construct containment ponds below the adit.
 - a. Complete lower pond below road.
 - b. Initiate upper pond above road.
3. Provide a stable flow channel for the adit drainage.
 - a. Use harvested rock.
 - b. Establish fall(s) to break velocity below the road.
4. Support geophysics investigation to be conducted by START.
5. Other Site management tasks.
 - a. Continue road improvement and erosion control work.
 - b. Continue to harvest rock for use on drainage controls.

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	4	
Laborers	2	May be billed as Operators.
Truck Driver	1	To be billed as Operators when driving Haul Trucks.

Equipment Authorized by OSC

Resource	#	Notes
Excavator w/ thumb	2	
Front End Loader	1	
Skid Steer	1	
Dozer	1	
Haul Truck	2	Demobilize 3 rd haul truck this Ops Period.
Porta-Potties	4	
Generator	1	
Pick-up Trucks	2	
Stake Bed Truck	2	
Fuel Storage Tank	1	
SUV	1	
Storage Trailer	1	

Signatures

EPA On Scene Coordinator

ERRS Response Manager