

0017



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

*Copy [Signature]*

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## INSPECTION REPORT

INSPECTION DATE & TIME: June 16, 1992  
8:30 am to 2:00 pm

Permittee and/or Operator's Name: Co-Op Mining Company  
Business Address: P.O. Box 1245, Huntington, Utah 84528  
Mine Name: Bear Canyon Mine Permit Number: ACT/015/025  
Type of Mining Activity: Underground X Surface      Other       
County: Emery Company Official(s): Marlow Petersen  
State Officials(s): Ken Wyatt  
Federal Official(s): None  
Partial:      Complete: X Date of last Inspection: 5/20/92  
Weather Conditions: Partly cloudy, recent rain, cool 50's  
Acreage: Permitted 1060 Disturbed 16 Regraded      Seeded       
Bonded 16 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)	( )	( )	(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)	( )	( )	(X)
5. EXPLOSIVES	( )	( )	(X)	( )
6. DISPOSAL OF DEVELOPMENT WASTE & SPOIL	(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)	( )	( )	(X)
11. CONTEMPORANEOUS RECLAMATION	(X)	( )	( )	( )
12. BACKFILLING AND GRADING	(X)	( )	( )	( )
13. REVEGETATION	(X)	( )	( )	(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)	( )	( )	(X)
17. OTHER TRANSPORTATION FACILITIES	(X)	( )	( )	( )
18. SUPPORT FACILITIES				
UTILITY INSTALLATIONS	(X)	( )	( )	( )

## INSPECTION REPORT

(Continuation sheet)

Page 2 of 6

PERMIT NUMBER: ACT/015/025

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(Comments are Numbered to Correspond with Topics Listed Above)

### 1. PERMITS

Required permits and approvals examined at the mine office included:

The mine permit, number ACT/015/025, was issued to Co-Op Mining Company (CMC) on May 20, 1991, from Dianne Nielson.

An irrevocable letter of credit is used in lieu of the reclamation bond. This letter of credit, #1055, is listed with the Capital City Bank for \$290,000. This letter was issued on August 15, 1991, and expires July 12, 1992, but is automatically extended for one year periods unless notification is given ninety days in advance of cancellation.

Liability insurance document # GLM 10088 with is effective January 1, 1992, through January 1, 1993. This covers \$2,000,000 general aggregate and \$1,000,000 for each occurrence.

The company's Spill Prevention and Counter Control Plan was updated April 1991. This plan is stamped by Kimly Mangum, PE #7900. Earthen berms are constructed around above-ground tanks to contain any leaks or spills.

The company's NPDES permit was issued on April 9, 1992, for four discharge points located at the Trail Canyon Mine and the Bear Canyon Mine. These points include the Trail Canyon Mine Sediment pond, the two Bear Canyon Sediment ponds and the Bear Canyon Mine water discharge.

### 2. SIGNS AND MARKER

All perimeter markers, mine identification signs, stream buffer zone signs and topsoil signs were present, contained the appropriate information and were in good repair.

### 3. TOPSOIL

The topsoil stockpile located northeast of the scale house was stable with good vegetative cover. The 1991 vegetation monitoring report from Mt. Nebo Scientific indicated that the topsoil stockpile had 65% vegetative cover. The berm around the stockpile was intact.

## INSPECTION REPORT

(Continuation sheet)

Page 3 of 6

PERMIT NUMBER: ACT/015/025

DATE OF INSPECTION: 06/16/92

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**4b. HYDROLOGIC BALANCE: DIVERSIONS**

The diversion constructed to control runoff from the middle pad down to the culvert inlet by the crusher facility has flowed and has controlled this water. This prevents excessive amounts of coal and debris from being deposited into the culvert inlet as has occurred in the past.

The disturbed area diversions along the southwest side of the coal stockpile pad and behind the west side of the shop building has received sediment deposition in the channel. These ditches were still functional but CMC should monitor these diversions to insure that future runoff does not continue to accumulate sediment in these areas which could affect their water handling capacity.

Rent-A-Pottys were observed on the upper portal pad and the upper material storage pad. These facilities should eliminate the past problem of fecal material being deposited in the undisturbed diversions around these pads.

**4c. HYDROLOGIC BALANCE: SEDIMENT PONDS AND IMPOUNDMENTS**

The sediment ponds have received some runoff from the recent storms. The water level was well below any discharge point and the sediment level remains below the clean out markers.

**4d. HYDROLOGIC BALANCE: OTHER SEDIMENT CONTROL MEASURES**

Silt fences, sediment traps and other sediment control structures were in good condition. One silt fence adjacent to the road above the middle pad turnoff was in disrepair. The operator replaced this silt fence material during this inspection.

**4e. HYDROLOGIC BALANCE: SURFACE AND GROUNDWATER MONITORING**

Surface and groundwater monitoring data was examined in the mine office. Several sample results were not available for May 1992. During my discussion with Charles Reynolds of CMC on June 29, 1992, I was informed that these results were not back from the laboratory at the time of this inspection. However, the results have since been forwarded to the company and will be submitted with the second quarter water monitoring report which should be forthcoming in the next week.

## INSPECTION REPORT

(Continuation sheet)

Page 4 of 6

PERMIT NUMBER: ACT/015/025

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**4f. HYDROLOGIC BALANCE: EFFLUENT LIMITATIONS**

An April 13, 1992, letter from Charles Reynolds to Harry Campbell of the Utah Division of Water Quality was observed informing them of a TDS exceedance in the mine water discharge for January and March of 1992. The exceedance was for excess pounds per day TDS. These values were 2866 and 2822 pounds per day for January and March respectively. The water quality was fairly low in TDS (676 and 782 respectively) but the flow amounts were high which caused the pounds per day limit to be exceeded.

No discharges were occurring from any of the three discharge structures at this mine facility during this inspection.

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

The 1991 annual report for the CMC properties indicated that a raptor survey was performed for these areas by Pacificorp. A December 5, 1991, letter from Pacificorp to Wendell Owens confirmed this and the results were presented in the 1991 annual report. One active nest was observed in the upper reaches of Bear Canyon.

**10. SLIDES AND OTHER DAMAGE**

No slides or other damage has occurred at this facility.

**13. REVEGETATION**

Areas that have recently been seeded include the down slope from the southern end of the upper material storage pad and an area downslope from the upper portal pad. Some grasses were observed protruding through the erosion control mat that was placed over the reseeded areas. The material downcast into the canyon below the upper material storage pad has been seeded and matted. Mostly Barley and some grasses were observed through the netting.

The following table summarizes some data from the 1991 vegetation monitoring report for the Bear Canyon Mine. The reader is referred to this report for more details about these areas and about methods of data collection and analysis.

## INSPECTION REPORT

(Continuation sheet)

Page 5 of 6

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AREA	% COVER	SLOPE degree	ANIMAL USE	EROSION	DOMINANT SPECIES
Ball park	95-100	0	slight	none	mostly grasses
Topsoil stockpile	65	varies	slight	minimal	1
Washed slope	40	35+	NA	some severe	2
Test plots	60	30	slight	slight	3
East Roadside	40	25	slight	slight	4
West Roadside	10	50	none	Moderate to Extensive	5
PIB slope	40	35-45	slight	extensive	6

- 1: *Grindelia squarrosa*, *Medicago sativa*, *Penstemon*, sp., *Salsola iberica*, *Agropyron dasystachium*, *Agropyron spicatum*, *Bromus carinatus*, *Elymus cinereus*, *Oryzopsis hymenoides*(Stipes)
- 2: *Chrysothamnus nauseosus*, *Salsola iberica*, *Machaeranthera canescens*, *Bromus carinatus*, *Elymus salinus*
- 3: *Chrysothamnus nauseosus*, *Salsola iberica*, *Kochia scoparia*
- 4: *Chrysothamnus nauseosus*, *Eriogonum corymbosum*, *Oryzopsis hymenoides*(Stipes), *Agropyron spicatum*
- 5: *Chrysothamnus nauseosus*, *Rosa woodsii*, *Salsola iberica*(dominant)
- 6: *Chrysothamnus nauseosus*, *Salsola iberica*(dominant)

**INSPECTION REPORT**

(Continuation sheet)

Page 6 of 6

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**14. SUBSIDENCE CONTROL**

The 1991 subsidence monitoring was performed by Blackhawk Engineering on September 22, 1991. The results of this survey were included in the 1991 annual report and showed a .14 foot difference from the previous survey. The survey included one control point and one monitoring point in 1991. For future surveys, one additional control point and 4 additional monitoring stations were established in 1991.

**16d. ROADS: MAINTENANCE**

Road surfaces throughout the mine site were in good condition. Road ditches associated with these roads were also in good repair.

Copy of this Report:

Mailed to: Wendell Owen, Co-Op; Bernie Freeman, OSM

Given to: Joe Helfrich, DOGM

Inspector's Signature: Ken Wyatt #7 Date: 6/30/92