

John SCL



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

REVISED

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INSPECTION REPORT

INSPECTION DATE & TIME: March 7, 1989
9:30 a.m. to 3:00 p.m.

Permittee and/or Operators Name: Consolidation Coal Company
Business Address: P.O. Box 527 Emery, Utah 84522
Mine Name: Emery Deep Permit Number: ACT/015/015
Type of Mining Activity: Underground Surface Other
County: Emery State: Utah
Company Official(s): Chris Jones
State Official(s): Daron Haddock
Partial: Complete Date of Last Inspection: February 10, 1989
Weather Conditions: Partly cloudy, warm
Acreage: Permitted 5180 Disturbed 40 Regraded 2.66 Seeded 2.66 Bonded 247
Enforcement Action: NONE

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	YES	NO	N/A	COMMENTS
1. PERMITS	(X)	()	()	(X)
2. SIGNS AND MARKERS	(X)	()	()	(X)
3. TOPSOIL	(X)	()	()	(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)	()	()	(X)
10. SLIDES AND OTHER DAMAGE	()	()	(X)	()
11. CONTEMPORANEOUS RECLAMATION	(X)	()	()	(X)
12. BACKFILLING AND GRADING	(X)	()	()	()
13. REVEGETATION	(X)	()	()	()
14. SUBSIDENCE CONTROL	(X)	()	()	(X)
15. CESSATION OF OPERATIONS	()	()	(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)	()	()	()

INSPECTION REPORT
(continuation sheet)

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PERMIT NUMBER: ACT/015/015

DATE OF INSPECTION March 7, 1989

(Comments are Numbered to Correspond with Topics Listed Above)

1. PERMITS:

State permit ACT/015/015 was issued January 7, 1986 and will expire January 7, 1991. The mid-permit term review has been concluded and received conditional approval on December 28, 1988. The operator is required to submit a reorganized MRP by September 9, 1990.

A certificate of Liability Insurance was observed which indicates the operator to be insured effective January 1, 1986 until cancelled. A reclamation bond certificate was also produced which showed a bond of \$3,454,443.00 to be held since December 6, 1985.

2. SIGNS AND MARKERS:

At the time of this inspection, disturbed area perimeter markers around the newly constructed sediment pond consist of red flagging tied to shrubs. This was used because the ground was too frozen to drive stakes. During this inspection a few permanent stakes were installed around the borehole area and the remainder will be installed within the next day as the ground is thawed.

3. TOPSOIL:

The topsoil piles created during the construction of the new borehole sediment pond appear to be in good shape. The operator is planning to seed and mulch them this spring.

4c. SEDIMENT PONDS AND IMPOUNDMENTS:

Construction of the new borehole sediment pond is nearly complete. A concrete and corrugated metal pipe spillway has been installed. Side slopes of the pond were measured at 38% using a brunton compass. Seeding and mulching of the embankments is planned for this spring.

The other mine sediment ponds appear to be in good condition. Pond inspections have been conducted quarterly as required.

4e. SURFACE AND GROUNDWATER MONITORING:

There has been some confusion in the past as to the requirements of the water monitoring plan. As part of the mid-permit term review, the operator was required to review the water monitoring plan and formulate a list of the requirements of the plan. A copy of this list is included with this report. It appears the monitoring program as outlined by this list is being followed.

INSPECTION REPORT
(continuation sheet)

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PERMIT NUMBER: ACT/015/015

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4f. EFFLUENT LIMITATIONS:

The operators NPDES records were checked and found to be in order. The November 1988 DMR showed an exceedence in the number of tons per day allowed to be discharged. (12 tons per day while the limit is 10 tons per day) All the appropriate agencies were notified of the exceedence as required. It should also be noted that discharge only occurs approximately 1/2 of the month since the pump is on 3 day on and off cycles. This being the case, the average discharge for the month would be within the effluent limitations. The pump was off during this inspection, therefore, no water was being discharged.

With the construction of the new mine borehole sediment pond, a new discharge point was required. The operator received EPA approval for outfall 003 in a letter dated October 17, 1988. This letter also states that the operators permit is on the list for renewal.

6. DEVELOPMENT WASTE AND SPOIL DISPOSAL:

The operator has conducted quarterly inspections of the refuse disposal site. No problems were noted.

9. PROTECTION OF FISH, WILDLIFE, AND RELATED ENVIRONMENTAL VALUES:

A number of waterfowl were observed on mine discharge pond #1. These included 10 Canadian Geese and a variety of ducks. Several prairie dogs were also sited along the road to the mine discharge pond.

11. CONTEMPORANEOUS RECLAMATION:

The area disturbed while installing the new borehole and pipe line has been backfilled and graded. Seeding will be done this spring.

14. SUBSIDENCE MONITORING:

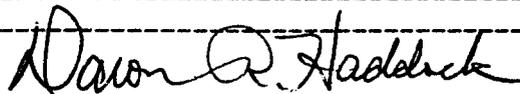
Subsidence monitoring is done by ground survey. Several points have been monitored and compilation of the data is nearly complete. A subsidence report will be submitted with the annual reports.

Copy of this report:

Mailed to: Chris Jones

Mailed to SLC for: Brian Smith, OSM Joe Helfrich, DOGM

File to: PFO



Inspectors Signature and Number Daron R. Haddock #28 Date March 9, 1989

EMERY MINE
WATER MONITORING PROGRAM

<u>Sample Location</u>	<u>Flow/Water Level</u>		<u>Frequency</u>	<u>Water Samples</u>		<u>Parameters</u>
	<u>Frequency</u>	<u>Timing</u>		<u>Timing</u>		
Surface Water Sites 1A, 2, 3, 4, 5, 8, 9, 10	Quarterly	Scheduled to monitor seasonal low and high flows.	Quarterly	Scheduled with flow measurement.	SW	
Surface Water Sites 6, 7, 11	Continuous	---	Twice/Month	When flowing	NPDES	
Wells & Springs Bryant EMRIA2 Kemmerer Lewis IU2 T1(B) TP(U) USGS1-2 ZZ SM1-1, 1-2, 1-3, 1-4 Christiansen Spring	Quarterly	During March, May/June, Sept./Oct. and Dec.	Twice/Year	During May/June and Sept./Oct.	GW	
Wells RDA1, RDA2, RDA3 RDA4, RDA5, RDA6	Quarterly	During March, May/June, Sept./Oct. and Dec.	Annual	During May/June	GW	
Wells AA(B),(U),(M),(L), H(B),(U),(M),(L) I(B),(M),(L) R2(B),(U),(M) R1 T1(U) T2(B),(U) Muddy 1, Muddy 2 EMRIA1, EMRIA3 FC346WW USGS3-1, USGS4-1 WW1	Quarterly	During March, May/June Sept./Oct. and Dec.	None	---	---	
Springs Emery Co. #1, Emery Co. #2 Bryant #1, Bryant #2	Quarterly	During March, May/June, Sept./Oct. and Dec.	None	---	---	

EMERY MINE
WATER MONITORING PROGRAM
ANALYTICAL PARAMETER SUITES

GW Parameters
Wells & Springs

Field Measurements

Water Levels

pH (Field)

Sp. Cond. (Field)

Water Temperature °C

Lab Measurements

Total Dissolved Solids

Total Hardness (as CaCO₃)

Carbonate (CO₃⁻²)

Bicarbonate (HCO₃⁻)

Calcium (Ca) Dissolved

Chloride (Cl⁻) Dissolved

Iron (Fe) Dissolved

Magnesium (Mg) Dissolved

Manganese (Mn) Dissolved

Potassium (K) Dissolved

Sodium (Na) Dissolved

Sulfate (SO₄⁻²) Dissolved

SW Parameters
Surface Water Sites

Field Measurements

Flows

pH (Field)

Sp. Cond. (Field)

Water Temperature

Lab Measurements

Total Settleable Solids

Total Suspended Solids

Total Dissolved Solids

Total Hardness (as CaCO₃)

Oil and Grease (Sites 1A and 4)

Acidity (CaCO₃)

Carbonate (CO₃⁻²)

Bicarbonate (HCO₃⁻)

Calcium (Ca) Total & Dissolved

Chloride (Cl⁻) Total & Dissolved

Iron (Fe) Total & Dissolved

Magnesium (Mg) Total & Dissolved

Manganese (Mn) Total & Dissolved

Potassium (K) Total & Dissolved

Sodium (Na) Total & Dissolved

Sulfate (SO₄⁻²) Total & Dissolved

NPDES Parameters
Sedimentation Ponds

Field Measurements

Flows

pH (Field)

Lab Measurements

Total Suspended Solids

Total Dissolved Solids

Total Iron

Oil and Grease