



PACIFIC MINE RECLAMATION STAGE 1 WORK PLAN – INITIATE ACTION AT PACIFIC

Funding for the Pacific Mine reclamation project is currently inadequate to complete all the proposed mine reclamation and repository construction. Congress has earmarked \$50,000 in the FY 2005 appropriations in a USDA, National Resource Conservation Service, Utah Conservation Initiative Earmark, to initiate removal actions at Pacific Mine in American Fork Canyon, Utah. In a good faith effort to utilize these available funds and show accomplishments at the site, the project will be completed in stages. An Administrative Order on Consent (AOC) issued by the Environmental Protection Agency (EPA) to Trout Unlimited, Inc. (TU) authorizes the following work to be performed under Stage 1 upon approval of this Work Plan by EPA, pending completion of other enabling documents listed in the AOC.

The intent of this Work Plan is to identify the tasks that will take place under Stage 1 of this multi-year project. The actions to be implemented with the FY 2005 funds will maximize the accomplishments that can be achieved while minimizing the disturbance to on-site mine waste materials containing elevated levels of heavy metals. This approach incrementally reduces the potential releases of contaminated materials from this site to the adjacent environment, including the North Fork of American Fork River, and reduces the potential of human exposure to contaminated materials. Completion of the Removal Action will occur upon receipt of sufficient funds to consolidate the mine and mill waste materials in the vicinity of Pacific Mine for containment in a permanent repository under a separate AOC and work plan for Stage 2.

TU will enlist owner/operator rental equipment to complete the work as outlined herein. All operations will be under the direct supervision of TU's Project Coordinator, Ted Fitzgerald. The objective of this first construction stage is to:

1. Relocate the Miller Hill Access Road from off the top of the waste rock pile at Pacific Mine.
2. Open the borrow area on privately owned lands to obtain needed road construction materials and future soil capping materials for the repository.
3. Improve access to the Blue Rock Mine waste rock pile to be removed and placed in the repository under Stage 2.
4. Limit vehicular access to the previously reclaimed Pacific Mill Tailings Pond on National Forest System lands, and to the existing waste rock piles at Pacific Mine and Blue Rock Mine, by installing barriers and signs at access points to these areas.

It is anticipated that this work can be completed in approximately 15 working days utilizing an excavator (trackhoe), a dump truck (10 cubic yard capacity), and two laborers provided by Trout Unlimited. A break down of the individual tasks follows in sequence of how the work will be implemented.

MOBILIZE EQUIPMENT, MATERIALS, AND WORKFORCE

TIME REQUIRED

Trackhoe Excavator
Dump Truck (Arrives at Beginning of Second Week of Work)
Support Truck with Fueling Capabilities for Other Equipment
Bring In Materials; Silt Fences, Straw Bales, Culverts, Tools, Etc.

Day 1

PREPARE SITE FOR ROAD RELOCATION

Remove Section of Guardrail Barrier to Gain Access to Work Area
Trackhoe Begins Stripping and Stockpiling Topsoil at Borrow Area
Install Erosion Control Devices – Silt Fences and Straw Bales
Trackhoe Removes “Float Waste Rock” from Road Corridor
Dig Shallow Pits to Evaluate Subsurface Soils at Dry Aluminum Seep
Clear Trees and Brush from Roadway Footprint – Deck Trees
Construct Shallow Retention Pond for Future Aluminum Seeps and
Channel To Direct Outflow to Oxidation Ponds
Install Culvert Where New Road Crosses Mine Drainage Channel
Erect Temporary Vehicle Barrier At Guardrail Barrier Opening
Trackhoe in Borrow Area Removing Topsoil, Stockpiling Borrow

Day 2

Day 3

Day 4

Day 5

CONSTRUCT NEW ROAD SEGMENT BELOW WASTE ROCK PILE

Haul Borrow to Road Location, Construct Road Prism
Laborers Disassemble Guardrail From Posts on NFS Lands
Truck Leaves Project After Road Construction is Completed

Days 6-10

Day 10

INSTALL VEHICLE BARRIERS ON BOTH SIDES OF ROAD

Salvage Guardrail Barrier and Relocate Below New Road Alignment
Use Trackhoe to Pull Posts and Reset Guardrail Posts Along Toe of Fill
Laborers Install Silt Fences Between Road and Waste Rock Pile
Construct Temporary Barbed Wire Fence At Toe of Waste Rock Pile

Days 11-12

Days 13-14

IMPROVE AND WIDEN ROAD TO BLUE ROCK MINE

Trackhoe Removes Trees and Widens Road to Blue Rock Waste Pile
Trackhoe Dresses Disturbed Areas Then Exits Project Site
Laborers Construct Temporary Barbed Wire Fence On Blue Rock Road
Laborers Construct Silt Fence Around Topsoil Stockpile (Borrow Area)
Install Signs Alerting Public to Project Objectives and Site Restrictions

Days 13-14

Day 15

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APPENDIX 3