



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

REF 2-22-87 0015

File

see file

Norman H. Bangarter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

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INSPECTION REPORT

INSPECTION DATE & TIME: 3-19&27-87
10:00-11:00 and 10:30-2:00

Permittee and/or Operators Name: Consolidation Coal Company
Business Address: P.O. Box 527 Emery, Ut 84522
Mine Name: Emery Deep Permit Number: ACT/015/015
Type of Mining Activity: Underground Surface Other
County: Emery
Company Official (s): Ron Thompson
State Official(s): Holland Shepherd, Bill Malencik
Partial: Complete: Date of Last Inspection: 1-22-87
Weather Conditions: Cloudy, cool, no runoff occurring at the site
Acreage: Permitted 5180 Disturbed 247 Regraded 0 Seeded 0 Bonded 247
Enforcement Action: none

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	<u>YES</u>	<u>NO</u>	<u>N/A</u>	<u>COMMENTS</u>
1. PERMITS	(X)	()	()	()
2. SIGNS AND MARKERS	(X)	()	()	()
3. TOPSOIL	(X)	()	()	()
4. HYDROLOGIC BALANCE:				
a. STREAM CHANNEL DIVERSIONS	(X)	()	()	()
b. DIVERSIONS	(X)	()	()	()
c. SEDIMENT PONDS AND IMPOUNDMENTS	(X)	()	()	(X)
d. OTHER SEDIMENT CONTROL MEASURES	(X)	()	()	()
e. SURFACE AND GROUNDWATER MONITORING	(X)	()	()	(X)
f. EFFLUENT LIMITATIONS	(X)	()	()	(X)
5. EXPLOSIVES	()	()	(X)	()
6. DISPOSAL OF DEVELOPMENT WASTE AND 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)	()	()	(X)
14. SUBSIDENCE CONTROL	(X)	()	()	()
15. CESSATION OF OPERATIONS	(X)	()	()	(X)
16. ROADS				
a. CONSTRUCTION	()	()	(X)	()
b. DRAINAGE CONTROLS	(X)	()	()	()
c. SURFACING	(X)	()	()	()
d. MAINTENANCE	(X)	()	()	()
17. OTHER TRANSPORTATION FACILITIES	()	()	(X)	()
18. SUPPORT FACILITIES				
UTILITY INSTALLATIONS	(X)	()	()	()

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(Comments are Numbered to Correspond with Topics Listed Above)

4.c. Sediment Ponds:

The operator inspects the sediment ponds: 1,2,3 and 5, on a quarterly basis. All four ponds were inspected last on 12-31-86. According to the operator's notations, no problems were detected with these structures at that time.

4.e. Surface and Groundwater Monitoring:

The operator's surface and groundwater monitoring is current through 1-28-87. Monitoring has been carried out according to the specifications of the operator's permit. The operator gave the inspectors a copy of the updated monitoring schedule and parameters to be sampled at the various monitoring points (see attachments).

4.f. Effluent Limitations:

1. All NPDES reporting is current through 1-31-87. No discharges have been recorded except at the operator's mine water pond (discharge point 001), during the period from Nov. 86 to Jan 87. No effluent limitation violations were recorded during this time period.

2. The operator is currently awaiting NPDES permit renewal from the EPA. The permit expired last June of 86. The operator has on record a letter from the EPA, dated 6-13-86, indicating that the permit will operate under the same restrictions as before until the operator receives the renewal.

6. Disposal of Development Waste:

The operator is still maintaining a stockpile of underground development wastes in the storage yard south of sediment pond #3. The wastes were taken from underground last fall and stored in the refuse yard awaiting a decision from the company and approval from DOGM for a permanent disposal site.

Copy of this Report:

Mailed to: Ron Thompson, Donna Griffin

Given to: Joe Helfrich, Bill Malencik

Inspectors Signature and Number: Holland Shepherd #9 Date: 4-10-87

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13. Revegetation:

1. Mr. Thompson informed me that areas disturbed by drill pads, installed to contain a mine fire last spring, would be reseeded this spring.

2. The area that was disturbed by subsidence last year (Lewis property at the western boundary of the permit area), will also be seeded this spring. Recontouring and grading was performed in this area last fall.

15. Cessation of Operations:

The mining operation has ceased production as of 12-31-86. A formal letter was sent to the Division on 12-31-87, pursuant to UMC 817.131, indicating that the operation would be shut down for an indefinite period of time.

Inspectors Signature and Number: Holland Shepherd #9 Date: 4-10-87

CONSOLIDATION COAL COMPANY
EMERY MINE
1987 WATER MONITORING PROGRAM

NPDES Discharge - Twelve (monthly) sets of one (1) sample

Conductivity
Oil & Grease
pH
Total Dissolved Solids
Total Suspended Solids
Iron
Manganese

RDA-Wells - Four (Mar, Jun, Sep, Dec) sets of six (6) samples

Partial suite of analysis (jun, sep, dec)

Conductivity
pH
Total Dissolved Solids
Sulfate
Iron (diss.)
Manganese (diss.)
Sodium

Complete suite of analysis (mar)

Alkalinity, Bicarbonate	Aluminum
Alkalinity, Carbonate	Arsenic
Chloride	Barium
Flouride	Boron
Hardness, Total	Cadmium
Nitrogen, Ammonia	Calcium
Nitrogen, Nitrate	Chromium
Phosphorus, Diss.	Copper
Total Cations	Lead
Total Anions	Magnesium
	Mercury
	Nickel
Conductivity	Potassium
pH	Selenium
Total Dissolved Solids	Zinc
Sulfate	Molybdenum
Iron (Diss.)	Strontium
Manganese (Diss.)	
Sodium	

Deep Mine Wells - Two sets (May, Sept) of nine (9) Samples

Acidity	Sulfate
Alkalinity, Bicarbonate	Sulfide
Alkalinity, Carbonate	Non-carbonate Hardness
Chloride	Total Cations
Conductivity	Total Anions

Deep Mine Wells (Cont.)

Flouride	Calcium
Hardness, Total	Iron
Nitrogen, Nitrate	Magnesium
Nitrogen, Nitrite	Manganese
pH	Potassium
Phosphorous, Ortho	Silica
Solids, Total Dissolved	Sodium
Solids, Total Suspended	Iron, Dissolved
	Strontium

Surface Mine Wells - Four sets (Mar, Jun, Sep, Dec) of four (4) samples

Alkalinity, Bicarbonate	Aluminum
Alkalinity, Carbonate	Arsenic
Chloride	Boron
Flouride	Barium
Hardness, Total	Cadium
Nitrogen, Ammonia	Calcium
Nitrogen, Nitrate	Chromium
Nitrogen, Nitrite	Copper
Phosphorous, Diss.	Iron
Solids, Total Dissolved	Lead
Sulfate	Magnesium
Sulfide	Manganese
Total Cations	Mercury
Total Anions	Nickel
	Potassium
	Selenium
	Sodium
	Zinc
	Molvbdenum

Springs & Seeps - Four sets (Mar, Jun, Sep, Dec) of one (1) sample

Analysis as for Surface Mine Wells, except:

Omit

Chloride

Add

Alkalinity, Total

surface water - flow and water quality - 8 sites (May, July, Sept., Dec. or Jan.)