



State of Utah
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL, GAS AND MINING

INSPECTION REPORT

Michael O. Leavitt
 Governor
 Ted Stewart
 Executive Director
 James W. Carter
 Division Director

355 West North Temple
 3 Triad Center, Suite 350
 Salt Lake City, Utah 84180-1203
 801-538-5340
 801-359-3940 (Fax)
 801-538-5319 (TDD)

Partial: X Complete: Exploration:
 Inspection Date & Time: 12/8/93: 9:30 am to 4:00 pm;
 Date of Last Inspection: November 17-19, 1993

Mine Name: Sunnyside Coal Mine County: Carbon Permit Number: ACT/007/007
 Permittee and/or Operator's Name: Sunnyside Coal Company (SCC)
 Business Address: PO Box 99, Sunnyside, Utah 84539
 Type of Mining Activity: Underground X Surface Prep. Plant Other
 State Official(s): Henry Sauer, Mike Herkimer & Mark Novack (Division of Water Quality)
 Company Official(s): Chuck Rempes, Jim Comas (EWP), Chuck Wemple (Chen-Northern)
 Federal Official(s): None
 Weather Conditions: Clear and Warm
 Existing Acreage: Permitted-14475 Disturbed-310 Regraded-0 Seeded-0 Bonded-310
 Increased/Decreased: Permitted- Disturbed- Regraded- Seeded- Bonded-
 Status: Exploration/ X Active/ Inactive/ Temporary Cessation/ Bond Forfeiture
 Reclamation (Phase I/ Phase II/ Final Bond Release/ Liability Year)

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

Instructions

1. Substantiate the elements on this inspection by checking the appropriate performance standard.
 - a. For complete inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check N/A.
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3. Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments.

	<u>EVALUATED</u>	<u>N/A</u>	<u>COMMENTS</u>	<u>NOV/ENF</u>
1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. SIGNS AND MARKERS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. NONCOAL WASTE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4th Quarter-April, May, June) _____ (date)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. AIR QUALITY PERMIT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INSPECTION REPORT

(Continuation sheet)

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PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: 12/8/93

(Comments are Numbered to Correspond with Topics Listed Above)

GENERAL COMMENTS:

Mr. Mike Herkimer representing the Division of Water Quality (DWQ) conducted an inspection while the undersigned inspector was on site. The DOGM's inspection was dedicated to discussing and addressing the issues raised by Mr. Herkimer. The issues raised were primarily, the UPDES effluent limit violation issued by the Division of Water Quality (DWQ) on November 15, 1993 regarding Outfalls # 015 & 001, water monitoring field methods employed by Sunnyside Coal Company (SCC), UPDES exceedances from Outfall # 004 (see NOV N93-32-8-1) and the quality of water emanating from the Coarse Refuse Seep (CRS).

4. HYDROLOGIC BALANCE:

d. WATER MONITORING

The first step in abating the Dissolved Oxygen (D.O.) exceedances from Outfall # 001 will be confirmation that accurate readings are being obtained. As a means of achieving this goal, various calibration methods will be employed. The suggested methods for D.O. meter calibration are the Air and Winkler Methods. The calibration methods will then be compared to determine the method which is most reliable. Water samples will then be collected and analyzed to determine if, in fact, low D.O. mine water emanates from Outfall # 001.

The cause of the elevated TDS, iron and manganese concentrations from the Coarse Refuse Seep (CRS) and the acidic South Embankment of the East Slurry Cell Seep (SEESCS) was discussed. The water chemistry of these two locations is the result of the oxidation of pyrite and the subsequent leaching of heavy metals from and within the East and West Slurry Cells and the Coarse Refuse Pile. Mr. Herkimer agreed that this was a plausible theory. However, Mr. Herkimer believes that prior to the DWQ ordering a UPDES permit for the CRS, the operator (i.e. SCA) must design and implement a program to insure the collection of valid flow and water quality data. Mr. Herkimer informed me that the DWQ, with technical assistance from the DOGM, will begin a permitting actions which will require the permittee to collect, analyze and submit valid hydrologic data for the CRS.

e. EFFLUENT LIMITATIONS

The above noted attendee's discussed the coal refuse dike filter system for the No. 1 & 2 Slurry Cells. Representatives of Sunnyside Cogeneration Associates (SCA) believe the TSS exceedances from Outfall # 004 (see NOV N93-32-8-1) will be resolved by the reconstruction of the filter dikes and the placement of synthetic filters within the dike.

During the discussion the undersigned inspector pointed out that previous exceedances of Total Dissolved Solids (TDS) effluent limitations (Daily Maximum TDS=1650 mg/L) from

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PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: 12/8/93

Outfall # 004 had occurred (see table below). SCA representatives were informed that if TDS exceedances occur, it may result in DOGM enforcement actions.

Operator SCA/SCC	Month/Yr	Outfall #	TDS	Thirty Day Ave.	Daily Max
	Dec/90	004	X	1710	1730
	Jan/91	004	X	1645	1700
	May/91	004	X	1689	1691
	June/91	004	X	1740	1750
	July/91	004	X	*	1795
	Aug/91	004	X	*	1760
	Oct/91	004	X	1645	1700
	Jan/92	004	X	1767	1771
	Feb/92	004	X	1827	1856
	March/92	004	X	1836	1843
		* = Information not Available			

SCC presented a tentative proposal to ameliorate the Total Suspended Solids (TSS) exceedances from Outfall # 015. The operator will officially respond to DEQ's violation by proposing, in writing, a redesign of the intake and decant system for the Twin Tanks (i.e Outfall # 015). The system, as described by the operator, is designed to separate the inlet (tank #1) and outlet (tank #2) pipes thereby decreasing the perturbation of sediments at the bottom of the tank and increase detention time within the tanks. The operator is also considering cleaning the accumulated sediments from the bottom of the tanks. The operator informed me that they are attempting to prevent the practice of washing down the conveyor belt with mine water. Another possible solution was discussed which entails the removal of accumulated sediments from the No. 1 Slope Sump.

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(Continuation sheet)

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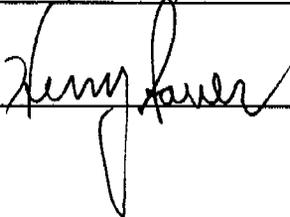
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS

NOV N93-32-7-1 was terminated based on the completion of the required abatement measures. It should be noted that the above mentioned NOV was erroneously numbered and referred to in the November 17-19, 1993, complete inspection report as N93-32-6-1.

Copy of this Report:

Mailed to: Bernie Freeman (OSM), Gary Gray (SCC)

Given to: Joe Helfrich (DOGM)

Inspector's Signature:  #32 Date: 12/14/93



State of Utah
 DEPARTMENT OF NATURAL RESOURCES
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INSPECTION REPORT

St Jpgl

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Partial: Complete: Exploration:
 Inspection Date & Time: 11/17/93: 10:00 am to 5:00 pm;
11/18/93: 7:00 am to 5:30 pm; 11/19/93: 7:30 am to 2:00 pm
 Date of Last Inspection: October 26-28, 1993

Mine Name: Sunnyside Coal Mine County: Carbon Permit Number: ACT/007/007
 Permittee and/or Operator's Name: Sunnyside Coal Company (SCC)
 Business Address: PO Box 99, Sunnyside, Utah 84539
 Type of Mining Activity: Underground Surface Prep. Plant Other
 State Official(s): Henry Sauer Company Official(s): Gary Gray, Peter Hess, Chuck Rempes
 Federal Official(s): Marcia Petta (OSM), Edzel Pugh (OSM)
 Weather Conditions: Snow on the ground. Clear and cold.
 Existing Acreage: Permitted-14475 Disturbed-310 Regraded-0 Seeded-0 Bonded-310
 Increased/Decreased: Permitted- Disturbed- Regraded- Seeded- Bonded-
 Status: Exploration/ Active/ Inactive/ Temporary Cessation/ Bond Forfeiture
Reclamation (Phase I/ Phase II/ Final Bond Release/ Liability Year)

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INSPECTION REPORT

(Continuation sheet)

Page 2 of 6

PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: 11/17-19/93

(Comments are Numbered to Correspond with Topics Listed Above)

GENERAL COMMENTS: The undersigned inspector was accompanied by the above-noted OSM inspectors during this complete state inspection of the Sunnyside Coal Mine (SCC) site. Sunnyside Cogeneration Associates (SCA) records were reviewed only when questions related to their operations arose. The majority of the inquiries related to the series of violations issued by Mr. Hugh Klein (i.e., N93-40-5-9) and the SCA Division Order dated November 15, 1993. Field evaluation of the SCA permit area was conducted as part of the SCC inspection. NOV N93-13-2-1 was issued by J. Randall Harden on November 16, 1993 in concert with the above noted Division Order. NOV N93-32-~~7~~-1 was issued by me during the inspection and will be described below. NOV N93-32-~~8~~-1 was issued to SCA subsequent to obtaining analytical results (received November 30, 1993) of water samples collected during this inspection (see 4d below).

The following third quarter records were reviewed and found in good order: UPDES & Water Monitoring reports; Impoundment Inspection Reports; Refuse Pile Inspection Reports.

1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE

The permit areas of both SCA and SCC currently includes shared facilities (i.e., East and West Slurry Cell, Slurry Cells # 1 & 2, Coarse Refuse Pile etc.). In a letter dated October 27, 1993, the Division approved a Memorandum of Operating Agreement dated October 22, 1993. The Operating Agreement attempts to define the responsibilities of each entity (SCA and SCC) for the area which lies within both permits.

2. SIGNS AND MARKERS

The permit identification sign at the main gate is present and legible. In addition, at the point on the coarse refuse haul road which divides SCA's and SCC's permit areas, signs are in place which identify both entities.

3. TOPSOIL

The berm around SCA's Access Road Topsoil Stockpile must be augmented.

4. HYDROLOGIC BALANCE;

a. DIVERSIONS

NOV N93-32-3-8, 2 & 8 of 8 which requires the submission of new hydrologic maps and designs was modified to allow field implementation of designs within 30 days of Division approval. This was the result of discussions with the operator and a modification request dated November 19, 1993.

INSPECTION REPORT

(Continuation sheet)

Page 3 of 6

PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: 11/17-19/93

The inlet of the culvert under SCA's access road must be cleaned.

The drainage ditch on the west side of the Sacco Flats Temporary Coarse Refuse Storage Area was obstructed by refuse. The operator was instructed to remove this material.

The inlet of the culvert immediately south of the train loadout tunnel was crushed and the outlet could not be found. Subsequent to permit review, it was determined that the culvert is not a part of the approved drainage system. However, the new drainage system (See NOV N93-32-3-8, 8 of 8) includes this culvert. Accordingly the operator was instructed to repair the culvert.

c. OTHER SEDIMENT CONTROL MEASURES

The Division approved the abatement plan for federal violation NOV N 393-030-370-005 TV 2 on November 3, 1993. In the approval, the Division requested additional text regarding a commitment to monitor and maintain sediment control structures.

The silt fences constructed as sediment control/treatment for the Central Metering were observed to be located down gradient of the substation adjacent to an ephemeral channel.

The silt fence for the Manshaft Fan area must be repaired.

d. WATER MONITORING

The analytical results from the South Embankment of the East Slurry Cell Seep (SEESCS) sample collected during the 9/93 state inspection have been received and are as follows:

Note: Results are reported in ug/L unless otherwise stated.

Concentrations are Acid-Soluble (i.e. unfiltered samples placed in HNO₃ preserved bottle and filtered by laboratory personnel through a 0.45 micrometer filter prior to analysis).

Aluminum - 9,500,000; Barium - 1.2 mg/L; Cadmium - 2450; Cobalt - 14,000;
Iron 13,000 mg/L; Manganese - 700,000; Molybdenum - 50; Selenium - 42; Zinc - 150,000;
Arsenic - 2800; Beryllium - 900; Chromium 2350; Copper 19,000; Lead - 12; Mercury - 2.3;
Nickel - 43,268; Silver - >4.

The analytical results from the Coarse Refuse Seep (CRS) and Coarse Refuse Boundary samples collected during the 9/93 state inspection have been received and are attached.

INSPECTION REPORT

(Continuation sheet)

Page 4 of 6

PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: 11/17-19/93

Water samples were collected from three separate locations during the inspection. The locations are as follows: Discharge Culvert for the Clear Water Pond (UPDES outfall #004); Discharge Pipe of the Twin Shaft Tanks (UPDES outfall #015); Down Gradient of Outfall #015 immediately prior to entering Grassy Trail Creek.

The #004 water samples were collected on 11/18/93 at 10:40. Field analyses were concurrently conducted and the results are as follows: Temperature = 43.0 ° F; Conductivity = 1330 umhos/cm; pH = 8.1. Two sample bottles were filled with water from #004. One preserved (HNO₃) water bottle was filled with unfiltered water. The second bottle, for general chemical analysis, was similarly not filtered. The two sample bottles were immediately placed in a cooler.

Analytical results from #004 are as follows: Iron (total) = 0.92 mg/L; Manganese (total) = 0.05 mg/L; Total Suspended Solids (TSS) = 213 mg/L; Total Dissolved Solids (TDS) = 1,480 mg/L. UPDES Permit No. UT0024759 limit for Daily Maximum TSS is 70 mg/L. Therefore, NOV N 93-32-7-1 was issued for "Failure to meet all Utah and Federal water quality standards and effluent limitations as described in UPDES Permit No. UT 0024759". The violation pertains to UPDES discharge point #004.

The #015 and the down gradient from #015 water samples were collected on 11/18/93 at 14:00. Field analyses were not conducted. At each site, one general chemistry water bottle was filled with unfiltered water. The two sample bottles were immediately placed in a cooler.

All sample bottles remained in the cooler until I returned to Salt Lake City. They were then transferred to a refrigerator where they remained until the afternoon of 11/23/93. On 11/23/93, all of the sample bottles were hand delivered to the Mountain States Laboratories. Laboratory personnel received the samples on 11/23/93. A copy of the chain of custody document will be available upon request.

Additional field analyses were conducted during the inspection and are as follows:

CRS - pH = 6.1, Conductivity = 4500 umhos/cm, Temperature = 54 F°;
SEESCS - pH = 2.1.

It should be noted that SCC personnel, utilizing their own pH meter, concurrently conducted pH measurements. The results are as follows: CRS - pH = 6.8, SEESCS - pH = 2.4. The operator was told that the anomalies between Division and SCC's equipment was probably the result of calibration error. Therefore, I instructed the operators to calibrate their meters each day they are in use and preferably every fifth sample.

After review of analytical results from the CRS, it was noticed that some metals were reported as dissolved. The operators informed me that they do not or have not filtered samples

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(Continuation sheet)

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PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: 11/17-19/93

in the field. Therefore, the laboratory performing and reporting the water analysis must revise the reporting of data or substantiate the claim that the resulting metal concentrations are in fact dissolved.

e. EFFLUENT LIMITATIONS

The Division of Water Quality issued a violation to SCC on November 15, 1992. The violation was issued for UPDES exceedances from outfalls #015 & 001.

7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS

NOV N93-32-~~0~~-1 was written for "Conducting mining activities outside of the approved disturbed area. Failure to conduct coal mining and reclamation activities only on lands specifically designated in the permit. Placement of coarse refuse in an undisturbed diversion ditch". The portion of the operation to which the notice applies is the undisturbed diversion ditch east of the Sacco Flats Temporary Coarse Refuse Storage Area. Immediately below culvert C-12 coarse refuse has spilled over and into the undisturbed diversion ditch. The abatement requirements are to remove refuse from the undisturbed diversion ditch.

During the inspection, subsoil and lithic material from Borrow Area III was being placed on the fourth terrace of the Coarse Refuse Pile so that it may be graded onto the face of the third lift.

Mr. J. Randall Harden (DOGM) granted an extension for the abatement of NOV N93-32-5-2, 2 of 2 until November 30, 1993.

11. CONTEMPORANEOUS RECLAMATION

Coarse grading work and the construction of temporary sediment control structures (straw bales) has been completed in Fan Canyon. Additional backfilling will be required next field season in order to fully reclaim the remaining highwalls. As a result of the regrading, the operator will not have to install the culvert which was the subject of violation N92-32-17-1.

The fan housing and transformers from the No. 2 Canyon Fan Area have been removed as part of the demolition activities conducted prior to reclamation. Mr. Hess informed me that this site will be reclaimed by the Fall of 1994.

21. BONDING & INSURANCE

Marcia Petta reviewed the Bonding information. The operator was informed that the liability insurance for the mine runs out on December 22, 1993.

INSPECTION REPORT

(Continuation sheet)

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PERMIT NUMBER: ACT/007/007

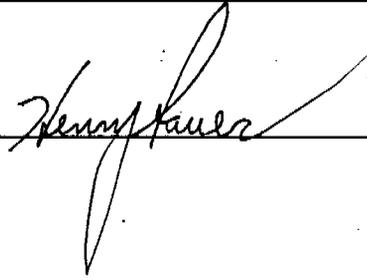
DATE OF INSPECTION: 11/17-19/93

Copy of this Report:

Mailed to: Bernie Freeman (OSM), Gary Gray (SCC)

Given to: Joe Helfrich (DOGM)

Inspector's Signature: _____



#32

Date: 11/30/93

UTAH STATE HEALTH DEPARTMENT
 DIVISION OF LABORATORY SERVICES
 Environmental Chemistry Analysis Report

RECEIVED

NOV 12 1993

SUNNYSIDE COARSE REFUSE BOUNDARY
 DIVISION OF OIL, GAS AND MINING
 3 TRIAD CENTER SUITE 350
 SALT LAKE CITY UT 84180

DIVISION OF
 OIL, GAS & MINING

538-5340

Description: SUNNYSIDE COARSE REFUSE BOUNDARY
 Site ID: Source: 00 Date of Review and QA Validation
 Cost Code: 3508 Inorganic Review: 93/10/28
 Lab Number: 9309463 Type: 04 Organic Review:
 Sample Date: 93/09/17 Time: 14:33 Radiochemistry Review:
 Tot. Cations: 1258 Microbiology Review:
 Tot. Anions: 2997 mg/l Cations: 69.1 me/l
 Grand Total: 4255 mg/l Anions: 65.8 me/l

Laboratory Analyses

T.Sus.Sol	<3 mg/l	D-Arsenic	<5 ug/l
D-Boron	780 ug/l	D-Cadmium	<1 ug/l
D-Calcium	440.0 mg/l	D-Chromium	<5 ug/l
D-Copper	<30 ug/l	D-Iron	<35 ug/l
D-Lead	<3 ug/l	D-Magnesium	310.0 mg/l
D-Mangan	<10 ug/l	D-Nickel	5 ug/l
D-Potassium	28.0 mg/l	D-Selenium	4 ug/l
D-Silver	<2 ug/l	D-Sodium	480 mg/l
D-Zinc	<30 ug/l	Bicarbonate	400.0 mg/l
Carbonate	0 mg/l	Chloride	140.0 mg/l
Sulfate	2661.2 mg/l	Tot. Alk.	328.0 mg/l
TDS @ 180C *	4858.0 mg/l	H+Aluminum	<300.0 ug/l
H+Arsenic	<5 ug/l	H+Cadmium	<1.0 ug/l
H+Chromium	<5 ug/l	H+Copper	<30 ug/l
H+Iron	<0.035 mg/l	H+Lead	<3 ug/l
H+Mangan	<10 ug/l	H+Nickel	5 ug/l
H+Selenium	4 ug/l	H+Silver	<2 ug/l
H+Zinc	<30 ug/l		

TDS Holding time was exceeded before analysis was completed.

UTAH STATE HEALTH DEPARTMENT
 DIVISION OF LABORATORY SERVICES
 Environmental Chemistry Analysis Report

RECEIVED

NOV 12 1993

SUNNYSIDE COARSE REFUSE SEEP
 DIVISION OF OIL, GAS AND MINING
 3 TRIAD CENTER SUITE 350
 SALT LAKE CITY UT 84180

DIVISION OF
 OIL, GAS & MINING

538-5340

Description: SUNNYSIDE COARSE REFUSE SEEP		Date of Review and QA Validation
Site ID:	Source: 00	Inorganic Review: 93/10/28
Cost Code: 350B		Organic Review:
Lab Number: 9309462	Type: 04	Radiochemistry Review:
Sample Date: 93/09/17	Time: 13:55	Microbiology Review:
Tot. Cations: 1419		
Tot. Anions: 3561 mg/l	Cations: 76.8 me/l	
Grand Total: 4980 mg/l	Anions: 78.4 me/l	

Laboratory Analyses

T.Sus.Sol	30 mg/l	D-Arsenic	<5 ug/l
D-Boron	1000 ug/l	D-Cadmium	<1 ug/l
D-Calcium	520.0 mg/l	D-Chromium	<5 ug/l
D-Copper	<60 ug/l	D-Iron	16000 ug/l
D-Lead	<3 ug/l	D-Magnesium	320.0 mg/l
D-Mangan	1500 ug/l	D-Nickel	8 ug/l
D-Potassium	39.0 mg/l	D-Selenium	<1 ug/l
D-Silver	<2 ug/l	D-Sodium	540 mg/l
D-Zinc	<60 ug/l	Bicarbonate	576.0 mg/l
Carbonate	0 mg/l	Chloride	102.5 mg/l
Sulfate	3175.9 mg/l	Tot. Alk.	472.0 mg/l
TDS @ 180C *	5362.0 mg/l	H+Aluminum	<300.0 ug/l
H+Arsenic	<5 ug/l	H+Cadmium	<1.0 ug/l
H+Chromium	<5 ug/l	H+Copper	<60 ug/l
H+Iron	17 mg/l	H+Lead	<3 ug/l
H+Mangan	1500 ug/l	H+Nickel	8 ug/l
H+Selenium	<1 ug/l	H+Silver	<2 ug/l
H+Zinc	<60 ug/l		

TDS Holding time was exceeded before analysis was completed.



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

INSPECTION REPORT

J. P. J.

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

Partial: Complete: Exploration:
Inspection Date & Time: 10/26-28/93
Date of Last Inspection: 9/15-17/93

Mine Name: Sunnyside Coal Mine County: Carbon Permit Number: ACT/007/007
Permittee and/or Operator's Name: Sunnyside Coal Company (SCC)
Business Address: PO Box 99, Sunnyside, Utah 84539
Type of Mining Activity: Underground Surface Prep. Plant Other
State Official(s): Henry Sauer, Ken Wyatt
Company Official(s): Gary Gray, Chuck Rempes
Federal Official(s): _____
Weather Conditions: Clear, cold and windy
Existing Acreage: Permitted-14475 Disturbed-310 Regraded-0 Seeded-0 Bonded-310
Increased/Decreased: Permitted- Disturbed- Regraded- Seeded- Bonded-
Status: Exploration/ Active/ Inactive/ Temporary Cessation/ Bond Forfeiture
Reclamation (Phase I/ Phase II/ Final Bond Release/ Liability Year)

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

Instructions

- Substantiate the elements on this inspection by checking the appropriate performance standard.
 - For complete inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check N/A.
 - For partial inspections check only the elements evaluated.
- Document any noncompliance situation by referencing the NOV issued at the appropriate performance standard listed below.
- Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
- Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments.

	EVALUATED	N/A	COMMENTS	NOV/ENF
1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. SIGNS AND MARKERS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. NONCOAL WASTE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4th Quarter-April, May, June) _____ (date)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. AIR QUALITY PERMIT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INSPECTION REPORT

(Continuation sheet)

Page 2 of 2

PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: _____

(Comments are Numbered to Correspond with Topics Listed Above)

7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS

The majority of the duration on site was dedicated to conducting a survey to define the flow pattern underneath the Coarse Refuse Pile (CRP). A resistivity array was established to search for areas of high conductance relative to the surrounding area. The theory being that regions within the CRP which contained a relatively high water content would be detected. A preliminary review of the data indicates an anomaly on the northern extreme of the CRP. Additional analysis and plotting will be forthcoming.

4. HYDROLOGIC BALANCE:
a. DIVERSIONS

While on site the week of October 18, 1993 (conducting ground surveys) and as observed during this inspection, precipitation had accumulated on some of the CRP terraces. NOV N93-32-5-2, part 2 of 2 was written subsequent to last months inspection for "Failure to maintain diversion structures". The portion of the operation to which the violation applies was the Coarse Refuse Pile (CRP) 100 yr.-6 hr. drainage system. The original subject (see 9/93 inspection report) of this violation was the main diversion ditch on the south end of the CRP. Subsequent to the observations made during this partial inspection NOV N93-32-5-2, part 2 of 2 was modified to include drainage off the terraces. The abatement is to construct the terrace so that they drain surface water. The abatement deadline was put at no later than 5:00 p.m. November 19, 1993.

d. WATER MONITORING

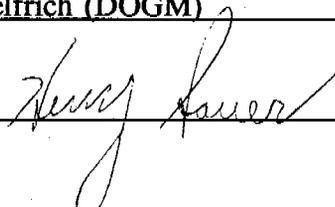
The undersigned inspector requested copies of the water monitoring lab sheets for the coarse refuse seep (CRS) and the coarse refuse boundary (CRB) monitoring locations. After review of these laboratory results and review of the third quarter water monitoring summary it was determined that the August 1993 results from the CRB were incorrectly entered under the CRS. The permittee has submitted (November 1, 1993) a corrected spread sheet to replace the incorrect summary.

Copy of this Report:

Mailed to: Bernie Freeman (OSM), Gary Gray (SCC)

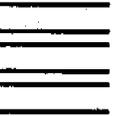
Given to: Joe Helfrich (DOGM)

Inspector's Signature: _____



_____ Date: _____

UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS



1

SENDER INSTRUCTIONS

- Print your name, address and ZIP Code in the space below.
- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.



PENALTY FOR PRIVATE USE, \$300

RETURN TO

Print Sender's name, address, and ZIP Code in the space below.

STATE OF UTAH
NATURAL RESOURCES
OIL, GAS, & MINING
9 TRIAD CENTER, SUITE 350
SALT LAKE CITY, UTAH 84180-1203

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional services requested.
1. Show to whom delivered, date, and addressee's address. 2. Restricted Delivery (Extra charge)

<p>3. Article Addressed to:</p> <p>DAVID PEARCE SUNNYSIDE COGEN ASSOC PO BOX 58087 SLC UT 84158</p> <p>DOG M SM ACT/007/007 C93-32-1-1</p>	<p>4. Article Number P 074 975 461</p> <p>Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise</p> <p>Always obtain signature of addressee or agent and DATE DELIVERED.</p>
<p>5. Signature - Address X</p>	<p>8. Addressee's Address (ONLY if requested and fee paid)</p>
<p>6. Signature - Agent X <i>Michael M. Swann</i></p>	
<p>7. Date of Delivery <i>12-15-93</i></p>	



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

ACT/007/007
C93-32-1-1
general file

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-358-3940 (Fax)
801-538-5319 (TDD)

December 13, 1993

Mr. David Pearce
Sunnyside Cogeneration Associates
P.O. Box 58087
Salt Lake City, UT 84158

Re: Sunnyside Cogeneration Associates, Sunnyside Refuse & Slurry, ACT/007/035

Dear Mr. Pearce:

Enclosed is a copy of a final assessment which was mailed December 10, 1993 to you in error as agent for Sunnyside Cogeneration Associates. The assessment should have been mailed to Sunnyside Coal Company. The correction has been made and the proper parties will receive this notice.

I apologize for any inconvenience that this has caused.

Very truly,

Sally Marelius
Coal Secretary

:SM
Enc.

cc: Fred Finlinson, Esq.





State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

December 10, 1993

CERTIFIED RETURN RECEIPT REQUESTED
P 074 975 461

ERRATA

Mr. David Pearce
Sunnyside Cogeneration Associates
P.O. Box 58087
Salt Lake City, UT 84158

Re: Finalized Assessment for State Violation #C93-32-1-1, Sunnyside Refuse & Slurry, Sunnyside Cogeneration Associates Mine, ACT/007/007, Folder #5, Carbon County, Utah

Dear Mr. Pearce:

The civil penalty for the above-referenced violation has been finalized. This assessment has been finalized as a result of a review of all pertinent data and facts including those presented in the assessment conference by you or your representative and the Division of Oil, Gas and Mining inspector.

Within fifteen (15) days of your receipt of this letter, you or your agent may make a written appeal to the Board of Oil, Gas and Mining. To do so, you must escrow the assessed civil penalty with the Division within a maximum of thirty (30) days of receipt of this letter, but in all cases prior to the Board Hearing. Failure to comply with this requirement will result in a waiver of your right of further recourse.

If no timely appeal is made, this assessed civil penalty must be tendered within thirty (30) days of your receipt of this letter. Please remit payment to the Division, mail c/o Vicki Bailey at the address listed above.

Thank you for your cooperation.

Sincerely,


Ronald W. Daniels
Assessment Conference Officer

sm
Enclosure



WORKSHEET FOR ASSESSMENT OF CESSATION ORDERS
UTAH DIVISION OF OIL, GAS AND MINING

COMPANY/MINE Sunnyside Refuse & Slurry/Sunnyside Cogeneration Associates CO # C-93-32-1-1

PERMIT # ACT/007/007 VIOLATION 1 OF 1

Date of Abatement of Cessation Order: 5/2/93

Assessment Conference Report: The company made the argument before the Assessment Conference Officer that R645-100-800, "Computation of Time", might be the appropriate rule governing time periods for cessation orders.

Ut. Admin. R645-100-810 states that "except as otherwise provided, computation of time under the R645 Rules is based on calendar days." To apply R645-100-800 to cessation orders (C.O.'s) would negate the usefulness of a C.O. as an enforcement device. It is clear that the provisions of R645-401-420 would apply to C.O.'s so that each day during which such failure (to abate) continues a fine of \$750 applies.

The assessment is finalized as proposed.

Date of Receipt of Cessation Order: 4/28/93

List the days of Failure to Abate: 4

Number of Days x \$750.00/day = TOTAL ASSESSED FINE: \$3,000

Assessment Date 12/10/93

Assessment Officer: Ronald W. Daniels

 Proposed Assessment X Final Assessment

INSPECTION REPORT

(Continuation sheet)

Page 2 of 2

PERMIT NUMBER: ACT/007/007 DATE OF INSPECTION: 14 & 15 September 1993

(Comments are Numbered to Correspond with Topics Listed Above)

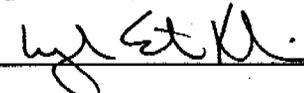
1)

During the inspection, it became apparent that coal and/or coal refuse from the adjacent cogeneration facility was being returned to the refuse pile. The plan contains no provision for such an activity, so NOV#93-40-7-1 was issued.

Copy of this Report:

Mailed to: Bernie Freeman (OSM), Gary Gray (SCC)

Given to: Joe Helfrich (DOGM), Henry Sauer (DOGM)

Inspector's Signature: 

#40 Date: 17 September 1993



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

INSPECTION REPORT

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

Partial: ___ Complete: X Exploration: ___
Inspection Date & Time: 9/15/93: 1:30 pm to 6:00 pm
9/16/93: 8:00 am to 5:00 pm, 9/17/93: 7:30 am to 3:30
Date of Last Inspection: August 23, 1993

Mine Name: Sunnyside Coal Mine County: Carbon Permit Number: ACT/007/007
Permittee and/or Operator's Name: Sunnyside Coal Company (SCC)
Business Address: PO Box 99, Sunnyside, Utah 84539
Type of Mining Activity: Underground X Surface ___ Prep. Plant ___ Other ___
State Official(s): Henry Sauer Company Official(s): Gary Gray, Chuck Rempes, Peter Hess
Federal Official(s): None Weather Conditions: Clear and cold.
Existing Acreage: Permitted-14475 Disturbed-310 Regraded-0 Seeded-0 Bonded-310
Increased/Decreased: Permitted-___ Disturbed-___ Regraded-___ Seeded-___ Bonded-___
Status: Exploration/ X Active/ Inactive/ Temporary Cessation/ Bond Forfeiture
Reclamation (Phase I/ Phase II/ Final Bond Release/ Liability Year)

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

Instructions

- Substantiate the elements on this inspection by checking the appropriate performance standard.
 - For complete inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check N/A.
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- Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments.

	EVALUATED	N/A	COMMENTS	NOV/ENF
1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. SIGNS AND MARKERS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8. NONCOAL WASTE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4th Quarter-April, May, June)_____ (date)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. AIR QUALITY PERMIT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



INSPECTION REPORT

(Continuation sheet)

Page 2 of 6

PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: 9/15-17/93

(Comments are Numbered to Correspond with Topics Listed Above)

GENERAL COMMENTS

The undersigned inspector was accompanied by Mr. Peter Hess and Mr. Chuck Rempes during the field portion of this complete state inspection. At the beginning of the inspection I presented my state identification and stated my intentions of conducting a complete inspection of the mine site. The inspection included the Sunnyside Cogeneration Association (SCA) permit area.

Because there were a multitude of permitting and enforcement actions currently in the process of resolution, the inspection was directed towards the general maintenance of the site and the collection of refuse and water samples.

1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE

The following notices of violation (NOV) have been extended until October 22, 1993: N93-32-3-8, 2 of 8 and 8 of 8; N93-32-2-5, 2 of 5. NOV N93-32-4-1 has been extended until October 4, 1993.

Two Federal violation (NOV 93-020-370-005, TV2 , parts 1 and 2) are pending abatement.

Mr. Hugh Klien (DOGM) conducted a complete state inspection of the SCA facility during the month of August, 1993. Numerous violations (N93-40-5-9) were cited during this inspection. The DOGM considers SCC and SCA jointly responsible for compliance within SCA's permit area.

NOV N92-32-14-1 was vacated by Mr. Lowell P. Braxton on August 24, 1993.

The following records were reviewed: 2nd Quarter Water Monitoring Reports, 2nd Quarter MSHA Weekly Pond Inspection Reports; 2nd Quarter Non-MSHA Pond Inspection Reports; Proof of Insurance Documents; 2nd Quarter UPDES Reports.

2. SIGNS AND MARKERS

The mine identification sign was in place and located at the main entrance to the property. In addition, mine identification signs are in place on the Coarse Refuse Haul Road at the property boundary between SCC and SCA.

New stream buffer zones signs have been placed throughout the stream corridor length.

INSPECTION REPORT

(Continuation sheet)

Page 3 of 6

PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: 9/15-17/93

4. HYDROLOGIC BALANCE:

a. DIVERSIONS

The culvert inlet for the Coarse Refuse Toe Pond has a slight accumulation of sediments which must be removed.

The drainage ditch on the east side of the Manshaft pad needs to be reestablished.

The berm on the outside of the Whitmore Fan has been reconstructed.

The culvert inlet across the haul road from the lower mine access road is eroding and must be repaired so as to be stable.

The slurry pile diversion ditch on the access road to the clear water pond must be augmented.

c. OTHER SEDIMENT CONTROL MEASURES

The silt fence for the Whitmore Fan BTCA was ripped and nonfunctional when initially observed. The operator repaired the fence prior to the completion of the inspection.

The silt fence above culvert C-5 needs to be repaired. The fence was functional at the time of the inspection.

d. WATER MONITORING

Water samples were collected from three separate locations during the inspection. The locations are as follows: Coarse Refuse Seep (CRS); Coarse Refuse Boundary (CRB); South Embankment of the East Slurry Cell Seep (SEESCS).

The CRS water samples were collected on 9/17/93 at 13:55. Field analyses were concurrently conducted and the results are as follows: Temperature = 79.5 ° F; Conductivity = 5040 umhos/cm; pH = 6.54. Three sample bottles were filled with water from the CRS. One preserved (HNO₃) water bottle was filled with water which was filtered through a 0.45 micrometer filter. The other preserved water bottle was filled with unfiltered water. The third bottle, for general chemical analysis, was similarly not filtered. All three sample bottles were immediately placed in a cooler.

The CRB water samples were collected on 9/17/93 at 14:33. Field analyses were concurrently conducted and the results are as follows: Temperature = 62.0 ° F; Conductivity = 4050 umhos/cm; pH = 7.32. Three sample bottles were filled with water from the CRB. One preserved (HNO₃) water bottle was filled with water which was filtered through a 0.45

INSPECTION REPORT

(Continuation sheet)

Page 4 of 6

PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: 9/15-17/93

micrometer filter. The other preserved water bottle was filled with unfiltered water. The third bottle, for general chemical analysis, was similarly not filtered. All three sample bottles were immediately placed in a cooler.

The SEESCS water sample was collected on 9/16/93 at approximately 12:30. Field analyses were concurrently conducted and the results are as follows: Temperature = --- ° F; Conductivity > 100,000 umhos/cm; pH = 2.05. One sample bottle was filled with water from the SEESCS. One preserved (HNO₃) water bottle was filled with water which was filtered through a 0.45 micrometer filter. The sample bottle was immediately placed in a cooler. It should be noted that on 9/15/93 I excavated a small portion of the SEESCS area to create a collection zone for the purposes of collecting a water sample.

All sample bottles remained in the cooler until I returned to Salt Lake City. They were then transferred to a refrigerator where they remained until the afternoon of 9/20/93. On 9/20/93 all of the sample bottles were hand delivered to the Utah State Health Lab. Laboratory personnel received the samples at 13:36 on 9/20/93. A copy of the chain of custody document will be available upon request.

Additional field analyses were conducted during the inspection and are as follows:

Location	pH	*Cond.	Temp. °F	Date
CRS	6.4	4,550	----	9/15/93
CRS	6.5	4,410	75.6	9/16/93
CRB	7.3	3,170	60.0	9/16/93
#Above CRS	8.6	3,160	61.3	9/16/93
SEESCS	2.13	>100,000	----	9/15/93
SEESCS	2.37	>100,000	70.9	9/17/93

* Conductivity in umhos/cm

Seep approximately 100 feet in elevation above the CRS

7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS

The Sacco Flats temporary refuse pile has a roof bolt in place which indicates that all refuse placed to the north of the bolt has been placed there since August 28, 1993.

INSPECTION REPORT

(Continuation sheet)

Page 5 of 6

PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: 9/15-17/93

NOV 93-32-5-2, part 2 of 2 was written for "Failure to maintain diversion structures". The portion of the operation to which the violation applies is the Coarse Refuse Pile (CRP) 100 yr.-6 hr. drainage system. At the beginning of the inspection the rip-rap energy dissipators at the south end of each terrace were not in place. The operator was able to place rip-rap these locations prior to the end of the inspection. The ditch on the south end of the CRP which runs parallel with the slope and is designed to receive drainage from each terrace was not maintained as designed. The third and fourth (from the bottom) terraces obscured the ditch on the south end of the pile. This effectively created a situation where drainage flowing to the south on the fourth terrace would flow onto the third terrace and all the drainage above the fourth terrace would not be able to enter the ditch on the south end of the pile.

NOV 93-32-5-2, part 1 of 2 was written for "Failure to place, in a controlled manner, and/or treat acid-forming material. Failure to place coal mine waste in an approved disposal facility". The portion of the operations to which the violation applies is the Old Coarse Refuse Pile Haul Road. At three separate locations on the outslope of the Old Coarse Refuse Pile Haul Road refuse samples were collected from the top 12". One sample of a hardpan encountered at the interface between the refuse and soil was collected. Each sample was passed through a Mesh # 10 sieve, saturated with deionized water, analyzed for pH, filtered through a 0.45 micrometer filter and the saturated extract analyzed for electrical conductivity (E.C.). The results are as follows:

Refuse Sample #1: pH = 3.41; E.C. = 4.65 mmhos/cm
Refuse Sample #2: pH = 2.01; E.C. = 9.66 mmhos/cm
Refuse/ Soil Interface #2A: pH = 3.76; E.C. = 3.5 mmhos/cm
Refuse Sample #3: pH = 2.35; E.C. = 4.46 mmhos/cm

It should be noted that the saturated condition of the soil/refuse sample should be maintained for preferably 24 hours but at least 4 hours (ASA Mono No. 9 page 169). The pH and E.C. of the samples were determined immediately after saturation procedures were followed.

Based on the information provided above the noted enforcement action was taken.

9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES

The section of Grassy Trail Creek below the confluence with No. Canyon 2 was observed. The bottom sediments appeared to be free of coal fine and possibly the combination of organically complexed flocculated colloids mentioned in my June, 1992 inspection report. The majority of the deposition mentioned above was removed by the flash flood in July 1992. Some stream gravels were turned over and approximately 5-10 macroinvertebrates were noted under each rock.

INSPECTION REPORT

(Continuation sheet)

Page 6 of 6

PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: 9/15-17/93

SCC attempted to vacuum some of the coal fines adjacent to Grassy Trail Creek below the train loadout. Mr. Hess informed me that alternating layers of coal and "soil" were encountered during the vacuuming. The treatment resulted in little visual variation from the untreated areas. The operator should explore other clean up options.

16. ROADS:

a. CONSTRUCTION/MAINTENANCE/SURFACING

The permittee submitted road cross-sections as a means of abating NOV N93-32-3-8, 7 of 8. During this inspection the following cross-section were field verified: E;M;D;. No glaring errors were observed. Therefore, the aforementioned NOV was terminated.

b. DRAINAGE CONTROLS

The drainage ditch adjacent to the Twin Shaft Road had a portion of the ditch filled in by cattle traffic. This section of the ditch must be reestablished.

A portion of the No. 2 Canyon Road ditch was obscured for approximately 100 feet. The operator was instructed to reestablish the ditch.

Copy of this Report:

Mailed to: Bernie Freeman (OSM), Gary Gray (SCC)

Given to: Joe Helfrich (DOGM)

Inspector's Signature: Henry Sauer

#32 Date: 10/1/93



Page 2

- Partial
- Complete
- Exploration

Inspection Date: August 23, 1995
Time: 8:30 am pm to 1:30 am pm
Date of Last Inspection: 7/27/93

Mine Name: Sunnyside Coal County: Carbaw Permit Number: Act/007/007
Permittee and/or Operator's Name: Sunnyside Coal Co.
Business Address: P.O. Box 99, Sunnyside, Utah 84539
Type of Mining Activity: Underground Surface Prep. Plant Other
State Official(s): BILL MALENCIK
Company Official(s): Pet Hers
Federal Official(s): N/A.

Weather Conditions: Pt. Cloudy
Existing Acreage: Permitted-14475 Disturbed-310 Regraded- Seeded- Bonded-310
Increased/Decreased: Permitted- Disturbed- Regraded- Seeded- Bonded-
Status: Exploration / Active / Inactive / Temporary Cessation / Bond Forfeiture
 Reclamation (Phase I / Phase II / Final Bond Release / Liability Year)

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

Instructions

1. Substantiate the elements on this inspection by checking the appropriate performance standard.
 - a. For complete inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check N/A.
 - b. For partial inspections check only the elements evaluated.
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3. Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments. *(See attached)*

	EVALUATED	N/A	COMMENTS	NOV/ENF
1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. SIGNS AND MARKERS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. NONCOAL WASTE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4th Quarter-April, May, June) <u> </u> (date)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. AIR QUALITY PERMIT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

inspection report

INSPECTION REPORT COMMENTS

Permit No. Act/007/007

Inspection Date 8/23/93

Please number comments to correspond with topics on previous page.

Signs & Markers. Observed signs & markers at the main and upper mine sites. Did not inspect the lower mine site. New stream buffer zone signs & disturbed markers were recently installed on the mine water line near the main-shaft pond.

Drainage. A road culvert was nearly blocked on the road to the twin-main-shaft area. No signs or evidence that the culvert problem described herein resulted in short circuiting, runoff going to the wrong place. It was fortunate that no significant storms hit the area. On the other hand the blockage undoubtedly resulted from a storm the previous week. The culvert was cleaned before the inspection closed.

Sediment Pond & Impoundments. Observed the main-shaft sediment pond and the three mine water impoundments. Main-shaft pond was dry. Also mine water ponds 002 A & B. Mine water pond 001 was receiving mine water from both pipelines, was full and discharging.

Other Sediment Control. A silt fence that provides redundant runoff control at the upper mine site was in need of repair. Since runoff drains into a sediment pond and whereas no runoff was observed that bypassed the silt fence and the operator repaired the silt fence before the close out, no violation was issued.

Copy of report mailed to see Pet Had, OSM/ Mr Petta, Doug Joe Helbuch

Copy of report given to filed PFO

Inspector's signature

Jim J. Pralnick

No. 26

WHITE - DOGM YELLOW - OSM PINK - PERMITTEE/ OPERATOR GOLDENROD - NOV FILE

8/26/93

INSPECTION REPORT

(Continuation sheet)

Page 2 of 3

PERMIT NUMBER: ACT/007/007 DATE OF INSPECTION: 4,5,10 & 11 August 1993

(Comments are Numbered to Correspond with Topics Listed Above)

1)

In the area adjacent to the south side of the #2 Slurry Pond, a number of coal fine piles were observed. Following this observation, text and maps in the PAP were reviewed in order to find out the designation of this area and how it was permitted. This review of the permit yielded no information (text or maps) showing that the above noted site was permitted for location of coal fines. As such, NOV #93-40-5-9 (2 of 9) was issued, "For failure to conduct coal mining and reclamation operations in accordance with the approved plan. For failing to locate coal fines in accordance with the PAP."

R645-301-527.100 states that, "The plan must classify each road." R645-301-527.110 then states that, "Each road will be classified as either a primary road or ancillary road." Currently, numerous roads in the permit area lack any designation. For this, NOV #93-40-5-9 (5 of 9) was issued, "For failing to classify each road in the PAP." Additional information regarding roads can be found under the roads section of this report.

While inspecting the permit area boundary, three areas, where mining related activities were taking place, were found to be outside the permit area boundary. The Revegetation Test Plot Topsoil Pile, part of the Revegetation Test Plot and part of the outlet diversion of the Pasture Pond are outside the permit area boundary. "For failing to conduct coal mining and reclamation only on lands specifically designated in the permit," NOV #93-40-5-9 (8 of 9) was issued.

3)

Disturbance created by the placement of sediment pond waste adjacent to the Coarse Refuse Toe Sediment Pond (see item 4b below for further discussion) was done without stripping topsoil prior to the disturbance. As such, NOV #93-40-5-9 (7 of 9) was issued, "For failing to separate and segregate topsoil from an area prior to disturbance."

4b)

The Coarse Refuse Toe Sediment Pond was cleaned recently and the material that was removed was placed adjacent to the pond. Disposal of sediment pond waste in such a manner is not in accordance with the approved plan. As a result, NOV #93-40-5-9 (6 of 9) was issued, "For failing to dispose of sediment pond waste in accordance with the approved plan."

4c)

During the course of the inspection, four of the topsoil piles inspected were found to be without sediment control. The piles of concern are as follows: the Rail Cut Topsoil Pile, the Clearwater Topsoil Pile, the Test Plot Topsoil Pile and the Access Road Topsoil Pile. None of the runoff from these topsoil piles report to a sediment pond. In addition, there is nothing in the plan showing that these areas utilize the best technology currently available for sediment

INSPECTION REPORT

(Continuation sheet)

Page 3 of 3

PERMIT NUMBER: ACT/007/007 DATE OF INSPECTION: 4,5,10 & 11 August 1993

control. Because of this, NOV #93-40-5-9 (4 of 9) was issued, "For failing to design appropriate sediment control measures that meet the requirements of the State Program."

11)

A portion of the outslope of third lift of the coarse refuse pile and the entire outslope of the fifth lift of the coarse refuse pile have not been reclaimed. Given that it would have been practicable to reclaim these portions of the permit area by now, and that it has not occurred, enforcement action was taken. NOV #93-40-5-9 (1 of 9) was issued "For failure to perform contemporaneous reclamation."

13)

The revegetation test plot is fenced off, however the fence has fallen into a state of disrepair. On at least one occasion, the need to repair this fence has been made apparent by the undersigned to responsible parties. Specific as-builts do exist for this fence and the fence has not been maintained accordingly. "For failing to maintain the fence around the revegetation test plot," NOV #93-40-5-9 (3 of 9) was issued.

16a)

Classification of roads as required by the R645 rules was of concern and resulted in an NOV as discussed above under item 1 of this report. Additionally, surfacing of roads was of concern at the time of inspection. However, because many roads were not classified they had no maintenance plan. The lack of such a plan is not permissible, and is implicitly called for in the abatement requirements of NOV #93-40-5-9 (5 of 9). The remedial action for this NOV requires that all roads must be classified and meet all the requirements of R645-301-527.

19)

Presently, the permit does not identify all owners and controllers as required by the R645 rules. This is of particular concern, but not limited to, the activities of Savage Brothers within the permit area. As a result, NOV #93-40-5-9 (9 of 9) was issued, "For failure to provide complete and accurate ownership and control information as required by R645-301-100 et seq.

Copy of this Report:

Mailed to: Bernie Freeman & Mitch Rollings (OSM), Gary Gray (SCC)

Given to: Joe Helfrich (DOGM), Henry Sauer (DOGM)

Inspector's Signature: 

#40 Date: 18 August 1993



- Partial
- Complete
- Exploration

Inspection Date: July 27, 1993
 Time: 9:00 am pm to 3:00 am pm
 Date of Last Inspection: 6/28/93

Mine Name: Sunnyside Coal Mine County: Carbon Permit Number: Act. 007/007
 Permittee and/or Operator's Name: Sunnyside Coal Co.
 Business Address: P.O. Box 99, Sunnyside, Utah 84539
 Type of Mining Activity: Underground Surface Prep. Plant Other
 State Official(s): Bill Malencik
 Company Official(s): Pat Hess
 Federal Official(s): N/A

Weather Conditions: Warm / Breezy
 Existing Acreage: Permitted- 14475 Disturbed- 310 Regraded- _____ Seeded- _____ Bonded- 310
 Increased/Decreased: Permitted- _____ Disturbed- _____ Regraded- _____ Seeded- _____ Bonded- _____
 Status: Exploration / Active / Inactive / Temporary Cessation / Bond Forfeiture
 Reclamation (Phase I / Phase II / Final Bond Release / Liability _____ Year)

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2. SIGNS AND MARKERS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. NONCOAL WASTE	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4th Quarter-April, May, June) _____ (date)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. AIR QUALITY PERMIT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Reclamation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

inspection report

INSPECTION REPORT COMMENTS

Permit No. Act 007/007

Inspection Date 7/27/93

Please number comments to correspond with topics on previous page.

General Comments. This partial inspection included observations in the Maushatt mine water pond, Grass Trail Creek, Whitman Fan, Tipple, Number 2 Canyon, SSF Pond, Refuse Pile and immediate areas adjacent thereto. Also observed the disturbed area and control measures in Fan and Water Canyons.

Sediment Ponds & Impoundments

- Maushatt mine water pond was discharging and mine water was being pumped into the pond. A summer crew was performing general cleanup work on disturbed areas adjacent to the pond.
- Whitman mine water ponds 002A & 002B were both dry. Impoundment 002A showed evidence of recent embankment work and improvement. Work was in response to a NOV.
- SSF pond was about dry and steps taken to start cleanout operations.

Other Sediment Control. Operator had just completed repairing silt fences in fan and water canyons.

Copy of report mailed to _____

Copy of report given to _____

Inspector's signature _____ No. _____

WHITE - DOGM YELLOW - OSM PINK - PERMITTEE/OPERATOR GOLDENROD - NOV FILE

INSPECTION REPORT COMMENTS

Permit No. Act 007/007

Inspection Date 7/27/93

Please number comments to correspond with topics on previous page.

Non-Coal Waste Operator had a contractor working to perform additional disposal of non coal waste stored at the approved #2 Canyon site.

Other. Discussed with the operator the matter of completing demolition work and reclaiming fan & water canyon areas. These areas have not been used for some time for active mining operations. Except for power poles and refuse all demolition work has been completed in water canyon. Since the refuse pile is per SMCPA the refuse pile may be reclaimed by AMU under Title 4 funds.

Fan Canyon is likewise not operational. Demolition work remaining includes portal, substation.

Since AMU may be involved in reclaiming water canyon I would recommend to the permittee and the permit supervisor the following:

- (1) Complete pole removal (demolition) at water canyon this season
- (2) Reclaim disturbed area at the same time the refuse pile will be reclaimed, coordinate with AMU
- (3) Complete demolition and reclaim fan canyon this season.

Copy of report mailed to scd/Pet Hees; OSM/No Patta; DOGM/ Joe Helfrich

Copy of report given to file PFO

Inspector's signature

John J. Shulovich

No. 26

WHITE - DOGM YELLOW - OSM PINK - PERMITTEE/OPERATOR GOLDENROD - NOV FILE

8/2/93



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

INSPECTION REPORT

page 2 of 2

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

Partial: X Complete: Exploration:
Inspection Date & Time: 6/28/1993, 11:30 am to 4:30 pm
Date of Last Inspection: 5/25/1993

Mine Name: Sunnyside Coal Mine County: Carbon Permit Number: ACT/007/007
Permittee and/or Operator's Name: Sunnyside Coal Company (SCC)
Business Address: PO Box 99, Sunnyside, Utah 84539
Type of Mining Activity: Underground X Surface Prep. Plant Other
State Officials(s): Henry Sauer
Company Official(s): Chuck Rempes
Federal Official(s): None
Weather Conditions: Warm and windy
Existing Acreage: Permitted-14475 Disturbed-310 Regraded-0 Seeded-0 Bonded-310
Increased/Decreased: Permitted- Disturbed- Regraded- Seeded- Bonded-
Status: Exploration/ X Active/ Inactive/ Temporary Cessation/ Bond Forfeiture
Reclamation (Phase I/ Phase II/ Final Bond Release/ Liability Year)

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

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	EVALUATED	N/A	COMMENTS	NOV/ENF
1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. SIGNS AND MARKERS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. NONCOAL WASTE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4th Quarter-April, May, June) _____ (date)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. AIR QUALITY PERMIT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INSPECTION REPORT

(Continuation sheet)

Page 2 of 2

PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: 6/28/93

(Comments are Numbered to Correspond with Topics Listed Above)

General Comments: A portion of the inspection was dedicated to the review of the abatement measures conducted by the operator as required by the violations mentioned below. The following violations were terminated: N93-32-2-5, 4 of 5 and 5 of 5; and N93-32-3-8, 6 of 8.

4b. HYDROLOGIC BALANCE: SEDIMENT PONDS AND IMPOUNDMENTS

The Coarse Refuse Toe Pond has recently been cleaned. Excavated sediments have been placed on the south embankment of the pond. The operator was instructed to sample and analyze the material to determine its acid- and/or toxic-forming potential in accordance with the Division's sediment pond cleanout policy. The operator was also instructed to remove the material and place it in the refuse pile.

4c. HYDROLOGIC BALANCE: OTHER SEDIMENT CONTROL MEASURES

The operator submitted a letter addressed to Pamela Grubaugh-Littig, dated May 28, 1993, discussing the removal of the silt fences at the base of the Coarse Refuse Pile adjacent to the rail road right-of-way. The operator contends that these fences were never incorporated into the approved plan and should therefore be removed. The aforementioned proposal must be reviewed by Division staff to determine the disposition of the drainage controls in this area.

4d. HYDROLOGIC BALANCE: WATER MONITORING

The Division collected a water sample at the Coarse Refuse Seep (CRS). The sample was filtered through a 0.45 micron filter prior to placing the sample into a nitric acid preserved sample bottle. The sample was collected at 2:30 pm and field parameters are as follows: pH = 6.6; Conductivity = 5000 umhos/cm; Temperature = 82.7° F. The air temperature was 85° F. The sample was refrigerated when I returned to Salt Lake City and hand delivered to Mountain States Laboratories by Janean Burns (DOGM) on July 1, 1993.

7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS

The saturate refuse surrounding the seep on the south embankment of the East Slurry Cell was sampled. In addition, the white efflorescence in the area was separately sampled. The former sample was transported to the Division's office and refrigerated. The pH and electrical conductivity (E.C.) of the saturated sample was determined by filtering a portion of the sample through a 0.45 micron filter. The sample was not air dried or prepared in any way prior to filtering. The results are as follows: pH = 2.1; E.C. = 100 mmhos/cm.

Copy of this Report:

Mailed to: Bernie Freeman (OSM), Gary Gray (SCC)

Given to: Joe Helfrich (DOGM)

Inspector's Signature: _____

#32 Date: July 1, 1993

- Partial
- Complete
- Exploration

Inspection Date: June 15, 1993
 Time: 9 : 00 am pm to 1 : 00 am pm
 Date of Last Inspection: May 2, 1993

Mine Name: Sunnyside Coal Mine County: Carbon Permit Number: Act/007/007
 Permittee and/or Operator's Name: Sunnyside Coal Company
 Business Address: P.O. Box 99, Sunnyside, Utah 84539
 Type of Mining Activity: Underground Surface Prep. Plant Other
 State Official(s): Bill Malencik
 Company Official(s): Gary Gray
 Federal Official(s): N/A

Weather Conditions: Clear / Warm - Temp 70°

Existing Acreage: Permitted-14475 Disturbed-310 Regraded-0 Seeded-0 Bonded-310

Increased/Decreased: Permitted-_____ Disturbed-_____ Regraded-_____ Seeded-_____ Bonded-_____

Status: Exploration / Active / Inactive / Temporary Cessation / Bond Forfeiture
 Reclamation (Phase I / Phase II / Final Bond Release / Liability _____ Year)

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

Instructions

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 - b. For partial inspections check only the elements evaluated.
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3. Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
4. Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments.

	EVALUATED	N/A	COMMENTS	NOV/ENF
1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. SIGNS AND MARKERS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. NONCOAL WASTE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4th Quarter-April, May, June) _____ (date)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. AIR QUALITY PERMIT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

inspection report

INSPECTION REPORT COMMENTS

Permit No. Act/007/007

Inspection Date 6/15/93

Please number comments to correspond with topics on previous page.

General Comment. The purpose of the instant inspection covered two subjects as follows:

(1) Field observation of completed work to abate former violations described below and

(2) Comment on an a pending violation concerning treating disturbed runoff.

(1) Abatement work had been completed by the permittee on the following violations:

NOV N-93-40-02-02#1, unauthorized slurry activity

NOV N-93-40-02-02#2, coal fine placement

NOV N-93-32-03-08#5, internal seeding disturbed rock dust storage area

NOV N-93-32-02-05#5, non-coal waste/general cleanup

Recommend the violation be terminated.

(2) Violation N 93-32-03-08#2 with an abatement due date of 6/24/93 was reviewed to determine how the steep slope above a road and more specifically runoff from the area could be treated. The violation was issued for failure to treat undisturbed runoff. To abate the violation the solutions are two fold:

(A) Route runoff to the hoist house sediment pond or

(B) Treat the runoff with other sediment control measures (BTCA)

Copy of report mailed to _____

Copy of report given to _____

Inspector's signature _____

No. _____

WHITE - DOGM YELLOW - OSM PINK - PERMITTEE/OPERATOR GOLDENROD - NOV FILE

INSPECTION REPORT COMMENTS

Permit No. Act/007/007

Inspection Date 6/15/93

Please number comments to correspond with topics on previous page.

Discussion: The runoff from the disturbed area in question which is a minor part of the runoff is commingled with undisturbed runoff from a large steep area. The area involved goes from the hillside substation to Number 2 Canyon. The runoff is collected in an undisturbed ditch and is discharged to Number 2 Canyon.

Recommendations

- (1) The host house sediment pond capacity is not adequate to accommodate the disturbed and undisturbed runoff. However, a long run solution may include reexcavating drainages and enlarging ponds. This could be done as an outgrowth of the aerial photo/map updates and not part of the NOV abatement.
- (2) Recommend the operator submit a BIERA plan for approval and implement 10 days after division approval to treat the disturbed runoff as the disturbed and undisturbed runoff.
- (3) Recommend the abatement date and measures be modified i.e. measures submit plan and implement after approval in specified time frames.

Copy of report mailed to SCC/Gary Gray; OSM/Mn Petta; DOSM/Joel Helfrich

Copy of report given to filed PFO

Inspector's signature

Mr. J. Thelwick

No. 26

WHITE - DOGM YELLOW - OSM PINK - PERMITTEE/OPERATOR GOLDENROD - NOV FILE

6/17/93



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

INSPECTION REPORT

Handwritten initials/signature

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

Partial: X Complete: Exploration:
Inspection Date & Time: May 25, 1993, 2:30 pm to 5:30 pm
Date of Last Inspection: 4/20-28/1993

Mine Name: Sunnyside Coal Mine County: Carbon Permit Number: ACT/007/007
Permittee and/or Operator's Name: Sunnyside Coal Company (SCC)
Business Address: PO Box 99, Sunnyside, Utah 84539
Type of Mining Activity: Underground X Surface Prep. Plant Other
State Official(s): Henry Sauer, Luci Malin (AML)
Company Official(s): Peter Hess
Federal Official(s): None
Weather Conditions: Warm and windy
Existing Acreage: Permitted-14475 Disturbed-310 Regraded-0 Seeded-0 Bonded-310
Increased/Decreased: Permitted- Disturbed- Regraded- Seeded- Bonded-
Status: Exploration/ X Active/ Inactive/ Temporary Cessation/ Bond Forfeiture
Reclamation (Phase I/ Phase II/ Final Bond Release/ Liability Year)

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

Instructions

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	EVALUATED	N/A	COMMENTS	NOV/ENF
1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. SIGNS AND MARKERS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. NONCOAL WASTE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4th Quarter-April, May, June) _____ (date)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. AIR QUALITY PERMIT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INSPECTION REPORT

(Continuation sheet)

Page 2 of 2

PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: 5/25/93

(Comments are Numbered to Correspond with Topics Listed Above)

General Comments: The majority of the inspection was dedicated to the abatement of the violations mentioned below.

3. TOPSOIL

The Revegetation Test Plot Topsoil Stockpile berm has been reestablished around the entire pile. This was done in accordance with the remedial requirements of NOV N93-32-3-8, 3 of 8. The operator bladed a large ditch, thereby creating a large berm, around the stockpile. This should be adequate to prevent refuse from the area immediately surrounding the pile (pre-law) from entering the confines of the stockpile. Therefore, the aforementioned violation was terminated.

4c. HYDROLOGIC BALANCE: OTHER SEDIMENT CONTROL MEASURES

The following silt fences were observed and found to be functional at the time of the inspection: The fences below the Coarse Refuse Pile; the fences along and adjacent to the No. Two Canyon Road; and the fences within the Roadside Substation B.T.C.A. Therefore, NOV N93-32-3-8, 1 of 8 was terminated.

10. SLIDES AND OTHER DAMAGE

The following gullies (subject of NOV N93-32-3-8, 4 of 8) have been backfilled and will be reseeded this fall: Gullies on the South Embankment of the East Slurry Cell; gullies on the Railcut Pond Sedimentation Pond Embankment; and gullies immediately behind the Whitmore Fan Substation. The aforementioned violation was terminated. It should be noted that the NOV termination document requires that these areas be seeded (i.e., stabilized) in the Fall of 1993.

7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS

Luci Malin from the Abandon Mine Lands Program (AML) requested that I show her the refuse pile in Water Canyon. AML is considering placing the refuse pile on the programs reclamation inventory.

Copy of this Report:

Mailed to: Bernie Freeman (OSM), Gary Gray (SCC)

Given to: Joe Helfrich (DOGM)

Inspector's Signature: _____

#32 Date: May 28, 1993

May 2, 1993 Page 1 of 2

- Partial
- Complete
- Exploration

Inspection Date: ~~April 25, 1993~~ 05/06/93
 Time: 8:00 am pm to 11:30 am pm
 Date of Last Inspection: 3/23-24-25/93

Mine Name: Sunnyside Coal Mine County: Carbaw Permit Number: Act 007/007
 Permittee and/or Operator's Name: Sunnyside Coal Company
 Business Address: P.O. Box 99, Sunnyside, Utah 84539
 Type of Mining Activity: Underground Surface Prep. Plant Other
 State Official(s): Brie Malenick
 Company Official(s): Pet Hess
 Federal Official(s): N/A.
 Weather Conditions: Clear, Temp 60°s
 Existing Acreage: Permitted- 14475 Disturbed- 310 Regraded- 0 Seeded- 0 Bonded- 310
 Increased/Decreased: Permitted- _____ Disturbed- _____ Regraded- _____ Seeded- _____ Bonded- _____
 Status: Exploration / Active / Inactive / Temporary Cessation / Bond Forfeiture
 Reclamation (Phase I / Phase II / Final Bond Release / Liability _____ Year)

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

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1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. SIGNS AND MARKERS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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14. SUBSIDENCE CONTROL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4th Quarter-April, May, June) _____ (date)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. AIR QUALITY PERMIT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INSPECTION REPORT COMMENTS

Permit No. Act/007/007
5/2/93 QB
Inspection Date 4/25/93

Please number comments to correspond with topics on previous page.

General Comments: A partial inspection was conducted on Sunday 4/25/93. The urgency associated with the instant inspection concerned cessation order C-93-32-1-1

Other Sediment Control Measures: The operator had performed the following regarding the aforementioned cessation order:

- (1) Constructed the arch over number two canyon to prevent coal and coal like material from entering an undisturbed drainage;
- (2) Covered the arch with soil and other material and
- (3) Erected four warning signs to keep equipment off the arch.

The construction site needs a general cleanup. Recommend the cessation be terminated. The operator employee, Pete Hess, stated all the work on this project in its current state was completed 2pm, 5/2/93 QB ~~4/24/93~~ with the signs being the last work item.

Roads: Field work on traveling a primary road has been suspended pending issues currently out of the mines control i.e., cash flow & possible mine problems relating to bonding

Copy of report mailed to SOCC/Pet Hess; OSM/Mo. Petta; DOGM/Joe Helfrich

Copy of report given to filed PFO

Inspector's signature Jim J. Grubnick

No. 26

WHITE - DOGM YELLOW - OSM PINK - PERMITEE/OPERATOR GOLDENROD - NOV FILE



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

INSPECTION REPORT

[Handwritten signature]

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

Partial: ___ Complete: X Exploration: ___
Inspection Date & Time: 4/20-22/1993; 4/26-28/1993
Date of Last Inspection: 3/23-25/1993

Mine Name: Sunnyside Coal Mine County: Carbon Permit Number: ACT/007/007
Permittee and/or Operator's Name: Sunnyside Coal Company
Business Address: P.O. Box 99, State Highway 123, Sunnyside, Utah 84539
Type of Mining Activity: Underground X Surface ___ Prep. Plant ___ Other ___
Company Official(s): Gary Gray, Peter Hess, Joe Fielder
State Official(s): Henry Sauer, Hugh Klein
Federal Official(s): Edzel Pugh, Russ Porter
Weather Conditions: Variable
Existing Acreage: Permitted-14475 Disturbed-310 Regraded-___ Seeded-___ Bonded-287
Increased/Decreased: Permitted-___ Disturbed-___ Regraded-___ Seeded-___ Bonded-___
Status: Exploration/ X Active/ ___ Inactive/ ___ Temporary Cessation/ ___ Bond Forfeiture
Reclamation (___ Phase I/ ___ Phase II/ ___ Final Bond Release/ ___ Liability ___ Year)

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

Instructions

- Substantiate the elements on this inspection by checking the appropriate performance standard.
 - For complete inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check N/A.
 - For partial inspections check only the elements evaluated.
- Document any noncompliance situation by referencing the NOV issued at the appropriate performance standard listed below.
- Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
- Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments.

	EVALUATED	N/A	COMMENTS	NOV/ENF
1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. SIGNS AND MARKERS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
d. WATER MONITORING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5. EXPLOSIVES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8. NONCOAL WASTE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
13. REVEGETATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
b. DRAINAGE CONTROLS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
19. AVS CHECK (4th Quarter-April, May, June)_____ (date)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
20. AIR QUALITY PERMIT	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

INSPECTION REPORT

(Continuation sheet)

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PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: 4/20-22/93; 4/26-28/93

(Comments are Numbered to Correspond with Topics Listed Above)

GENERAL COMMENTS

Russ Porter and Edzel Pugh representing the Office of Surface Mining (OSM) accompanied the undersigned inspector and Mr. Hugh Klein (DOGM) on this complete state inspection of the mine site. OSM officials were assigned to conduct a random oversight inspection.

Cessation Order (CO) No. C93-20-1-1 was hand delivered to the mine manager Mr. Joe Fielder at 10:00 am on April 20, 1993. Mr. Fielder refused servicing of the cessation order and therefore did not sign the CO document. The CO was issued for "Failure to have adequate bond coverage in effect at all times, which is a condition of the permit." The CO required the cessation of extraction of coal from the earth or a waste pile and the transportation of coal within or from the mine site. It should be noted that Mr. Gray, in response to a question posed by the undersigned inspector, informed me that during the evening of April 20, 1993 a train was loaded with Sunnyside Mine coal and transported off site. Mr. Gray said that he had been granted this allowance, in a phone conversation, by Mr. Lowell P. Braxton, Assistant Director of DOGM.

A modification of CO C93-20-1-1 was formulated and mailed to the permittee on 4/22/93. The CO was modified as follows "Resumption of mining operations is allowed for 30 days (underlined portion crossed out and initialed by Lowell P. Braxton) based on compliance with the terms of the attached Stipulation and Agreements."

The initial portion of the inspection (4/20-22/1993) was carried out in the following manner: Mr. Klein, Mr. Pugh and Mr. Hess began a field review of the sedimentation ponds and their appurtenant structures as well as a review a variety of issues in the field as they were observed; Mr. Porter, Mr. Gray and myself began the inspection by reviewing pertinent mine records. Eventually, as a means of saving time, the above mentioned groups conducted separate field inspections of various portions of the mine. Discussions between the groups were held to review and resolve the issues raised. At the end of the first portion of the inspection, the following notices of violation were issued on site: N93-40-2-2; N93-40-3-3; and N93-32-2-5. The second portion of the inspection (4/26-28/1993) was exclusively conducted by Mr. Russ Porter and myself. At the end of the second portion of the inspection, the following notices of violation were issued: N93-32-3-8. In addition, Mr. Porter mailed a Ten-Day-Notice (seven parts) to DOGM, from the East Carbon post office.

The forthcoming account of the April, 1993 complete inspection is an attempt to identify the issues encountered during the inspection. I would suggest that the reader review the applicable mine files, NOV Inspector Statements, TDN and Division response, and the OSM's oversight inspection report for additional information. The forthcoming inspection report was coauthored by Mr. Hugh Klein (*see italicized type*).

INSPECTION REPORT

(Continuation sheet)

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PERMIT NUMBER: ACT/007/007 DATE OF INSPECTION: 4/20-22/93; 4/26-28/93

1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE

Amendment No. ACT/007/007-93A requesting the removal of the Sunnyside Cogeneration Association's (SCA) permit area from the Sunnyside Mine Company (SCC) permit area has been submitted and is pending Division approval. As a result, the inspection covered SCC's disturbed area as approved to date, which includes the SCA's disturbed and permit area.

In conjunction with the above amendment, Significant Revision No. ACT/007/007-93B requesting a reduction of SCC's reclamation bond has been submitted and is pending Division approval.

2. SIGNS AND MARKERS

The mine identification sign at the main entrance to the mine, adjacent to the employee parking lot, is in place and legible. SCA permit identification signs are located along the refuse haul road, the loop switch area, the entrance adjacent to the East Carbon Landfill, and the entrance southeast of the Reclamation Borrow Area Pond.

3. TOPSOIL

NOV N93-32-3-8, 3 of 8 was issued for "Failure to protect topsoil stockpiles from contaminants. Failure to prevent coal refuse from entering a topsoil stockpile." The violation applies to the Revegetation Test Plot Topsoil Stockpile. While on site, I observed that coal refuse (emanating from a pre-law area) had entered the confines of the topsoil stockpile berm.

4. HYDROLOGIC BALANCE:

a. DIVERSIONS

NOV N93-32-3-8, No. 8 of 8 was issued for "Failure to design and construct drainage controls to meet the requirements of the R645 Coal Mining Rules." The violation includes the entire disturbed area and adjacent undisturbed area which directly influence the design of drainage controls within the disturbed area. Essentially, the drainage maps for the disturbed area were not representative of the drainage features observed on-the-ground. Approved designs did not exist for many of the surface ditches and culverts. The following is a list of the drainage controls which were the subject of the violation.

Items #1-11 are based on Plate 5-12C (Drawing No. D4-0159, sheet 1 of 2).

Items #12-24 are based on Plate 5-12B (Drawing No. D4-0159).

The values provided within the parentheses are culvert diameters measured in the field.

- 1) Culvert C-16(?) not found on-the-ground as depicted on Plate 5-12C; no designs were provided.

INSPECTION REPORT

(Continuation sheet)

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PERMIT NUMBER: ACT/007/007 DATE OF INSPECTION: 4/20-22/93; 4/26-28/93

- 2) Culvert C-13 (two - 6") is depicted as one culvert; however, there are two culverts on-the-ground.
- 3) There is a culvert west of C-17 (48") which directs slurry into the West Slurry Cell. This culvert is not depicted and no designs were provided.
- 4) Culvert C-17; no designs provided.
- 5) Culverts which direct slurry into the No. 1 & No. 2 Slurry Cells (36") are shown but not labeled; no designs were provided.
- 6) There were no designs provided for culvert C12 (36"), C14 (24"), and C15 (36").
- 7) There is a road ditch to the west of the refuse haul road between C11 & C12. The ditch is not depicted on a map and designs were not provided.
- 8) The drainage ditch which directs flow off the Sacco Flats Temporary Coarse Refuse Storage Area is not depicted on a map and designs were not provided.
- 9) Culvert RC1-7 (12") designed as 7.5".
- 10) Culvert below the south entrance gate road, which conducts Grassy Trail Creek flow, is not depicted on a map and no designs were provided.
- 11) No designs were provided for Culvert C11 (36").
- 12) No designs were provided for Culvert C11A (18").
- 13) No designs were provided for Culvert C8 (12").
- 14) The culvert (24") down gradient and to the southwest of C8 is not designated on a map and no designs were provided.
- 15) Culvert C7 (36") designed as 30".
- 16) The culvert which directs flow from the No. Two Canyon under the facilities area pad is not designated on a map and designs were not provided.
- 17) The culvert depicted on Plate 5-12B immediately northeast of item 16 above is not designated and designs were not provided.
- 18) Culvert C6 (28") designed as 12".
- 19) The "water flow path" as depicted on Plate 5-12B which is depicted as directing flow to the north of the Coarse Refuse Bin is not indicative of the surface drainage on site.
- 20) No designs were provided for Culvert C4 (8").
- 21) The ditch adjacent to the road between the Shop and the Wash Plant is not depicted on a map and no designs were provided.
- 22) Culvert C3 is designed as a 48" culvert; however, there are two 18" culverts on-the-ground.
- 23) Two ditches are located west of the Training Building and are not depicted on a map and designs were not provided.
- 24) Parking lot drainage has created a gap in the retaining wall immediately west of the Training building. The drainage is uncontrolled and the "water flow path" is not accurately depicted on a map.
- 25) The ditch on the north side of the No. Two Canyon Material Storage Yard as depicted on Plate 5-10C (Drawing No. C4-0057) does not exist on-the-ground.
- 26) The ditch depicted on Plate 5-6A which runs parallel to the Old Coarse Refuse Haul Road does not exist on-the-ground.

INSPECTION REPORT

(Continuation sheet)

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PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: 4/20-22/93; 4/26-28/93

- 27) A diversion bench/terrace, approximately 15-20' wide, exists on the south embankment of the East Slurry Cell. This feature is not depicted on a map and no designs were provided.
- 28) A road culvert (12") exists immediately north of the inlet to the Borrow Area Sedimentation Pond and at the base of the east embankment of the East Slurry Cell. This feature is not depicted on a map and no designs were provided.

NOV N93-32-3-8, 2 of 8 was issued for "Failure to pass disturbed area drainage through a sediment control/treatment structure." The violation encompasses the culvert which drains a portion of the No. 3 Mine substation and conducts disturbed area drainage directly into the undisturbed No. Two Canyon channel. The violation also encompasses the unapproved disturbance adjacent to (west of) the Road Side substation. The culvert which drains the No. 3 Mine substation was designed and implemented. However, the culvert receives drainage from a disturbed area and does not pass drainage through a sediment control structure prior to entering the No. Two Canyon. The unapproved disturbance adjacent to the Road Side substation does not have any sediment control structure in place and does not report to a sedimentation pond prior to moving off the disturbed area.

The outlet of culvert RC7-1 had been breached. The operator repaired this damage prior to the end of the inspection.

The berm around the Whitmore Fan pad must be reestablished.

The culvert which drains the top of the Coal Loadout pad requires cleaning.

The drainage from the road immediately south of the Unit Train Loadout must be more clearly defined.

At the Twin Shaft fan, some regrading is required for positive drainage on the pad.

The outlet of the culvert by the water treatment plant needs routine maintenance.

Two inlets at the Clear Water Pond have been severely eroded. These inlets have no designs and only one is shown on the asbuilt. For this, NOV N93-40-3-3, 2 of 3 was written "For failing to design, locate, and use a sediment pond inlet diversion and its appurtenant structures so as to be stable."

b. SEDIMENT PONDS AND IMPOUNDMENTS

NOV N93-32-2-5, 4 of 5 was issued for "Failure to provide periodic sediment removal sufficient to maintain adequate volume for the design event." Observation made during the

INSPECTION REPORT

(Continuation sheet)

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PERMIT NUMBER: ACT/007/007 DATE OF INSPECTION: 4/20-22/93; 4/26-28/93

inspection revealed that the sediment elevation in the sedimentation pond was well above the primary spillway and had in fact totally covered the spillway.

The First Quarter pond inspection reports were reviewed. John S. Huefner, P.E., #3250 made note that the Lower No. Two Canyon Sediment Pond required cleaning.

The required weekly MSHA inspection reports for the East and West Slurry Cells were reviewed and found in good order. Inspections have been accounted for through April 19, 1993.

When the Man Shaft Sediment Pond was inspected, the asbuilts did not match the western embankment inslope or the secondary spillway pipe size.

At the Whitmore Mine Water ponds, a settlement hole was observed in the western embankment of the Old Whitmore Pond (002A). In addition, the asbuilts for both ponds did not match the top widths of the embankments.

The Upper #2 Canyon Pond was found to be missing riprap from the inlet (riprap is shown on the asbuilt). Furthermore, the secondary spillway needs some cleaning and the decant also needs to have some excavation performed around the outlet.

A large crack and possibly some piping was observed in the southern embankment of the SSFS pond.

No riprap was found on the Pasture Pond inlet, as is shown on the asbuilt. The sediment below the primary spillway was above the level it should be at. The outlet of the primary spillway was buried and could not be found, while the secondary spillway is approximately three quarters full of sediment.

Inspection of the Old Coarse Refuse Pond found that the 2" decant pipe had been bent and requires maintenance or possibly replacement.

Comparing asbuilts to field conditions at the Coarse Refuse Toe Sediment Pond showed that the sediment cleanout marker was missing, the inlet is not grouted, the inlet splash pad was not in place, the sediment below the decant pipe was higher than it is supposed to be, and the lower part of the emergency spillway was not configured to specifications.

Because of the problems with asbuilts not matching site conditions, NOV N93-40-3-3, 3 of 3 was written "For failure to construct and/or maintain sediment ponds as specified in the approved plan."

INSPECTION REPORT

(Continuation sheet)

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PERMIT NUMBER: ACT/007/007 DATE OF INSPECTION: 4/20-22/93; 4/26-28/93

c. OTHER SEDIMENT CONTROL MEASURES

NOV N93-32-3-8, 1 of 8 was issued for "Failure to maintain sediment control structures using the best technology currently available" (BTCA). The violation encompasses the silt fences below the railroad tracks, west of the base of the coarse refuse pile, the silt fences on the No. Two Canyon access road, and the silt fence on the west side of the Road Side Substation BTCA. The silt fences were not functioning as designed. Holes were observed in some of the fabric of the silt fences and some fences had been torn and ripped.

NOV N93-32-3-8, 5 of 8 was issued for Failure to comply with the terms and agreements of the approved permit. Failure to maintain sediment control structures for a BTCA as approved. The vegetative filter employed as sediment control for the Rock Dust Bin BTCA was ineffective. The high intensity storms which occurred last year caused debris slides and mud flows in the area. The result has been the destruction of the vegetation within the BTCA. Therefore, the sediment controls were not functioning and the aforementioned violation was issued.

The silt fences in the Fan Canyon BTCA require maintenance.

The "Great Wall of China" silt fence needs repair or removal.

The SSFS spoil pile was found to have a breached berm at its southwest corner. From the breach, runoff had flowed downslope in an uncontrolled manner for an unknown period of time. This resulted in the creation of erosion gullies, which extended into the undisturbed area down to Grassy Trail Creek. As such, NOV N93-40-3-3, 1 of 3 was written "For failure to prevent to the extent possible runoff outside the permit area."

d. WATER MONITORING

NOV N93-32-2-5, 3 of 5 was issued for "Failure to comply with the terms and agreements of the approved permit. Failure to conduct water monitoring as required in the approved plan." The operator did not provide documentation and/or results of field and laboratory analyses that the following surface water monitoring locations had been sampled: Grassy Trail (GT)-2 & 3 during January of 1993; GT-3 during February of 1993; and GT-2, 3, & 4 during March of 1993.

As a means of ascertaining the source of the elevated suspended solids emanating from the Twin Tanks UPDES discharge point (outfall #015), the operator has initiated a temporary monitoring program. The program calls for the collection and analysis of mine water immediately prior to entering the Twin Tanks and at the regular sampling point for outfall #015. The monitoring will occur for approximately two months, at the end of which the operator and

INSPECTION REPORT

(Continuation sheet)

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PERMIT NUMBER: ACT/007/007 DATE OF INSPECTION: 4/20-22/93; 4/26-28/93

Division staff will discuss the results and determine the proper course of action to reduce the concentration of suspended solids emanating from outfall #015.

e. EFFLUENT LIMITATIONS

NOV N93-32-2-5, 1 of 5 was issued for "Failure to comply with the terms and agreements of the approved plan. Failure to comply with the terms and agreements of the UPDES permit No. UT0022942. Failure to notify, in writing, within 5 days, the Division of Water Quality of a violation of a maximum discharge limitation." A UPDES effluent exceedance of the daily maximum concentration of oil and grease (Maximum Concentration Allowed = 10 mg/L) emanating from outfall #001 (Twin Shaft Mine Water Pond) occurred during March of 1993. The operator did not provide any documentation that the proper state agency had been notified within five days.

7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS

NOV N93-32-3-8, 6 of 8 was issued for "Failure to comply with the terms and agreements of the approved permit. Failure to place coal refuse in a controlled manner as approved. Coal refuse has been placed above the elevation of the west embankment of the West Slurry Cell." Run-of-mine coal refuse has been placed above the elevation of the west embankment of the West Slurry Cell." Approved amendment ACT/007/007-92K allowed the operator to dispose coal refuse in the West Slurry Cell. Refuse disposal above the elevation of the west embankment (final reclamation contour) of the cell is prohibited (See Drawing No. E4-041). End dumped piles (delivered by a 50-ton haul truck) of coal refuse were observed to be placed in a heaped manner rather than in a toe-to-toe manner. The piles were stacked on approximately 15 foot centers. The heaped placement of refuse prevents grading to attain the required minimum compaction and the required lift depth (i.e., 24 to 48-inches). Given an average dump load of 50 yards on 15 foot centers, this would result in approximately six foot lifts.

8. NONCOAL WASTE

NOV N93-32-2-5, 5 of 5 was issued for "Failure to place and store noncoal waste in a controlled manner in a designated portion of the permit area." The No. Two Canyon Noncoal Waste Storage Area was approximately 20-25 feet high and covered approximately 1000 square feet. The noncoal waste storage pile was the main source of the wind deposited garbage which was observed throughout the lower portion of the No. Two Canyon Material Storage Area. In addition, noncoal waste has been indiscriminately discarded throughout the facilities area. This material is not the salvageable scrap which is also present throughout the site but the assorted hoses, rock dust bags, 55-gallon drums, etc.

INSPECTION REPORT

(Continuation sheet)

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PERMIT NUMBER: ACT/007/007 DATE OF INSPECTION: 4/20-22/93; 4/26-28/93

10. SLIDES AND OTHER DAMAGE

NOV N93-32-3-8, 4 of 8 was issued for "Failure to minimize erosion to the extent possible." The following areas were observed to have excessive erosion: South Embankment of the East Slurry Cell; Railcut Sedimentation Pond embankment; and the hillside behind the Whitmore Fan Substation. All of the gullies which were the subject of the violation were 12 inches deep or greater. The shape and configuration of the gullies indicated that they are actively degrading.

The results of a diesel spill were observed on the No. Two Canyon Material Storage Area operations pad. The operator was instructed to clean up the spill by removing the contaminated soil material. The operator accomplished this task prior to the completion of the inspection.

12. BACKFILLING AND GRADING

An unpermitted excavation was observed adjacent to the East Slurry Cell, which had effectively enlarged the capacity of the East Slurry Cell. In addition, coal fines from cleaning out the East Slurry Cell were not disposed of in the West Slurry Cell as per the approved plan.

For the backfilling and grading activities, NOV N93-40-2-2, 1 of 2 was written for "Not conducting mining and reclamation activities in accordance with the approved plan. For not complying with all the terms and conditions of the approved permit and all applicable performance standards and requirements of the state program." Part 2 of 2 was written "For failing to conduct activities in accordance with the approved plan. Failure to place dry coal fines from the East Slurry Cell on the west side of the West Slurry Cell."

15. CESSATION OF OPERATIONS

FTA/CO No. C93-32-1-1 was issued for failure to abate NOV N92-32-8-1. NOV N92-32-8-1 was originally terminated in response to the approval of Amendment 92C which described measures to be implemented in order to prevent additional contributions of sediments to stream flow. The termination document dictated the completion of the construction activities related to Amendment 92C by no later than thirty days after approval of the amendment. The constructions of the archways as required was not completed by the end of the inspection. Therefore, the FTA/CO was issued.

16. ROADS:

a. CONSTRUCTION/MAINTENANCE/SURFACING

NOV N93-32-3-8, 7 of 8 was issued for "Failure to maintain roads in accordance with the approved designs." Typical cross sections (Plate III-17, Drawing No. D4-0096) for haul

INSPECTION REPORT

(Continuation sheet)

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PERMIT NUMBER: ACT/007/007 DATE OF INSPECTION: 4/20-22/93; 4/26-28/93

roads were reviewed. The majority of the road designs depict drainage ditches on both sides of the road surface. The cross sections did not coincide with the configurations and drainage controls observed in the field. The violation encompassed the following roads: Refuse Road (R-1); Water Canyon Road (R-2); Number Two Canyon Road (R-3); and Fan Canyon Road (R-4). Certifications for the primary roads were not provided during the inspection.

The road accessing the Twin Shaft Fan did not meet the specification as designed on Plate III-17. In addition, a small rise in the surface of the road was noted which had the potential to impede drainage off the road. The operator repaired both items mentioned above prior to the completion of the inspection.

18. SUPPORT FACILITIES/UTILITY INSTALLATIONS

NOV N93-32-2-5, 2 of 5 was issued for "Failure to certify by a qualified, registered, professional engineer or land surveyor permit maps." The following maps were not certified: SSSF Drainage Facilities; No. Two Canyon Drainage Map; Road Cross Sections; Haul Road Profile Maps; and Manshaft Drainage Map. The aforementioned list does not include all of the maps which were not certified.

21. BONDING & INSURANCE

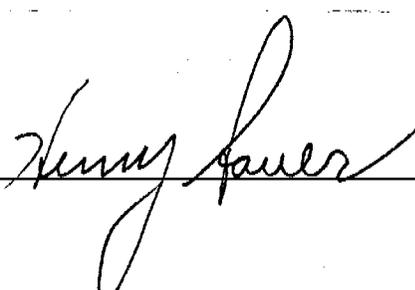
Insurance documents were reviewed and are presented below.

Insurance Policy #: ML14823
Effective Date: 12/22/92 - 12/22/93
Excess Liability Policy #: ZL232
Aggregate = \$5,000,000

Copy of this Report:

Mailed to: Bernie Freeman (OSM), Joe Fielder (SCC)
Given to: Joe Helfrich (DOGM)

Inspector's Signature: _____



#32 Date: 5/12/93



State of Utah

INSPECTION REPORT

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

Partial: Complete: Exploration:
Inspection Date & Time: 3/23/93: 9:30 am to 5:00 pm;
3/24/93: 8:00 am to 4:30 pm; 3/25/93: 8:00 am to 4:00 pm
Date of Last Inspection: February 23, 1993

Mine Name: Sunnyside Coal Mine County: Carbon Permit Number: ACT/007/007
Permittee and/or Operator's Name: Sunnyside Coal Company (SCC)
Business Address: PO Box 99, Sunnyside, Utah 84539
Type of Mining Activity: Underground Surface Prep. Plant Other
State Official(s): Henry Sauer, Mike Herkimer (Division of Water Quality)
Company Official(s): Gary Gray, Peter Hess Federal Official(s): None
Weather Conditions: Clear and Warm
Existing Acreage: Permitted-14475 Disturbed-310 Regraded-0 Seeded-0 Bonded-310
Increased/Decreased: Permitted- Disturbed- Regraded- Seeded- Bonded-
Status: Exploration/ Active/ Inactive/ Temporary Cessation/ Bond Forfeiture
Reclamation (Phase I/ Phase II/ Final Bond Release/ Liability Year)

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

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2. SIGNS AND MARKERS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8. NONCOAL WASTE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4th Quarter-April, May, June) _____ (date)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. AIR QUALITY PERMIT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

INSPECTION REPORT

(Continuation sheet)

Page 2 of 5

PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: 3/23-25/93

(Comments are Numbered to Correspond with Topics Listed Above)

1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE

Sunnyside Coal Company (SCC) has requested (January 19, 1993) the removal of Sunnyside Cogeneration Association's (SCA) permit area from its permit area. In response (see March 11, 1993 correspondence to Joe Fielder From Pamela Grubaugh-Littig) the Division has requested the submittal of the revised permit area maps and the operating agreement between SCC and SCA. The SCC also requested a reduction in the reclamation bond. The Division has responded by informing SCC to follow the procedures for a Significant Permit Revision.

In a letter dated March 18, 1993, SCC committed to properly format, for insertion into the PAP, permit amendments #92C, E, F, K & M. This is to be accomplished by March 31, 1993.

The Division was issued Ten-Day-Notice #93-02-250-001 (TV 1) subsequent to a quarterly oversight on February 23, 1993. The TDN was issued for an inadequate bond. The Division has responded to the TDN on two separate occasions and the outcome is pending.

An extension for the construction of the Clear Water Pond (UPDES #004) spillway required by Division Order ACT/007/007-DO-91B was granted on December 10, 1992. The deadline for completion of the spillway was extended until April 1, 1993.

The following list is of selected amendments and their current disposition:

- Coal Haulage Road - pending Division approval.
- Permit Area Change - pending Division approval.
- Bond Revision - pending OSM TDN response.
- Loop Switch House Culvert - approved by Division, not implemented.
- Fan and Water Canyon Reclamation Plan - pending Division approval.
- No. Two Canyon Archways - approved, not completed.
- Removal of Water Canyon Refuse Pile from the Disturbed Area - pending Division approval.

2. SIGNS AND MARKERS

The permit identification sign at the main entrance gate to the mine was observed and found to have the required information. Disturbed area and permit area markers throughout the permit area were not reviewed.

INSPECTION REPORT

(Continuation sheet)

Page 3 of 5

PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: 3/23-25/93

4. HYDROLOGIC BALANCE:

a. DIVERSIONS

The majority of the diversion ditches in the vicinity of the main facilities area were observed. The Manshaft facilities area was not reviewed because of time constraints. The following is a list of the diversion and/or appurtenant structure which required repair:

- 1) Sediment cleaned from the last July's storm were piled in various locations around the main facilities area. The operator was instructed to remove these piles and place the material in an appropriate disposal location. One pile adjacent to the Maintenance Shop, as well as snow removal debris and mine machinery, were within or in close proximity to a drainage ditch and culvert. The operator was instructed to immediately remove this material. The material was removed prior to the completion of this state inspection.
- 2) The ditches behind the Training Building adjacent to the railroad tracks have either trash and debris in them, are eroding, or are poorly defined. The ditches are functional but require repair.
- 3) The inlet to the culvert at the bottom of the No. Two Canyon Storage Area requires cleaning.
- 4) The inlet to the culvert adjacent to the No. 3 Belt House requires cleaning.

b. SEDIMENT PONDS AND IMPOUNDMENTS

The Manshaft Pond (#001) was discharging at the time of the inspection. The undersigned inspector accompanied Mr. Mike Herkimer on a field review of the following sediment ponds: Manshaft; Whitmore A & B; Coarse Refuse Toe; and Railcut. The remainder of the ponds, except for the No. 2 Canyon ponds, were not observed because of time constraints. It should be noted that the quarterly pond inspection report did indicate that the Lower #2 Pond requires cleaning.

c. OTHER SEDIMENT CONTROL MEASURES

The majority of the vegetative filter for the Rock Dust Bin BTCA, which is the primary treatment for the area, has been covered by mud flows emanating from the undisturbed area above the site. The operator must provide additional treatment for this area by temporarily placing silt fences in the area so as to treat the drainage from the area. The area should be seed in an attempt to reestablish the vegetative filter. Removal of the recommended silt fence should not occur until the vegetation is reestablished. The aforementioned plan must be reflected in an amendment to the PAP.

INSPECTION REPORT

(Continuation sheet)

Page 4 of 5

PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: 3/23-25/93

d. WATER MONITORING

Water monitoring records were reviewed for the fourth quarter of 1992 and appeared to be in good order.

e. EFFLUENT LIMITATIONS

Mr. Mike Herkimer of the Division of Water Quality (DWQ) conducted an inspection simultaneous to the portion of the Division's inspection conducted on March 23, 1993. Mr. Herkimer obtained a water sample from the Coarse Refuse Seep (CRS). This was done as a result of the abatement requirements of N92-32-14-1 (i.e., permit CRS discharge under the requirements of the Utah Point Discharge Elimination System) and the Division correspondence with DWQ (letter addressed to Richard Denton, DWQ, from Lowell P. Braxton) requesting the assistance of DWQ to sample and analyze the water emanating from the CRS to determine the need for establishment of a UPDES point discharge. The results of this sampling and others conducted by DWQ will be the basis for determining whether the CRS should be a UPDES discharge point.

In a letter addressed to Mr. Herkimer, dated March 10, 1993, SCC informed DWQ that an unanticipated bypass occurred on March 8, 1993. The water emanated from the #3 Mine. Because of an underground pipe malfunction, water was discharged directly into the No. Two Canyon Wash and eventually into Grassy Trail Creek.

Periodically, the mine water from the Twin Tanks discharge point (#015) has exceeded the allowable total suspended solid (TSS) concentration as set forth in UPDES Permit UT 0022942. In an attempt to determine the source of the elevated TSS concentrations, the undersigned inspector observed the No. 1 Slope Sump which is down gradient from the longwall gob area. The sump is adjacent to the working face and down gradient of the conveyor which transports coal to the surface. The No. 1 Slope Sump was inundated with mud (knee deep in some locations). At the time of the inspection, the sump pump was in the midst of the mud and being repaired. Subsequent to the review of the in-mine water sampling results and the poor condition of the sump, this writer believes it is likely the No. 1 Slope Sump is contributing to elevated TSS and possibly total dissolved solids concentrations. Therefore, the operator must revise the design and clean out schedule for the No. 1 Slope Sump. The operator must propose a solution, seek Division approval, and implement the revised design and maintenance plan as soon as possible.

The operator has verbally committed to attempting to determine the source of the elevated TSS by sampling the mine water immediately prior to entering the Twin Tanks and by concurrently sampling the mine water at outfall #015. The tanks are adjacent to the coal tipple and wind borne coal fine are most likely entering the tanks. Mr. Gary Gray has agreed to the above monitoring every week for one month. At the end of this period, the Division and the operator will review the information available and determine the source of the suspended solids and agree upon a solution to the elevated TSS.

INSPECTION REPORT

(Continuation sheet)

Page 5 of 5

PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: 3/23-25/93

7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS

Notice of Violation N93-32-1-2 No. 1 of 2 was issued for failure to place coal processing waste in a designated disposal area, in a controlled manner within the permit area. Dried coal slurry from the clean out of the No. 2 Slurry Cell was placed immediately adjacent to the Clear Water Pond (#004). This is not a designated refuse disposal or storage area. Runoff from the slurry had almost reached the pond and could easily reach the pond in the event of a precipitation event. The slurry had been stored in this area for quite some time. This conclusion is based on the amount of salt which had accumulated on the surface of the pile (upward migration of the various salt constituents by the action of hygroscopic rise). The abatement requirement is to place this material in a designated disposal area.

8. NONCOAL WASTE

Notice of Violation N93-32-1-2 No. 2 of 2 was issued for failure to place noncoal waste (especially used oil, tanner gas fluid, dust suppressant) and other liquids in a controlled manner in a designated portion of the permit area. The operator had haphazardly placed 55-gallon drums of various and some times unidentifiable fluids throughout the main surface facilities area. The placement of these drums were not in the areas designated by the Spill Prevention, Containment and Countermeasure Plan. Berms and other spill controls were not in place at the time of the inspection.

10. SLIDES AND OTHER DAMAGE

A gully was observed adjacent to the No. 1 Mine Portal concrete headwall. The operator was instructed to stabilize and reseed this area.

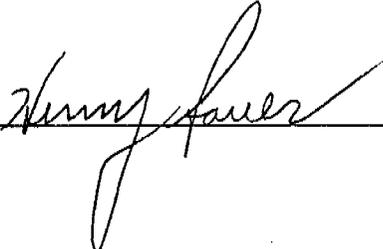
21. BONDING & INSURANCE

The insurance policy for the mine is current and the period of coverage is 12/22/92 through 12/22/93.

Copy of this Report:

Mailed to: Bernie Freeman (OSM), Gary Gray (SCC)

Given to: Joe Helfrich (DOGM)

Inspector's Signature: 

#32

Date: 4/1/93

[Handwritten signature]

inspection report

Permit No. Act/007007
Inspection Date Feb 23, 1993

Permittee/Operator Name Sunnyside Coal Company
 Business Address P.O. Box 99
 City Sunnyside State Ut Zip 84539
 Mine Sunnyside Surface Underground Other
 County Caribou State Ut
 Company Official(s) James Gray
 State Official(s) Bill Malenick
 Time of inspection 11:30 a.m. p.m. to 3:30 a.m. p.m. Partial Complete
 Date of last inspection Jan 28, 1993 Weather conditions Snowed
 Acreage 14475 Permitted 310 Disturbed Regraded Seeded 287 Bonded
 Enforcement Action None

COMPLIANCE WITH PERMITS AND PERFORMANCE STANDARDS

	YES	NO	N/A	COMMENTS		YES	NO	N/A	COMMENTS
1. Permits	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	9. Protection of fish, wildlife, and related environmental values	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Signs and markers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10. Slides and other damage	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Topsoil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	11. Contemporaneous reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Hydrologic balance					12. Backfilling and grading	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Stream channel diversions	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	13. Revegetation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Diversions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	14. Subsidence control	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Sediment ponds and impoundments	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	15. Cessation of operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
- Other sediment control measures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16. Roads				
- Surface and groundwater monitoring	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Construction	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
- Effluent limitations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Drainage controls	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Explosives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Surfacing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Development waste and spoil disposal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Maintenance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Coal processing waste	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	17. Other transportation facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Noncoal waste	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	18. Support facilities and utility installations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

INSPECTION REPORT COMMENTS

Permit No. Oct/007/007

Inspection Date 2/23/93

Please number comments to correspond with topics on previous page.

General Comments Was accompanied on the partial inspection by George Gray. Pending issues included the following:

- (1) Updating the PAP. The recent submission was reviewed and additional information must be submitted together with updated maps. Pete Hess was taking photos of all the physical improvements on 2/23/93 to update the photo portion of the PAP.
- (2) NOV 92-26-5-1 is outstanding with abatement date modified to 3/15/93. The NOV involved an ancillary road that was being used as a primary road. The operator has submitted some information, but not all documents cited in the NOV abatement. The operator requested and justified an extension to 3/15/93, which is the 90th day and the undersigned does not have the authority to grant any further time extensions.

The mine received snow the night before the inspection. At the main shaft the snow was about three feet deep with six inches of new snow on the lower mine site.

Copy of report mailed to _____

Copy of report given to _____

Inspector's signature _____ No. _____

WHITE - DOGM YELLOW - OSM PINK - PERMITTEE/OPERATOR GOLDENROD - NOV FILE

INSPECTION REPORT COMMENTS

Permit No. Oct/007/007

Inspection Date 2/23/93

Please number comments to correspond with topics on previous page.

the snow was about 15" deep with 3" of new snow.
Signs & Markers. Signs and markers are in place. Sunnypide Coal Mine signs are still in place on the permit area covered in the new Sunnypide Coarse Refuse permit. These should be removed when the Sunnypide Coal Co has no further responsibilities on the refuse pile and contiguous areas.

Diversionis. Some diversionis were observed on the lower mine site. Upper diversionis were all snow covered.

Sediment Ponds & Impoundments. Mine water was being discharged into the upper mine water pond. Observed the SSF pond. It was snow/ice covered.

Support Facilities Covering. the number two canyon under the belt line is nearly complete. Two or three segments remain to be covered. The framework is in place.

Copy of report mailed to SEC/Gray Gray; OSM/ Brian Smith; DOGM/ve Helfrich

Copy of report given to filed PFO

Inspector's signature Jim J. Chalovich No. 26

WHITE - DOGM YELLOW - OSM PINK - PERMITTEE OPERATOR GOLDENROD - NOV FILE

2/26/93



State of Utah

INSPECTION REPORT

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

Partial: X Complete: Exploration:
Inspection Date & Time: 1/28/1992; ^{11:00} am to ^{2:30} pm
Date of Last Inspection: 12/10-11/1992

Mine Name: Sunnyside Coal Mine County: Carbon Permit Number: ACT/007/007
Permittee and/or Operator's Name: Sunnyside Coal Company (SCC)
Business Address: PO Box 99, Sunnyside, Utah 84539
Type of Mining Activity: UndergroundX Surface Prep. Plant Other
State Official(s): Henry Sauer
Company Official(s): Gary Gray, Chuck Rempes
Federal Official(s): None
Weather Conditions: Clear and cold, approximately 18 inches of snow covered the mine site.
Existing Acreage: Permitted-14475 Disturbed-310 Regraded-0 Seeded-0 Bonded-310
Increased/Decreased: Permitted- Disturbed- Regraded- Seeded- Bonded-
Status: Exploration/ X Active/ Inactive/ Temporary Cessation/ Bond Forfeiture
Reclamation (Phase I/ Phase II/ Final Bond Release/ Liability Year)

REVIEW OF PERMIT, PERFORMANCE STANDARDS & PERMIT CONDITION REQUIREMENTS

Instructions

- Substantiate the elements on this inspection by checking the appropriate performance standard.
 - For complete inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check N/A.
 - For partial inspections check only the elements evaluated.
- Document any noncompliance situation by referencing the NOV issued at the appropriate performance standard listed below.
- Reference any narratives written in conjunction with this inspection at the appropriate performance standard listed below.
- Provide a brief status report for all pending enforcement actions, permit conditions, Division Orders, and amendments.

	EVALUATED	N/A	COMMENTS	NOV/ENF
1. PERMITS, CHANGE, TRANSFER, RENEWAL, SALE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. SIGNS AND MARKERS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. TOPSOIL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. HYDROLOGIC BALANCE:				
a. DIVERSIONS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b. SEDIMENT PONDS AND IMPOUNDMENTS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c. OTHER SEDIMENT CONTROL MEASURES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d. WATER MONITORING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. EFFLUENT LIMITATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. EXPLOSIVES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. DISPOSAL OF EXCESS SPOIL/FILLS/BENCHES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. COAL MINE WASTE/REFUSE PILES/IMPOUNDMENTS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. NONCOAL WASTE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. SLIDES AND OTHER DAMAGE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
11. CONTEMPORANEOUS RECLAMATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. BACKFILLING AND GRADING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13. REVEGETATION	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. SUBSIDENCE CONTROL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. CESSATION OF OPERATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
16. ROADS:				
a. CONSTRUCTION/MAINTENANCE/SURFACING	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. DRAINAGE CONTROLS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. OTHER TRANSPORTATION FACILITIES	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. SUPPORT FACILITIES/UTILITY INSTALLATIONS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. AVS CHECK (4th Quarter-April, May, June) _____ (date)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. AIR QUALITY PERMIT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
21. BONDING & INSURANCE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

INSPECTION REPORT

(Continuation sheet)

Page 2 of 2

PERMIT NUMBER: ACT/007/007

DATE OF INSPECTION: 1/28/93

(Comments are Numbered to Correspond with Topics Listed Above)

4. HYDROLOGIC BALANCE:
a. DIVERSIONS

The operator has almost completed the archway over the No. 2 Canyon. Mr. Gray informed me that immediately following completion the archway would be backfilled with fill material from the surrounding area.

b. SEDIMENT PONDS AND IMPOUNDMENTS

The Manshaft Mine Water Discharge Pond (outfall #001) was discharging at the time of the inspection.

c. OTHER SEDIMENT CONTROL MEASURES

The berm at the lower entrance gate access road has essentially been destroyed by haul truck traffic. The berm must be reestablished so as to prevent disturbed area drainage from flowing down to the gate.

9. PROTECTION OF FISH, WILDLIFE AND RELATED ENVIRONMENTAL VALUES

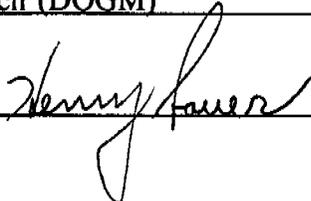
I asked Mr. Gray about the existence of raptor safe power poles. Mr. Gray was unaware of any such protection on any of the power pole on the mine site. We consulted the permit but were unable to locate any information regarding this subject.

Copy of this Report:

Mailed to: Bernie Freeman (OSM), Gary Gray (SCC)

Given to: Joe Helfrich (DOGM)

Inspector's Signature: _____



#32 Date: 1/28/93