

0009



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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INSPECTION REPORT

INSPECTION DATE & TIME: July 15, 1992
8:00 a.m. to 5:30 p.m.

Permittee and/or Operators Name: PacifiCorp Electric Operations
Business Address: 210 S Main, Suite 2100, SLC, UT 84140-0021
Mine Name: Cottonwood/Wilberg Permit Number: ACT/015/019
Type of Mining Activity: Underground X Surface Other
County: Emery
Company Officials: Chuck Semborski, Karl Houskeeper, Rachael Powell
State Official(s): Ken Wyatt
Partial: X Complete: Date of Last Inspection: 06/23-24/92
Weather Conditions: Partly cloudy, scattered showers
Acreage: 11532 Permitted 102 Disturbed Regraded Seeded
Bonded 102
Enforcement action: AVS check - OKAY

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

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

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PERMIT NUMBER: ACT/015/019

DATE OF INSPECTION: 07/15/92

(Comments are Numbered to Correspond with Topics Listed Above)

1. PERMITS

This inspection included an AVS check. The mine permit lists the permit applicant as:

Pacificorp Electric Operations
201 S. Main Street
Suite 2100
Salt Lake City, Utah 84120-0021
(801) 220-4618

The mine operator identified on the identification sign at the mine entrance is:

Cottonwood Coal Mine
Pacificorp Electric Operations
201 S. Main Street
Suite 2100
Salt Lake City, Utah 84120-0021
(801) 220-4618

This information was correct as required.

4e. HYDROLOGIC BALANCE: SURFACE AND GROUNDWATER MONITORING

The operator was collecting spring and seep samples this week. The following seeps and springs were sampled by the operator during this inspection on East Mountain. Chemistry and metals samples were collected from each spring. Two springs were observed where flow was not sufficient to collect a representative sample. These samples are identified with a No Sample (NS) in the field parameters.

Spring and Seep Field Parameters

SPRING ID	FLOW (GPM)	pH	Conductivity (umhos/cm)	Temperature ° F	Dissolved O ₂ (mg/l)
80-48	2.5	8.3	470	47.7	6.5
89-68	3.0	7.8	509	40.8	8.9
89-69	0.8	8.0	529	46.5	8.8
89-66	<0.1	NS	NS	NS	NS

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SPRING ID	FLOW (GPM)	pH	Conductivity (umhos/cm)	Temperature ° F	Dissolved O ₂ (mg/l)
89-65	0.7	7.8	514	45.0	9.0
89-61	43.0	7.7	521	42.0	9.5
Elk Spring	116.5	7.7	450	42.0	9.5
79-10	10.5	7.9	471	46.0	9.2
Sheba Spring	6.3	7.3	425	44.7	9.0
79-35	4.4	8.4	430	47.6	9.1
79-34	Damp	NS	NS	NS	NS
79-15	4.1	8.6	475	61.4	7.8

11. CONTEMPORANEOUS RECLAMATION

Pacificorp reclaimed two exploration drill holes that were drilled last year. EM-148 was drilled and set up to analyze the rate of subsidence following longwall mining. This hole had a coaxial cable placed down the hole and was attached to equipment that measured the shear stresses from subsidence and then transmitted this data to the mine office for analysis. The drill pad and access road were all re-contoured and water bars were observed along the road. The entire disturbed area was broadcast seeded.

Drill hole EM-66 was drilled late last fall. The mud pits were too wet to backfill and reclaim last fall so this work was performed this spring. The drill pad was re-contoured and seed was observed scattered over the reclaimed area.

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14. SUBSIDENCE CONTROL

Several areas identified on Map HM-5 where subsidence is shown were inspected on top of East Mountain. No fractures or other visible evidence of subsidence was seen on the surface although up to four feet of elevation change is indicated on this map in these areas.

Copy of this Report:

Mailed to: Bernie Freeman (OSM), Blake Webster, Guy Davis (PEO)

Given to: Joe Helfrich (DOGM)

Inspectors Signature: Ken Wyatt #7 Date: 07/17/92