

Callahan Mine Superfund Site

Monthly Update

July 2022



The United States Environmental Protection Agency (EPA) and Maine Department of Environmental Protection (MEDEP) continue their efforts to complete the remediation and cleanup of the Callahan Mine Superfund Site in Brooksville, ME. The United States Army Corps of Engineers (USACE) is providing contract, technical, and administrative support for the work being performed by Environmental Quality Management, Inc. (EQM) and their subcontractor Tetra Tech EC, Inc. (wholly referred to in this document as the EQM Team). Current efforts focus on completing stabilization and closure of Waste Rock Pile #3 (WRP#3).

The EQM Team completed engineering technical support and site investigation fieldwork during 2018 and 2019 to enhance the OU3 Final Remedial Design for remediation of the 17-acre Tailings Impoundment. Onsite construction activities in 2020 stabilized the rock Tailing Dam and Impoundment and included: construction of a toe buttress and access road along the east and south side of the impoundment; lowering the crest of the rock Tailings Dam 20-feet; excavation/regrading of tailings to shape the impoundment surface for the final cover system; and installation of the cover system surface drainage controls. Construction completed in 2021 included: crushing/processing of onsite rock material for the final cover system; installation of a multi-layered cover system on the stabilized Tailings Impoundment; and the Phase One of the stabilization activities for the Stink Cove Sediment and Waste Rock Pile #3 (WRP#3). During 2022, planned construction activities include: WRP#3 stabilization/closure (Phase 2); construction of the Stink Cove Sediment repository; site restoration of three designated areas; and, initiation of Sediment Remedy activities for the Dyer Cove, Goose Cove, Goose Pond, and the Salt Marsh areas.

Major Activities During July 2022:

- Continued inspection/repair/maintenance of the processing/staging areas, interim stormwater drainage/erosion controls, and onsite haul roads.
- Continued/Completed Stink Cove Sediment excavation activities.
- Continued WRP#3 rock excavation and relocation.
- Continued to amend Stink Cove sediment and import/stage granular soil amendment material.
- Continued rock downsizing/crushing operations.

Major Activities Anticipated for Aug 2022:

- Continue inspection/repair/maintenance of processing/stages areas, interim stormwater drainage/erosion controls, and onsite haul roads.
- Continue Phase 2 WRP#3 stabilization/closure activities.
- Continue to amend Stink Cove sediment and import/stage soil amendment material, if needed.
- Continue WRP#3 rock excavation and relocation.
- Continue rock crushing operations.

Overview of General Work Activities

- Maintained site and project administrative, management, and technical support functions.
- Implemented Accident Prevention & Site Health and Safety plans according to USACE EM 385-1 guidelines.
- Performed construction QC inspection/testing according to plan using the USACE 3-Phase Inspection process.
- Monitored and controlled effectiveness of dust control measures.
- Continued geotechnical monitoring and reporting activities.
- Repaired/maintained/upgraded the stormwater erosion/sediment controls.
- Continued photo documentation of the remedial construction activities.
- Prepared/submitted daily construction progress, production, and QC reports.
- Continued providing engineering technical support for ongoing and future site remediation activities.

Routine Inspection, Maintenance, and Repair Activities

- Inspected the erosion/sediment controls associated with all work areas.
- Maintained the haul roads and erosion/sediment controls.

WRP#3 Excavation and Relocation Tasks Work Performed

- Continued excavation and hauling of WRP#3 to Stink Cove; 47,445 CYs excavated and placed to date.
- Continued downsizing of large rock to <24" and relocation to designated onsite storage area.



Photo 1 (group). Excavating, hauling, and downsizing oversized rock at WRP#3.

Soil Amendment and Restoration Tasks

- Soil amendment processing and stockpiling.
- Importing and stockpiling soil amendment material to supplement available onsite materials.
- Began on-site rock crushing/processing at WRP#1.
- Continued hauling to the three designated site restoration areas.

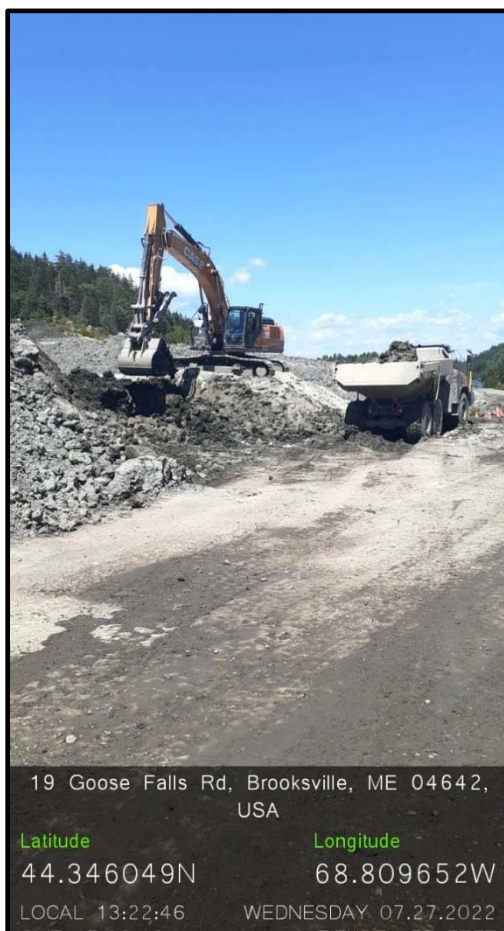


Photo 2 (group). View of loading amended soil and rock processing operation.

Excavation of Stink Cove Sediment Work Performed	
•	Continued excavation of Stink Cove Sediment repository; 55,305 CYs.
•	Maintained Stink Cove access/haul roads and working platform.
•	Continued backfilling Stink Cove excavation with WRP 3# rock in 3" lifts, each lift compacted with 84" smooth drum roller.

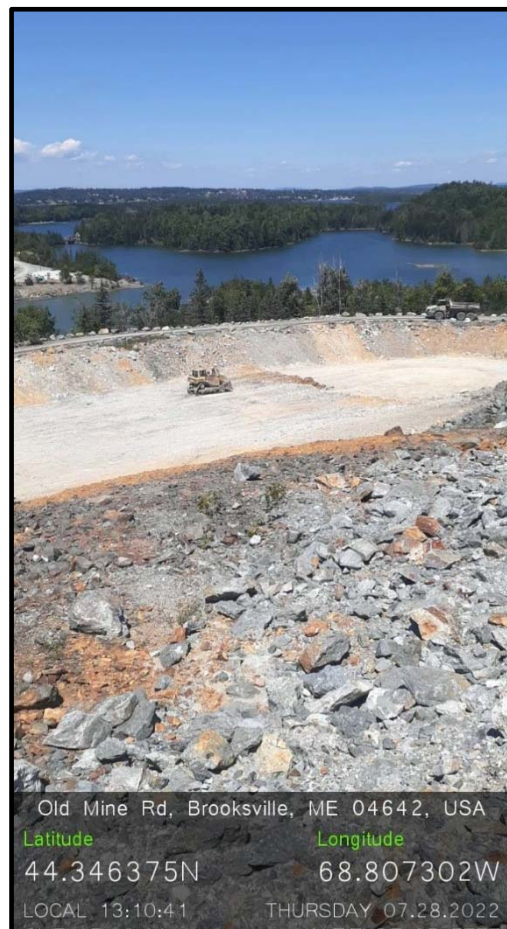


Photo 3 (group). View of the Stink Cove Sediment excavation area/repository.

If you have any questions, concerns, or comments, please contact Edward Hathaway of USEPA at hathaway.ed@epa.gov. Additional information regarding the Callahan Mine Superfund Site can be found at the EPA Callahan Mine website: www.epa.gov/superfund/callahan.

