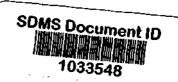
# PACIFIC MINE RECLAMATION Site Tour – October 20, 2004



#### PARTICIPANTS ANTICIPATED:

EPA Pete Stevenson, On-Scene Coordinator

FS John Hendrix, Recreation Manager, Pleasant Grove Ranger District
Recse 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 Hansen, District Conservationist

Cindy Burton, Range Conservationish

Anthony Frain FoldT

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

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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

#### 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

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#### SCOTCHMAN # 2:



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

## 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

#### 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

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

Find Report of Remuladian

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