

PACIFIC MINE RECLAMATION
Site Tour - October 20, 2004

SDMS Document ID



1033548

PARTICIPANTS ANTICIPATED:

EPA Pcte Stevenson, On-Scene Coordinator

FS John Hendrix, Recreation Manager, Pleasant Grove Ranger District
~~Reese Pope, Ecosystem Group Leader, Supervisor's Office~~
Maggie Manderbach, CERCLA/RCRA Program Manager, Regional Office

UDERR Phillip Greer, Environmental Scientist
~~Brent Everett, Voluntary Cleanup Program Manager~~

NRCS Dave Hanson, District Conservationist
~~Cindy Burton, Range Conservationist~~
Anthony Steinfeld

SNOWBIRD Jim Baker, Infrastructure Superintendent
~~Marty Banks, Attorney~~

TROUT UNLIMITED Ted Fitzgerald, AFC Home Rivers Project Manager

AGENDA:

- 9:30 Participants Meet at Tibble Fork Reservoir - Introductions
- 10:00 Arrive at Forest Service Repository - Discuss Pros and Cons
- 10:30 Review Reclamation Techniques at FS Stockpile Area
- 10:45 View Scotchman #2 Mine Waste Rock Pile
- 11:00 Review Reclaimed Pacific Mill Tailings Pond
- 11:30 Discussion and Inspection of Pacific Reclamation/Repository
- 12:15 Lunch
- 12:45 Discuss Mill Site, Blue Rock Waste Rock Pile, and Borrow Site
- Some Participants Leave Tour
- 1:30 Stop at Miller Hill Tunnel and Borrow Area
- 1:45 Travel to Live Yankee In Mary Ellen Gulch
- 2:30 Discuss Potential Restoration Techniques for Live Yankee/Globe Mines
- 4:30 Arrive Back at Tibble Fork Reservoir and Separate for Trip Home

MAJOR ITEMS OF DISCUSSION:

- Participants' Roles - Trout Unlimited, Snowbird, Agencies
- Reclamation Techniques To Be Utilized - Variations from FS Project
- Liability Issues - VCP with Utah or Consent Order with EPA
- Engineering Evaluation and Cost Analysis
 - Other Permits/Authorizations Required
- Proposed Implementation Schedule - Feasibility
 - Funding Expectations and Dependency
- Use of Forest Service Roads - Permits/MOU
- Guardrail Removal and Reuse
- Miller Hill Tunnel Land Owner Contact Attempts
- AML Awareness and Recognition Signing

Key Issues

Card @ T.U.,
303 440 2937 X13

\$ 150,000 (w/ #0-8)
(w/ Miller Hill Tunnel)
30 days

Work Plan
~~PROPOSED RECLAMATION~~

MOBILIZE EQUIPMENT, MATERIALS, AND WORKFORCE:

Trackhoe Excavator
D-5 Dozer
Two Articulated Dump Trucks
Cache of Hand Tools for Emergency Firefighting
Fuel/Mechanics Truck
Reshape the North Fork Road as Needed for Access – Minimize Effort
Bring In Materials; Silt Fences, Straw Bales, Culverts, Pipes, Etc.

PACIFIC MINE:

Install Erosion Control Devices – Silt Fences and Straw Bales
Clear Trees and Brush on Repository Footprint – Deck Trees
Remove and Salvage Guardrail Section
Install Culvert at Road Crossing
Install Pipe Adapter at Mine Discharge – Double to Single Pipe
Collect Rock Below the Waste Rock Pile
Bury Abandoned Automobile in Waste Rock Pile
Place Extension on Ground Water Monitoring Well
Dispose of Mill Site Material on Waste Pile
Reshape Waste Rock Pile to Establish 3:1 Exterior Slopes
Do Not Damage North Loading Structure – Remove Two Others
Establish Road at Toe of Repository to Pass Public Traffic
Add Blue Rock Mine Waste Rock Pile to Repository
Layer Place Waste in Repository and Walk with Equipment (Typical)
Add Scotchman #2 Waste Rock to Repository
Finish Shaping Repository and Interceptor Ditch
Cover Repository (with Liner Materials if Required, 3 Feet of Borrow Material)
Reset Ground Water Monitoring Well Cap
Prepare Repository for Seed, Mulch, and Fertilizer – Apply Each
Remove and Dispose of Silt Fences – Break and Scatter Bales on Repository
Construct Weathered Guardrail Vehicle Barrier Around Repository
Use Guardrail on Site and Add Additional Rail/Posts As Needed
Install Regulatory and Informational Signing

Final
Site Print
0.5 Ac +/-

PACIFIC MILL:

Place Erosion Control Devices at Toe of Worksite – Silt Fences and Straw Bales
Pioneer Access Road for Trackhoe Up Hillside
Excavate Contaminated Material from Hillside for Removal to Repository
Start at Upper Concrete Wall Pulling Material Downhill
Remove Unstable Concrete Structures – Dispose of Them in Repository
Reshape Hillside as Proceeding Downhill in Preparation for Revegetation
Stockpile Larger Trees for Use as Barrier at Toe of Reclaimed Hillside
Proceed with Revegetation Efforts Including a Erosion Blanket on Steep Hillside
Place Tree Barrier at Toe of Hillside and Install Signing

scope

SCOTCHMAN # 2:

Excavate Waste Rock and Haul It to Repository
Reshape Hillside and Apply Revegetation Materials Including Erosion Blanket

Sample

BLUE ROCK MINE:

Improve Road for Truck Access to Waste Rock Pile
Remove Cabin and Loading Structure - Bury in Repository
Excavate Waste Rock Pile and Haul to Repository
Apply Revegetation Materials to Hillside
Obliterate Haul Road and Revegetate

Sample

BORROW SITE:

Clear Trees from Site within Work Limits
Remove and Stockpile Topsoil
Excavate Borrow Material and Place as Cover On Repository
Finish Grade Borrow Site and Place Topsoil
Scatter Downed Trees Over Site
Apply Seed, Fertilizer, and Mulch
Install Sign

*Sample
10' x 40'
7/1/96*

MILLER HILL TUNNEL: (This Site and Borrow Area are on NFS Lands)

Remove and Salvage Barrier Rock at Access Point
Install Culverts to Gain Access to Disturbed Area
Prepare Haul Road from Borrow Area for Truck Traffic
Excavate Borrow Material and Place as Cover on Disturbed Area
Apply Seed, Fertilizer, and Mulch to Disturbed Area and Borrow Site
Remove Culvert from Stream and Reshape Streambed
Replace Barrier Rocks Along Streambank
Dispersed Camping Area Reopened to Public

REMOVE EQUIPMENT AND EXCESS MATERIALS FROM CANYON - COLLECT MONEY

Final Report of Remediation

** dust Mon. bag? dust suppressor - ?*

Threat