



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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*John Page*

## INSPECTION REPORT

INSPECTION DATE & TIME: November 27 & 28, 1990  
9:30 am to 6:00 pm & 8:00 am to 4:30 pm

Permittee and/or Operators Name: Pacificorp Electric Operations  
Business Address: PO Box 310, Huntington, Utah 84528  
Mine Name: Deer Creek Permit Number: ACT/015/018  
Type of Mining Activity: Underground X Surface Other  
County: Emery Company Official(s): Guy Davis  
State Official(s): Henry Sauer (DOGM), Gary Fritz (OSM),  
Russ Porter (OSM)  
Partial: Complete: X Date of Last Inspection: 10/23/90  
Weather Conditions: Clear and Cold  
Acreage: Permitted 14668 Disturbed 56 Regraded Seeded Bonded 56  
Enforcement Action: N90-32-6-1, N90-32-7-1

### COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	YES	NO	N/A	COMMENTS
1. PERMITS	(X)	( )	( )	(X)
2. SIGNS AND MARKERS	(X)	( )	( )	(X)
3. TOPSOIL	(X)	( )	( )	( )
4. HYDROLOGIC BALANCE:				
a. STREAM CHANNEL DIVERSIONS	(X)	( )	( )	(X)
b. DIVERSIONS	(X)	( )	( )	(X)
c. SEDIMENT PONDS AND IMPOUNDMENTS	(X)	( )	( )	(X)
d. OTHER SEDIMENT CONTROL MEASURES	(X)	( )	( )	(X)
e. SURFACE AND GROUNDWATER MONITORING	(X)	( )	( )	(X)
f. EFFLUENT LIMITATIONS	(X)	( )	( )	( )
5. EXPLOSIVES	( )	( )	(X)	( )
6. DISPOSAL OF DEVELOPMENT WASTE & SPOIL	(X)	( )	( )	(X)
7. COAL PROCESSING WASTE	( )	( )	(X)	( )
8. NONCOAL WASTE	(X)	( )	( )	( )
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	(X)	( )	( )	( )
10. SLIDES AND OTHER DAMAGE	(X)	( )	( )	( )
11. CONTEMPORANEOUS RECLAMATION	(X)	( )	( )	( )
12. BACKFILLING AND GRADING	(X)	( )	( )	( )
13. REVEGETATION	(X)	( )	( )	( )
14. SUBSIDENCE CONTROL	(X)	( )	( )	( )
15. CESSATION OF OPERATIONS	( )	( )	(X)	( )
16. ROADS				
a. CONSTRUCTION	(X)	( )	( )	( )
b. DRAINAGE CONTROLS	(X)	( )	( )	(X)
c. SURFACING	(X)	( )	( )	( )
d. MAINTENANCE	(X)	( )	( )	( )
17. OTHER TRANSPORTATION FACILITIES	(X)	( )	( )	( )
18. SUPPORT FACILITIES				
UTILITY INSTALLATIONS	(X)	( )	( )	(X)

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(Comments are Numbered to Correspond with Topics Listed Above)

### General Comments

Guy Davis (Pacifcorp Electric Operations {PEO}) accompanied the undersigned inspector on this complete state inspection. Gary Fritz and Russ Porter, both of the Office of Surface Mining (OSM), acted as oversight inspectors. Weather conditions were clear and cold. Approximately 1-6 inches of snow covered sections of the mine site. Notice of violation N90-32-6-1 (see item #4B) and N90-32-7-1 (see item #6) were issued in DOGM's offices subsequent to file research regarding underdrain certification and culvert design criteria.

#### 1) Permits

All pertinent records were reviewed (i.e. proof of insurance, water monitoring, UPDES monitoring, pond and embankment inspections, road certifications) and found in good order. The narratives within the PAP which describe the water monitoring requirements, were difficult to discern. Therefore, the permittee was instructed to revise the narratives to facilitate review.

Fritz of the OSM issued a ten-day notice (#X-90-02-244-6 TV 1) for "failure to obtain prior written approval in accordance with R614-303-300 before transferring, assigning or sale of rights granted by permit."

#### 2) Signs and Markers

The mine I.D. sign is presently located at the entrance gate to the mine. Disturbed area markers and stream buffer zone signs are in place and legible.

#### 4a) Hydrologic Balance: Stream channel diversions

Portions of the abandon Byron Howard mine site were in the process of being altered by P.E.O. The Deer Creek channel area has had coal removed from the banks and riprap has been placed at the toe of the channel banks. These activities are an attempt by P.E.O. to stabilize and reinforce the channel to withstand the new mine water discharge (UPDES permit recently approved by the U.S. Forest Service). I was informed by Mr. Fritz that these activities may result in the issuance of a ten-day notice.

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### **4b) Hydrologic Balance: Diversions**

The six foot diameter round culvert directly below the sediment pond UPDES discharge point and emergency spillway is crushed in the middle. The permittee was instructed to repair or replace the culvert. Additionally the culvert adjacent to Conveyor Inverted-U #19 is not depicted on a map, nor is the culvert below the sediment pond (mentioned above). Notice of Violation N90-32-6-1 was issued for "failure to provide maps which accurately depict surface facilities and drainage structures." Abatement actions are "provide accurate maps and fulfill the requirements of R614-301-500-521 et. seq." In addition to these abatement actions, NOV modification N90-32-6-1 will require culvert designs and flow calculations for these culverts and any other drainage control structures presently omitted from maps.

### **4c) Hydrologic Balance: Sediment Ponds and Impoundments**

The sediment pond discharge pipe valve is leaking minor quantities of water (approximately 0.5 gpm). The permittee must monitor this leak and monitor the quantity of discharge. If discharge increases, then appropriate action must be taken.

### **4d) Hydrologic Balance: Other Sediment Control Measures**

The silt fences at the Deer Creek Waste Rock Site need to be replaced. Ultra violet light has degraded the majority of the silt fences.

The berm adjacent to the run-of-mine conveyor needs to be augmented.

The culvert which collects water from the spring behind the exhaust fan needs cleaning.

### **4e) Hydrologic Balance: Surface- and Ground-Water Monitoring**

A 2ft partial flume has been installed above the Deer Creek bypass culvert.

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Mr. Chuck Semborski (PEO) explained the water sampling techniques employed by PEO for the East Mountain area. Mr. Semborski demonstrated these techniques at the Rilda Canyon Wier. Additionally, Mr. Semborski explained the pump tests which had recently been completed for the Rilda Canyon alluvial area.

**6) Development Waste and Spoil Disposal**

Notice of Violation N90-32-7-1 was issued for "failure to certify during critical construction periods the rock underdrain located at the Deer Creek Waste Rock Facility." The permittee could not produce (during the inspection nor during subsequent file review) any professional engineer certification. The only specification found in the plans were design specification not as-built specifications. Additionally, the underdrain was not depicted on any maps within the permit.

**16b) Roads: Drainage controls**

The concrete road ditch adjacent to the tipple needs to be enlarged. Drainage from the road is circumventing the ditch and minor gullies are forming. The permittee was instructed to reconstruct the ditch and to backfill the gullies.

**18) Support Facilities and Utility Installations**

The berm around the diesel tank adjacent to the Conwin trailer needs to be augmented.

Copy of this Report:

Mailed to: Blake Webster, PEO & John Kathman, OSM

Given to: Joe Helfrich, DOGM

Inspectors Signature & Number: *Henry Sauer* #32 Date: December 5, 1990

ATNOV9032.6&7