

More info  
by 5/20.  
5/23

Jan - I gave City  
to Kenad Naples.  
Today.  
(for review) by  
5/27.

Approved 6/3/94

Entered 8/4/03JC

## PERMIT CHANGE TRACKING FORM

DATE RECEIVED	5/16/94 [more 5/20/94]	PERMIT NUMBER	ACT/007/035
Title of Proposal:	Addition of	PERMIT CHANGE #	946
Description:	Crushing Facilities to Hermit Area	PERMITTEE	SCA
		MINE NAME	Refuse Slurry

<input type="checkbox"/> 15 DAY INITIAL RESPONSE TO PERMIT CHANGE APPLICATION  <input type="checkbox"/> Notice of Review Status of proposed permit change sent to the Permittee.  <input type="checkbox"/> Request additional review copies prior to Division/Other Agency review.  <input type="checkbox"/> Notice of Approval of Publication. (If change is a Significant Revision.)  <input type="checkbox"/> Notice of request to modify proposed permit change prior to approval.	DATE DUE	DATE DONE	RESULT
			<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED
			Permit Change Classification
			<input type="checkbox"/> Significant Permit Revision
			<input type="checkbox"/> Permit Amendment
		<input type="checkbox"/> Incidental Boundary Change	

REVIEW TRACKING	INITIAL REVIEW		MODIFIED REVIEW		FINAL REVIEW AND FINDINGS	
DOGM REVIEWER	DUE	DONE	DUE	DONE	DUE	DONE
<input type="checkbox"/> Administrative						
<input type="checkbox"/> Biology						
<input type="checkbox"/> Engineering <i>Wayne</i>	<i>5/27</i>	<i>5/28</i>				
<input type="checkbox"/> Geology						
<input type="checkbox"/> Soils						
<input type="checkbox"/> Hydrology <i>Ken</i>	<i>5/27</i>	<i>5/23</i>				
<input type="checkbox"/> Bonding <i>Wayne</i>	<i>5/27</i>	<del><i>5/26/94</i></del>				
<input type="checkbox"/> AVS Check						

COORDINATED REVIEWS	DUE	DONE	DUE	DONE	DUE	DONE
<input type="checkbox"/> OSMRE						
<input type="checkbox"/> US Forest Service						
<input type="checkbox"/> Bureau of Land Management						
<input type="checkbox"/> US Fish and Wildlife Service						
<input type="checkbox"/> US National Parks Service						
<input type="checkbox"/> UT Environmental Quality						
<input type="checkbox"/> UT Water Resources						
<input type="checkbox"/> UT Water Rights						
<input type="checkbox"/> UT Wildlife Resources						
<input type="checkbox"/> UT State History						
<input type="checkbox"/> Other						

<input type="checkbox"/> Public Notice/Comment/Hearing Complete (If the permit change is a Significant Revision)	<input checked="" type="checkbox"/> Permit Change Approval Form signed and approved effective as of this date. <input type="checkbox"/> Permit Change Denied.	<i>6/3/94</i>
<input type="checkbox"/> Copies of permit change marked and ready for MRP.	<input type="checkbox"/> Notice of <input type="checkbox"/> Approval <input type="checkbox"/> Denial to Permittee.	<i>6/3/94</i>
<input type="checkbox"/> Special Conditions/Stipulations written for approval.	<input type="checkbox"/> Copy of Approved Permit Change to File.	
<input type="checkbox"/> TA and CHIA modified as required.	<input type="checkbox"/> Copy of Approved Permit Change to Permittee.	
<input type="checkbox"/> Permit Change Approval Form ready for approval.	<input type="checkbox"/> Copies to Other Agencies and Price Field Office.	<i>6/20/94</i>

## PERMIT AMENDMENT APPROVAL

Title:	PERMIT NUMBER:
Description:	PERMIT CHANGE #:
	MINE:
	PERMITTEE:

### WRITTEN FINDINGS FOR PERMIT APPLICATION APPROVAL

YES, NO or N/A

1.	The application is complete and accurate and the applicant has complied with all the requirements of the State Program.	
2.	<p>The proposed permit area is not within an area under study or administrative proceedings under a petition, filed pursuant to R645-103-400 or 30 CFR 769, to have an area designated as unsuitable for coal mining and reclamation operations, unless:</p> <p>A. The applicant has demonstrated that before January 4, 1977, substantial legal and financial commitments were made in relation to the operation covered by the permit application, or</p> <p>B. The applicant has demonstrated that the proposed permit area is not within an area designated as unsuitable for mining pursuant to R645-103-300 and R645-103-400 or 30 CFR 769 or subject to the prohibitions or limitations of R645-103-230.</p>	
3.	For coal mining and reclamation operations where the private mineral estate to be mined has been severed from the private surface estate, the applicant has submitted to the Division the documentation required under R645-301-114.200.	
4.	The Division has made an assessment of the probable cumulative impacts of all anticipated coal mining and reclamation operations on the hydrologic balance in the cumulative impact area and has determined that the proposed operation has been designed to prevent material damage to the hydrologic balance outside the permit area.	
5.	The operation would not affect the continued existence of endangered or threatened species or result in destruction or adverse modification of their critical habitats, as determined under the Endangered Species Act of 1973 (16 U.S.C. 1531 et.seq.).	
6.	The Division has taken into account the effect of the proposed permitting action on properties listed on and eligible for listing on the National Register of Historic Places. This finding may be supported in part by inclusion of appropriate permit conditions or changes in the operation plan protecting historic resources, or a documented decision that the Division has determined that no additional protection measures are necessary.	
7.	The Applicant has demonstrated that reclamation as required by the State Program can be accomplished according to information given in the permit application.	
8.	The Applicant has demonstrated that any existing structure will comply with the applicable performance standards of R645-301 and R645-302.	
9.	The Applicant has paid all reclamation fees from previous and existing coal mining and reclamation operations as required by 30 CFR Part 870.	
10.	The Applicant has satisfied the applicable requirements of R645-302.	
11.	The Applicant has, if applicable, satisfied the requirements for approval of a long-term, intensive agricultural postmining land use, in accordance with the requirements of R645-301-353.400.	

### SPECIAL CONDITIONS OR STIPULATIONS TO THE PERMIT AMENDMENT APPROVAL

YES      NO

1.	Are there any variances associated with this permit amendment approval? If yes, attach.		
2.	Are there any special conditions associated with this permit amendment approval? If yes, attach.		
3.	Are there any stipulations associated with this permit amendment approval? If yes, attach.		

**The Division hereby grants approval for Permit Amendment to the Existing Permit by incorporation of the proposed changes described herein and effective the date signed below. All other terms and conditions of the Existing Permit shall be maintained and in effect except as superseded by this Permit Amendment.**

Signed \_\_\_\_\_  
**Director, Division of Oil, Gas and Mining**

\_\_\_\_\_  
**EFFECTIVE DATE**



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)

June 6, 1994

Mr. David Pearce  
Sunnyside Cogeneration Associates  
P.O. Box 58087  
Salt Lake City, Utah 84158-0087

Re: Amended Permit - Legal Description to Include Crusher Facility and Loop Road, Sunnyside Cogeneration Associates, Sunnyside Refuse & Slurry, ACT/007/035-94G, Folder #3, Carbon County, Utah

Dear Mr. Pearce:

Enclosed please find the amended legal description to include the crusher facility and the loop road which have been approved as incidental boundary changes to the permit area for the Sunnyside Refuse and Slurry Facility. Please attach this amended legal description to the original permit.

Additionally, please revise Exhibit "A" - "Surface Disturbance - Legal Description" as a rider to the Surety Bond. Please submit this rider by July 5, 1994. If you have any questions, please call me or Pamela Grubaugh-Littig.

Yours very truly,

*James W. Carter*  
*6/7/94*

James W. Carter  
Director

cc: Pamela Grubaugh-Littig





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)

June 3, 1994

Mr. David Pearce  
Sunnyside Cogeneration Associates  
P.O. Box 58087  
Salt Lake City, Utah 84158-0087

Re: Approval of Addition of Crusher Facilities to Permit Area, Sunnyside  
Cogeneration Associates (SCA), Sunnyside Refuse & Slurry, ACT/007/035-  
94G, Folder #3, Carbon County, Utah

Dear Mr. Pearce:

Responses to conditions of the conditional approval issued June 1, 1994 for the above-noted amendment have been reviewed and all conditions have been satisfactorily met. This amendment, i.e. the incidental boundary change to include the crusher facility in the permit area is, therefore, approved. The amended plans will be incorporated into the SCA Mining and Reclamation plan, and the Permit Document will be amended to reflect the addition of the crusher facilities to the permit area.

The current reclamation cost estimate in the approved plan is \$1.4 million. The additional cost of reclaiming the crusher facility is \$22,000. The Division currently holds a \$1.5 million surety for the Sunnyside Refuse and Slurry site, therefore, no additional bond is required for this amendment.

Sincerely,

A handwritten signature in black ink, appearing to read 'Pamela Grubaugh-Littig'.  
Pamela Grubaugh-Littig  
Permit Supervisor

cc: James W. Carter  
Lowell P. Braxton  
Thomas E. Ehmett





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)

June 3, 1994

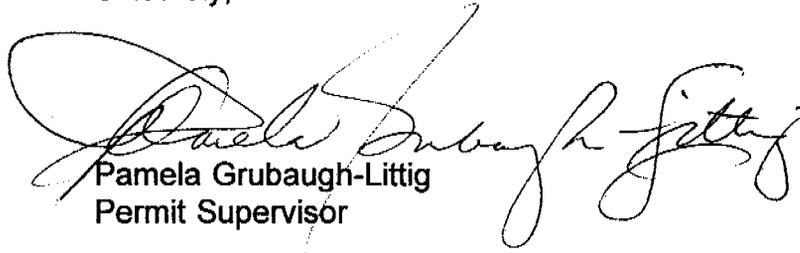
Mr. David Pearce  
Sunnyside Cogeneration Associates  
P.O. Box 58087  
Salt Lake City, Utah 84158-0087

Re: Extension Granted - Mine Sequence Map, Sunnyside Cogeneration Associates,  
Sunnyside Refuse & Slurry, ACT/007/035, Folder #3, Carbon County, Utah

Dear Mr. Pearce:

Pursuant to your written request dated May 31, 1994 in regard to the submittal of the updated Mine Sequence Map, an extension is granted until August 1, 1994.

Sincerely,

  
Pamela Grubaugh-Littig  
Permit Supervisor





**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)

June 3, 1994

TO: Pamela Grubaugh-Littig, Permit Coordinator

From: Daron R. Haddock, Permit Supervisor *DRH*

Re: Final Approval of Crusher Facilities Amendment, Sunnyside Cogeneration Associates, Sunnyside Refuse and Slurry, ACT/007/035-94G, Folder #2, Carbon County, Utah

On June 1, 1994 the Division issued conditional approval to SCA for their crusher facility amendment. A response to the conditions was submitted on June 3, 1994. The Technical Staff has completed the review of the response to the conditions. All conditions have now been satisfactorily complied with.

The Crushing facilities amendment for the Sunnyside Cogeneration facility should now receive final approval as an Incidental Boundary Change and the amended plans should be incorporated into the SCA Mining and Reclamation plan. The Permit document should be revised accordingly.

crushapp.sca



### PERMIT AMENDMENT APPROVAL

Title: <u>Addition of Crusher Facility</u>	PERMIT NUMBER: <u>007/035</u>
Description: <u>SCA responded to conditions placed on Approval dated June 1, 1994. The conditions have now been addressed.</u>	PERMIT CHANGE #: <u>946</u>
	MINE: <u>Refuse + Slurry</u>
	PERMITTEE: <u>SCA</u>

#### WRITTEN FINDINGS FOR PERMIT APPLICATION APPROVAL

YES, NO or N/A

1.	The application is complete and accurate and the applicant has complied with all the requirements of the State Program.	Yes
2.	The proposed permit area is not within an area under study or administrative proceedings under a petition, filed pursuant to R645-103-400 or 30 CFR 769, to have an area designated as unsuitable for coal mining and reclamation operations, unless:	Yes
A.	The applicant has demonstrated that before January 4, 1977, substantial legal and financial commitments were made in relation to the operation covered by the permit application, or	
B.	The applicant has demonstrated that the proposed permit area is not within an area designated as unsuitable for mining pursuant to R645-103-300 and R645-103-400 or 30 CFR 769 or subject to the prohibitions or limitations of R645-103-230.	
3.	For coal mining and reclamation operations where the private mineral estate to be mined has been severed from the private surface estate, the applicant has submitted to the Division the documentation required under R645-301-114.200.	NA
4.	The Division has made an assessment of the probable cumulative impacts of all anticipated coal mining and reclamation operations on the hydrologic balance in the cumulative impact area and has determined that the proposed operation has been designed to prevent material damage to the hydrologic balance outside the permit area.	Yes
5.	The operation would not affect the continued existence of endangered or threatened species or result in destruction or adverse modification of their critical habitats, as determined under the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq.).	Yes
6.	The Division has taken into account the effect of the proposed permitting action on properties listed on and eligible for listing on the National Register of Historic Places. This finding may be supported in part by inclusion of appropriate permit conditions or changes in the operation plan protecting historic resources, or a documented decision that the Division has determined that no additional protection measures are necessary.	Yes
7.	The Applicant has demonstrated that reclamation as required by the State Program can be accomplished according to information given in the permit application.	Yes
8.	The Applicant has demonstrated that any existing structure will comply with the applicable performance standards of R645-301 and R645-302.	Yes
9.	The Applicant has paid all reclamation fees from previous and existing coal mining and reclamation operations as required by 30 CFR Part 870.	Yes
10.	The Applicant has satisfied the applicable requirements of R645-302.	NA
11.	The Applicant has, if applicable, satisfied the requirements for approval of a long-term, intensive agricultural postmining land use, in accordance with the requirements of R645-301-353.400.	NA

#### SPECIAL CONDITIONS OR STIPULATIONS TO THE PERMIT AMENDMENT APPROVAL

YES    NO

1.	Are there any variances associated with this permit amendment approval? If yes, attach.		X
2.	Are there any special conditions associated with this permit amendment approval? If yes, attach.		X
3.	Are there any stipulations associated with this permit amendment approval? If yes, attach.		X

The Division hereby grants approval for Permit Amendment to the Existing Permit by incorporation of the proposed changes described herein and effective the date signed below. All other terms and conditions of the Existing Permit shall be maintained and in effect except as superseded by this Permit Amendment.

Signed

David R. Haddock  
 \_\_\_\_\_  
 \_\_\_\_\_, Division of Oil, Gas and Mining

6/3/94  
 \_\_\_\_\_  
 EFFECTIVE DATE



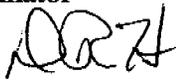
**State of Utah**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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)

June 1, 1994

TO: Pamela Grubaugh-Littig, Permit Coordinator

From: Daron R. Haddock, Permit Supervisor 

Re: Approval of Crusher Facilities Amendment, Sunnyside Cogeneration Associates, Sunnyside Refuse and Slurry, ACT/007/035-94G, Folder #2, Carbon County, Utah

The Technical Staff has completed the review of the Crushing facilities amendment for the Sunnyside Cogeneration facility. The submitted plans (May 16, and 20, 1994) are acceptable for insertion to the SCA plan. There is some additional information that will still need to be submitted. This amendment should be approved as an Incidental Boundary Change with the following stipulations. The stipulations must be completed within 30 days.

1. SCA must provide a reclamation cost estimate for the additional facilities area.
2. SCA must provide an adequate narrative description of the new facilities.
3. SCA must continue to monitor the piezometers or provide adequate justification for discontinuing the monitoring. SCA must correct Table 5 to reflect all inspection requirements.
4. SCA must provide for adequate freeboard in the diversion designs.
5. SCA must provide a discussion as to how the diversions will be monitored for erosion and what constitutes appropriate remediation.
6. SCA must provide the slope for the 6 inch CMP primary spillway shown on the cross section on Plate 7-18.

crushfac.sca



## PERMIT AMENDMENT APPROVAL

Title: <u>Crusher Facilities</u>	PERMIT NUMBER: <u>ACT 007/035</u>
Description:	PERMIT CHANGE #: <u>946</u>
	MINE: <u>SE Refuse + Slurry</u>
	PERMITTEE: <u>SCA</u>

### WRITTEN FINDINGS FOR PERMIT APPLICATION APPROVAL

	YES, NO or N/A
1. The application is complete and accurate and the applicant has complied with all the requirements of the State Program.	Yes
2. The proposed permit area is not within an area under study or administrative proceedings under a petition, filed pursuant to R645-103-400 or 30 CFR 769, to have an area designated as unsuitable for coal mining and reclamation operations, unless:	Yes
A. The applicant has demonstrated that before January 4, 1977, substantial legal and financial commitments were made in relation to the operation covered by the permit application, or	
B. The applicant has demonstrated that the proposed permit area is not within an area designated as unsuitable for mining pursuant to R645-103-300 and R645-103-400 or 30 CFR 769 or subject to the prohibitions or limitations of R645-103-230.	
3. For coal mining and reclamation operations where the private mineral estate to be mined has been severed from the private surface estate, the applicant has submitted to the Division the documentation required under R645-301-114.200.	NA
4. The Division has made an assessment of the probable cumulative impacts of all anticipated coal mining and reclamation operations on the hydrologic balance in the cumulative impact area and has determined that the proposed operation has been designed to prevent material damage to the hydrologic balance outside the permit area.	Yes
5. The operation would not affect the continued existence of endangered or threatened species or result in destruction or adverse modification of their critical habitats, as determined under the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq.).	Yes
6. The Division has taken into account the effect of the proposed permitting action on properties listed on and eligible for listing on the National Register of Historic Places. This finding may be supported in part by inclusion of appropriate permit conditions or changes in the operation plan protecting historic resources, or a documented decision that the Division has determined that no additional protection measures are necessary.	Yes
7. The Applicant has demonstrated that reclamation as required by the State Program can be accomplished according to information given in the permit application.	Yes
8. The Applicant has demonstrated that any existing structure will comply with the applicable performance standards of R645-301 and R645-302.	Yes
9. The Applicant has paid all reclamation fees from previous and existing coal mining and reclamation operations as required by 30 CFR Part 870.	Yes
10. The Applicant has satisfied the applicable requirements of R645-302.	NA
11. The Applicant has, if applicable, satisfied the requirements for approval of a long-term, intensive agricultural postmining land use, in accordance with the requirements of R645-301-353.400.	NA

### SPECIAL CONDITIONS OR STIPULATIONS TO THE PERMIT AMENDMENT APPROVAL

	YES	NO
1. Are there any variances associated with this permit amendment approval? If yes, attach.		X
2. Are there any special conditions associated with this permit amendment approval? If yes, attach.		X
3. Are there any stipulations associated with this permit amendment approval? If yes, attach.	X	

The Division hereby grants approval for Permit Amendment to the Existing Permit by incorporation of the proposed changes described herein and effective the date signed below. All other terms and conditions of the Existing Permit shall be maintained and in effect except as superseded by this Permit Amendment.

Signed Dawn R. Haddock  
 Director, Division of Oil, Gas and Mining

6/1/94  
 EFFECTIVE DATE



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)

TO: Daron Haddock, Permit Supervisor  
FROM: Wayne H. Western, Reclamation Engineer *WHW*  
DATE: May 25, 1994  
RE: Crushing Facilities, SCA ACT/007/035

**R645-301-526 Mine Facilities**

Synopsis of Proposal

The Operator proposes incorporating the crushing facility into the permit area. The facility contains primary and secondary crushers and the coal pile runoff basin. An inspection schedule for the pond was included in the submittal.

Analysis

The Division was supplied with limited information on the permit expansion. There was enough information to determine that the permit area must include the crusher facility. The Operator should be allowed to add the crusher facility to the permit area on the condition that he supplies the Division with additional information. The Operator must supply the Division with information on the reclamation bond (R645-301-830.140), cross-sections of the pond (645-301-521.100) and a narrative of the facilities (R645-301-526.100).

Recommendation

Approve the proposal on the condition that the Operator provide the Division with information on the reclamation bond, cross-sections of the pond and a narrative of the facilities.





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)

May 24, 1994

TO: File, ACT/007/035, Folder #2

FROM: Ken Wyatt, Senior Reclamation Hydrologist 

RE: Crushing Facilities Addition Amendment Review, Sunnyside  
Cogeneration Associates, Sunnyside Refuse Pile, ACT/007/035, Folder  
#2, Carbon County, Utah

SYNOPSIS

On May 20, 1994, Sunnyside Cogeneration Associates (SCA) submitted an amendment to add the coal crushing facility located at the power plant site into the SCA plan.

ANALYSIS

Included in the submittal for hydrology were revised plates 7-1A, 7-3, 7-6, 7-18. Additional text was included to insert into the SCA plan. These included a new Chapter 7: Hydrology, Appendices 7-3 and 7-8.

An inspection schedule was included as table 5-1 which describes the inspection frequency for spoil piles, refuse piles and impoundments. This schedule shows the annual inspections and certifications for the East and West Slurry Cells, but does not show the annual sediment pond inspections and certifications as required by R645-514.311.

Appendix 7-3 in the plan includes all of the designs for the sediment ponds. In this amendment, the Coal Pile Sediment Pond (CPSP) was added to the SCA permit area and its design was submitted for inclusion into Appendix 7-3.

Appendix 7-8 includes the operational and baseline water monitoring schedule. As mentioned many times in the past, the permittee must monitor baseline water quality sites to acquire baseline water quality data. Following complete acquisition of the baseline data then these sites are to be monitored for operational parameters.

The permittee continues to submit information stating that baseline monitoring sites are separate from the operational sites. The permittee continues to submit the operational water monitoring sites as those described in the UPDES



permit. All UPDES permitted sites must be monitored in accordance with the UPDES permit. Baseline water monitoring should continue to be collected and then these sites will be monitored for the operational parameters.

Other editorial changes were incorporated into this amendment. Most were changes to numbers as a result of the additional pond being placed into the permit area. On page 2 of Appendix 7-8, the permittee has deleted the requirement to monitor the piezometers located in the refuse piles. This deletion was again done on page 700-21. These changes are not acceptable unless the permittee can justify these changes.

The CPSP design drawing and cross section are located on Plate 7-18. The watersheds are drawn on Plate 7-1A. The CPSP includes 1 watershed consisting of 2.0 acres. The pond is another 0.30 acres. These areas were digitized and matched very closely with those in the plan. Curve numbers used for the runoff analysis were adequate.

The pond volumes based on the maps provided were checked using OSM's TIPS, Earth Vision volumetrics utility program. These volumes based on elevations are provided in the table below. The volumes calculated were generally larger than those provided in the plan and are within acceptable limits.

<b>PURPOSE</b>	<b>ELEV. (Feet)</b>	<b>CALCULATED VOLUME (Acre Feet)</b>	<b>PROPOSED PLAN VOLUME (Acre Feet)</b>
Pond bottom	6476.0	0.0	0.00
Max. sediment level	6477.5	0.54	0.30 <sup>1</sup>
Primary spillway	6478.5	0.94	0.60 <sup>1</sup>
10 yr. 24 hr. storm	6478.0	0.74	0.14 <sup>2</sup>
Emergency spillway	6479.5	1.39	0.90 <sup>1</sup>
Dam crest	6480	1.63	1.00 <sup>1</sup>

1: This value from the Sedimot II model for the 10 yr. 24 hr. event.

2: This value from the stage capacity curve on design plate 7-18.

Stage discharge and stage capacity curves are provided on the design drawing, Plate 7-18. Sedimot II was used to calculate runoff volumes, peak flows, and sediment loads. The numbers generated produced a sediment load of 1.4 tons and a runoff volume of 0.14 acre feet from the 10 year 24 hour event.

The 25 year 6 hour Sedimot model produced a peak flow of 2.2 CFS. The 6 inch CMP spillway is capable of discharging up to 0.9 CFS and in combination with the open channel emergency spillway the pond can pass the peak runoff from the 25 year 6 hour event.

Sediment calculations from the 10 year 24 hour event produced 1.4 tons of sediment. Converting this amount to a volume produces 0.001 acre feet of sediment per storm event. According to the volume analysis mentioned above the pond has 0.54 acre feet of sediment capacity.

The diversions associated with the CPSP are erroneously labeled in table 5. These diversions are labeled as CPR-Inlet and CPR-Outlet whereas on plates 7-1A, 7-6, and 7-18 these diversions are all labeled CPSP-D1 and CPSP-D2. The SCA plan designs diversion by two calculations for channel depth and riprap requirements. To calculate channel depth the maximum Manning's n value and a minimum channel slope are used to calculate the flow depth and then 0.5 feet was added to the channel depth to insure adequate freeboard. The maximum calculated flow depth was 0.84 feet. The permittee has stated in table 5 that the depth of these channels will be 0.8 feet. This does not provide the adequate freeboard.

The use of riprap is determined by calculating flow velocity using a minimum Manning's n value and a maximum channel slope. This was done for the two diversions associated with this pond. Velocities for these diversions are under 4.5 feet per second. No riprap will be installed. Again the permittee has stated: "All diversion channels will be monitored. If excessive erosion occurs, appropriate remediation is required." There is no discussion as to how these diversions will be monitored and what constitutes appropriate remediation.

#### RECOMMENDATION

This submittal can be approved and accepted when the following items are corrected.

1. The permittee must provide adequate justification for not continuing the monitoring of the piezometers or continue monitoring these piezometers.
2. Table 5 will need to be corrected.
3. The diversions design will need to be changed to include adequate freeboard. A discussion as to how these diversions will be monitored for erosion and

Page 2  
Addition of Crusher Facility  
ACT/007/035  
May 24, 1994

what constitutes appropriate remediation will be required. When has excessive erosion occurred?

4. No slope is provided for the 6 inch CMP primary spillway shown on the cross section on Plate 7-18 and the maximum sediment level was not shown.

cc  
Pam Grubaugh-Littig  
Randy Harden



State of Utah  
 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

*File ACT/007/035*

*#2*

DATE: May 24, 1994

*Dee C. Hansen*

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Wm. J. Malencik, Reclamation Specialist *WJM*

RE: Sunnyside Co-Gen ACT/007/035, Permit Amendment

On May 19, 1994 in response to your request the undersigned reviewed the proposed addition to the Co-Gen permit area. The additional area concerns the two crushers, the belt line between two the crushers, pad, sediment pond and ditches. The belt line coming out of the secondary crusher is not included in the permit area even though the final ditch alignment may border on this belt line. The DOGM jurisdictional area now parallels MSHA jurisdictional boundaries.

Because of the lay of the land all the disturbed area involved in this amendment can easily be directed to the new pond. This pond may require some additional consideration by the permittee as related to the decant and the open emergency spillway.

Coal fines is the only matter of conjuncture. However, since the winds are primarily north-westerly, wind coal fines problems will primarily be associated with incoming weather fronts. No coal fines were observed outside of the proposed permit area.

Recommend the proposal be approved.



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)

June 1, 1994

Mr. David Pearce  
Sunnyside Cogeneration Associates  
P.O. Box 58087  
Salt Lake City, Utah 84158-0087

Re: Conditional Approval of Addition of Crusher Facility, Sunnyside Refuse and Slurry, Sunnyside Cogeneration Associates, ACT/007/035-94G, Folder #3, Carbon County, Utah

Dear Mr. Pearce:

The submittals for the addition of the crusher facility to the permit area (received May 16, 1994 and May 20, 1994) have been reviewed and the amendment is conditionally approved. The following conditions must be adequately addressed by June 30, 1994:

1. Monitoring of the piezometers must be continued, unless there is adequate justification to discontinue. The narrative must be corrected to describe the piezometer monitoring at this site. Table 5 must be corrected.
2. Diversion designs must be changed to include adequate freeboard. A discussion as to how these diversions will be monitored for erosion and what constitutes appropriate remediation must be included in the amendment.
3. Slope for the six-inch CMP primary spillway must be shown on cross-section Plate 7-18.
4. The reclamation cost estimate for this area must be included.
5. A narrative of the facilities must be included in the amendment.

If you have any questions, please call Daron Haddock or me.

Sincerely,

  
Pamela Grubaugh-Littig  
Permit Supervisor

cc: Lowell Braxton  
Joe Helfrich  
Daron Haddock





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)

June 1, 1994

Mr. David Pearce  
Sunnyside Cogeneration Associates  
P.O. Box 58087  
Salt Lake City, Utah 84158-0087

Re: Conditional Approval of Addition of Crusher Facility, Sunnyside Refuse and Slurry, Sunnyside Cogeneration Associates, ACT/007/035-94G, Folder #3, Carbon County, Utah

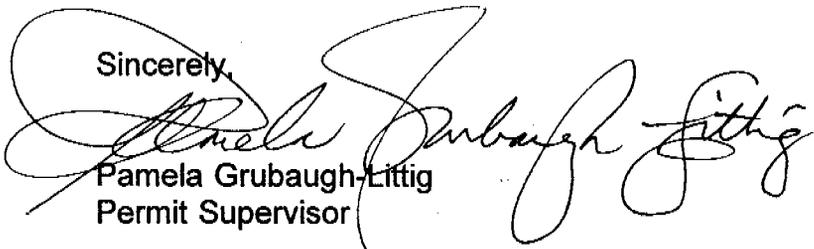
Dear Mr. Pearce:

The submittals for the addition of the crusher facility to the permit area (received May 16, 1994 and May 20, 1994) have been reviewed and the amendment is conditionally approved. The following conditions must be adequately addressed by June 30, 1994:

1. Monitoring of the piezometers must be continued, unless there is adequate justification to discontinue. The narrative must be corrected to describe the piezometer monitoring at this site. Table 5 must be corrected.
2. Diversion designs must be changed to include adequate freeboard. A discussion as to how these diversions will be monitored for erosion and what constitutes appropriate remediation must be included in the amendment.
3. Slope for the six-inch CMP primary spillway must be shown on cross-section Plate 7-18.
4. The reclamation cost estimate for this area must be included.
5. A narrative of the facilities must be included in the amendment.

If you have any questions, please call Daron Haddock or me.

Sincerely,

  
Pamela Grubaugh-Littig  
Permit Supervisor

cc: Lowell Braxton  
Joe Helfrich  
Daron Haddock





**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)

UTAH DIVISION OF OIL, GAS AND MINING  
 FACSIMILE COVER SHEET

DATE: June 2, 1994  
 FAX # \_\_\_\_\_  
 ATTN: Bernie Freeman  
 COMPANY: OSM-AFD  
 FROM: Tom Gruber/GH-LITTLE  
 DEPARTMENT: DDOM

NUMBER OF PAGES BEING SENT (INCLUDING THIS ONE): \_\_\_\_\_

If you do not receive all of the pages, or if they are illegible, please call (801) 538-5340.

We are sending from a Murata facsimile machine. Our telecopier number is (801) 359-3940.

MESSAGES:

The SCA Crusher Facility  
Amendment information.



```
*****
*
*           ** TRANSMIT CONFIRMATION REPORT **
*
*   Journal No. : 003
*   Receiver    : 505 7662609
*   Transmitter : DIV OIL GAS & MINING
*   Date        : Jun 2,94 10:25
*   Document    : 02 pages
*   Time        : 01'03"
*   Mode        : G3 NORMAL
*   Result      : OK
*
*****
```

*Sent @ 8:25 am but pressed button twice,  
no confirmation report.*



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)

May 24, 1994

TO: File, ACT/007/035, Folder #2

FROM: Ken Wyatt, Senior Reclamation Hydrologist 

RE: Crushing Facilities Addition Amendment Review, Sunnyside  
Cogeneration Associates, Sunnyside Refuse Pile, ACT/007/035, Folder  
#2, Carbon County, Utah

SYNOPSIS

On May 20, 1994, Sunnyside Cogeneration Associates (SCA) submitted an amendment to add the coal crushing facility located at the power plant site into the SCA plan.

ANALYSIS

Included in the submittal for hydrology were revised plates 7-1A, 7-3, 7-6, 7-18. Additional text was included to insert into the SCA plan. These included a new Chapter 7: Hydrology, Appendices 7-3 and 7-8.

An inspection schedule was included as table 5-1 which describes the inspection frequency for spoil piles, refuse piles and impoundments. This schedule shows the annual inspections and certifications for the East and West Slurry Cells, but does not show the annual sediment pond inspections and certifications as required by R645-514.311.

Appendix 7-3 in the plan includes all of the designs for the sediment ponds. In this amendment, the Coal Pile Sediment Pond (CPSP) was added to the SCA permit area and its design was submitted for inclusion into Appendix 7-3.

Appendix 7-8 includes the operational and baseline water monitoring schedule. As mentioned many times in the past, the permittee must monitor baseline water quality sites to acquire baseline water quality data. Following complete acquisition of the baseline data then these sites are to be monitored for operational parameters.

The permittee continues to submit information stating that baseline monitoring sites are separate from the operational sites. The permittee continues to submit the operational water monitoring sites as those described in the UPDES



permit. All UPDES permitted sites must be monitored in accordance with the UPDES permit. Baseline water monitoring should continue to be collected and then these sites will be monitored for the operational parameters.

Other editorial changes were incorporated into this amendment. Most were changes to numbers as a result of the additional pond being placed into the permit area. On page 2 of Appendix 7-8, the permittee has deleted the requirement to monitor the piezometers located in the refuse piles. This deletion was again done on page 700-21. These changes are not acceptable unless the permittee can justify these changes.

The CPSP design drawing and cross section are located on Plate 7-18. The watersheds are drawn on Plate 7-1A. The CPSP includes 1 watershed consisting of 2.0 acres. The pond is another 0.30 acres. These areas were digitized and matched very closely with those in the plan. Curve numbers used for the runoff analysis were adequate.

The pond volumes based on the maps provided were checked using OSM's TIPS, Earth Vision volumetrics utility program. These volumes based on elevations are provided in the table below. The volumes calculated were generally larger than those provided in the plan and are within acceptable limits.

<b>PURPOSE</b>	<b>ELEV. (Feet)</b>	<b>CALCULATED VOLUME (Acre Feet)</b>	<b>PROPOSED PLAN VOLUME (Acre Feet)</b>
Pond bottom	6476.0	0.0	0.00
Max. sediment level	6477.5	0.54	0.30 <sup>1</sup>
Primary spillway	6478.5	0.94	0.60 <sup>1</sup>
10 yr. 24 hr. storm	6478.0	0.74	0.14 <sup>2</sup>
Emergency spillway	6479.5	1.39	0.90 <sup>1</sup>
Dam crest	6480	1.63	1.00 <sup>1</sup>

- 1: This value from the Sedimot II model for the 10 yr. 24 hr. event.
- 2: This value from the stage capacity curve on design plate 7-18.

Stage discharge and stage capacity curves are provided on the design drawing, Plate 7-18. Sedimot II was used to calculate runoff volumes, peak flows, and sediment loads. The numbers generated produced a sediment load of 1.4 tons and a runoff volume of 0.14 acre feet from the 10 year 24 hour event.

The 25 year 6 hour Sedimot model produced a peak flow of 2.2 CFS. The 6 inch CMP spillway is capable of discharging up to 0.9 CFS and in combination with the open channel emergency spillway the pond can pass the peak runoff from the 25 year 6 hour event.

Sediment calculations from the 10 year 24 hour event produced 1.4 tons of sediment. Converting this amount to a volume produces 0.001 acre feet of sediment per storm event. According to the volume analysis mentioned above the pond has 0.54 acre feet of sediment capacity.

The diversions associated with the CPSP are erroneously labeled in table 5. These diversions are labeled as CPR-Inlet and CPR-Outlet whereas on plates 7-1A, 7-6, and 7-18 these diversions are all labeled CPSP-D1 and CPSP-D2. The SCA plan designs diversion by two calculations for channel depth and riprap requirements. To calculate channel depth the maximum Manning's n value and a minimum channel slope are used to calculate the flow depth and then 0.5 feet was added to the channel depth to insure adequate freeboard. The maximum calculated flow depth was 0.84 feet. The permittee has stated in table 5 that the depth of these channels will be 0.8 feet. This does not provide the adequate freeboard.

The use of riprap is determined by calculating flow velocity using a minimum Manning's n value and a maximum channel slope. This was done for the two diversions associated with this pond. Velocities for these diversions are under 4.5 feet per second. No riprap will be installed. Again the permittee has stated: "All diversion channels will be monitored. If excessive erosion occurs, appropriate remediation is required." There is no discussion as to how these diversions will be monitored and what constitutes appropriate remediation.

#### RECOMMENDATION

This submittal can be approved and accepted when the following items are corrected.

1. The permittee must provide adequate justification for not continuing the monitoring of the piezometers or continue monitoring these piezometers.
2. Table 5 will need to be corrected.
3. The diversions design will need to be changed to include adequate freeboard. A discussion as to how these diversions will be monitored for erosion and

Page 2  
Addition of Crusher Facility  
ACT/007/035  
May 24, 1994

what constitutes appropriate remediation will be required. When has excessive erosion occurred?

4. No slope is provided for the 6 inch CMP primary spillway shown on the cross section on Plate 7-18 and the maximum sediment level was not shown.

cc  
Pam Grubaugh-Littig  
Randy Harden

```
*****  
*  
*          ** TRANSMIT CONFIRMATION REPORT **  
*  
*      Journal No.   : 018  
*      Receiver      : 1 801 888 2538  
*      Transmitter   : DIV OIL GAS & MINING  
*      Date          : Jun 2,94 14:47  
*      Document      : 03 pages  
*      Time          : 02'04"  
*      Mode          : G3 NORMAL  
*      Result        : OK  
*  
*****
```



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)

UTAH DIVISION OF OIL, GAS AND MINING  
 FACSIMILE COVER SHEET

DATE: June 2, 1994  
 FAX # 888-2538 (Sunrise Power Fax)  
 ATTN: Mitch Rollings  
 COMPANY: DSM-AFO  
 FROM: PAM GRUBAUGH-LITIG  
 DEPARTMENT: DOG M  
 NUMBER OF PAGES BEING SENT (INCLUDING THIS ONE): 3

If you do not receive all of the pages, or if they are illegible, please call (801) 538-5340.

We are sending from a Murata facsimile machine. Our telecopier number is (801) 359-3940.

MESSAGES:

Per your telephone request.  
PAM

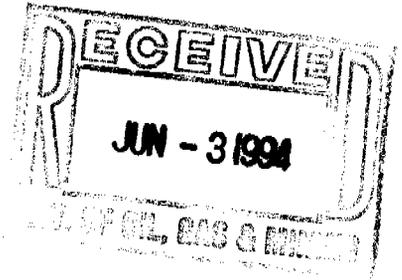


**SUNNYSIDE COGENERATION ASSOCIATES**

POST OFFICE BOX 58087  
SALT LAKE CITY, UTAH 84158-0087

December 13, 1993

JUNE 3, 1994  
QEB



Mr. Jim Carter, Director  
Division of Oil, Gas and Mining  
3 Triad Center, Suite 350  
Salt lake City, Utah 84180-1203

RE: Sunnyside Cogeneration Associates (SCA) Permit No. ACT/007/035  
Project Number EC450593  
Conditional Approval of Addition of Crusher Facility

Dear Jim,

This letter is written in regards to the response letter from DOGM dated June 1, 1994 regarding the Conditional Approval of the Addition of the Crusher Facility at the Sunnyside Cogeneration Associates Facilities.

1. *Monitoring of the piezometers must be continued, unless there is adequate justification to discontinue. The narrative must be corrected to describe the piezometer monitoring at this site. Table 5 must be corrected.*

The piezometer monitoring has never been discontinued. The line that was struck from the text stated that "There are some piezometer tubes near some of the impoundments." The piezometers are located near the East Slurry Cell and continue to be monitored weekly. There are no piezometers near the Crusher Facility Area.

SCA felt that this line was ambiguous and should not be included in section 748. Well Casing and Sealing. However, we have added the sentence back into the PAP (Page 700-21).

Table 5 in Appendix 7-3 has been changed to reflect 0.5 feet of freeboard in the diversions. Additionally, the Ditch No. names have been changed to be consistent with Plate 7-1 and 7-1A.

2. *Diversion designs must be changed to include adequate freeboard A discussion as to how these diversions will be monitored for erosion and what constitutes appropriate remediation must be included in the amendment.*

The text and calculations in Appendix 7-3 as well as Table 5 in Appendix 7-3 has been changed to reflect 0.5 feet of freeboard in the diversions. These changes satisfy the condition; however, SCA is not required to design diversions with any freeboard. The diversions were adequately sized to accommodate the 10-year, 6-hour design storm which is required in the regulations.

A discussion of monitoring and maintenance of the diversions has been added to Section 9.11.3 Monitoring and Maintenance, Erosion (Page 900-24). Additionally, Appendix 7-3 has been changed to reference the information in Chapter 9.

Mr. Jim Carter, Director  
June 3, 1994  
Page Two

---

3. *Slope for the six-inch CMP primary spillway must be shown on cross-section Plate 7-18.*

The 3% slope has been added to the plate and resubmitted.

4. *The reclamation cost estimate for this area must be included.*

The reclamation cost estimate for the new crusher facility has been prepared and is submitted as Figure 8-1A, Crusher Facility Bond Estimate. The total estimated cost for reclamation for the entire SCA Permit Area, including monitoring and maintenance, is approximately \$1,418,116 and is shown in Figure 8-1B. Figure 8-2A has also been added to detail the Salvage Value of the Waste Coal Processing Equipment.

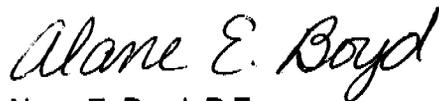
The existing surety bond (Surety Bond No. 51123-A issued by Frontier Insurance Company) in the amount of \$1,500,000 is sufficient to cover the entire SCA Permit Area including the crusher facility area.

5. *A narrative of the facilities must be included in the amendment.*

A narrative of the facilities for the crusher facility area has been included in the PAP since December 1993 as pages 400-6 through 400-9. In December, 1993 the crusher facility area was considered adjacent facilities and a detailed description was included. The text for the amendment was only amended to indicate that the facilities were **included in** the SCA Permit Area and not **adjacent to** the SCA Permit Area. Please refer to pages 400-6 through 400-9 for the necessary descriptions.

We look forward to a rapid review and approval of this submittal. If you have any questions, please call me.

Sincerely,



Alane E. Boyd, P.E.  
Senior Engineer

cc: Brian Burnett, CDN  
Jim Carter, DOGM  
David Pearce, SCA  
Joe Helfrich, DOGM  
Pam Grubaugh-Littig, DOGM

## APPLICATION FOR PERMIT CHANGE

Title of Change: <b>SUNNYSIDE COGENERATION ASSOCIATES</b> Addition of Crushing Facilities to Permit Area	Permit Number: <b>ACT/007/035</b>
	Mine: <b>Sunnyside Cogen. Assoc.</b>
	Permittee: <b>Sunnyside Cogen. Assoc.</b>

Description - include reason for change and timing required to implement: **Details to supplement the permit changes submitted May 16, 1994. and May 20, 1994. DOGM conditional approval of addition of crusher facility dated June 1, 1994.**

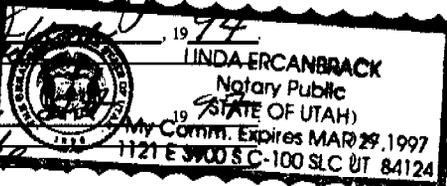
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	1. Change in the size of the Permit Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	2. Change in the size of the Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	3. Will permit change include operations outside the Cumulative Hydrologic Impact Area?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	4. Will permit change include operations in hydrologic basins other than currently approved?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	5. Does permit change result from cancellation, reduction or increase of insurance or reclamation bond?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6. Does permit change require or include public notice publication?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7. Permit change as a result of a Violation? Violation #
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	8. Permit change as a result of a Division Order? D.O. #
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	9. Permit change as a result of other laws or regulations? Explain:
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	10. Does permit change require or include ownership, control, right-of-entry, or compliance information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	11. Does the permit change affect the surface landowner or change the post mining land use?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	12. Does permit change require or include collection and reporting of any baseline information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	13. Could the permit change have any effect on wildlife or vegetation outside the current disturbed area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	14. Does permit change require or include soil removal, storage or placement?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	15. Does permit change require or include vegetation monitoring, removal or revegetation activities?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	16. Does permit change require or include construction, modification, or removal of surface facilities?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	17. Does permit change require or include water monitoring, sediment or drainage control measures?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	18. Does permit change require or include certified designs, maps, or calculations?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	19. Does permit change require or include underground design or mine sequence and timing?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	20. Does permit change require or include subsidence control or monitoring?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	21. Have reclamation costs for bonding been provided or revised for any change in the reclamation plan?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	22. Is permit change within 100 feet of a public road or perennial stream or 500 feet of an occupied dwelling?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	23. Is this permit change coal exploration activity <input type="checkbox"/> inside <input type="checkbox"/> outside of the permit area? N/A

Attached **3** complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all aspects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

*Alan E. Boyd, P.E.* 6/3/94  
 Signed - Name - Position - Date

Subscribed and sworn to before me this 3rd day of June, 1994  
*Linda Ercanbrack*  
 Notary Public



My Commission Expires:  
 Attest: STATE OF  
 COUNTY OF

Received by Oil, Gas & Mining
ASSIGNED PERMIT CHANGE NUMBER





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)

June 3, 1994

Mr. David Pearce  
Sunnyside Cogeneration Associates  
P.O. Box 58087  
Salt Lake City, Utah 84158-0087

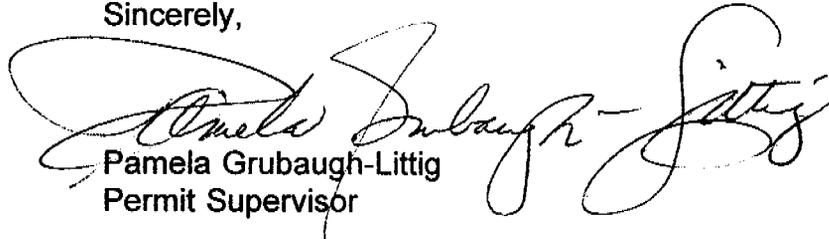
Re: Approval of Addition of Crusher Facilities to Permit Area, Sunnyside  
Cogeneration Associates (SCA), Sunnyside Refuse & Slurry, ACT/007/035-  
94G, Folder #3, Carbon County, Utah

Dear Mr. Pearce:

Responses to conditions of the conditional approval issued June 1, 1994 for the above-noted amendment have been reviewed and all conditions have been satisfactorily met. This amendment, i.e. the incidental boundary change to include the crusher facility in the permit area is, therefore, approved. The amended plans will be incorporated into the SCA Mining and Reclamation plan, and the Permit Document will be amended to reflect the addition of the crusher facilities to the permit area.

The current reclamation cost estimate in the approved plan is \$1.4 million. The additional cost of reclaiming the crusher facility is \$22,000. The Division currently holds a \$1.5 million surety for the Sunnyside Refuse and Slurry site, therefore, no additional bond is required for this amendment.

Sincerely,

  
Pamela Grubaugh-Littig  
Permit Supervisor

cc: James W. Carter  
Lowell P. Braxton  
Thomas E. Ehmett





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)

June 3, 1994

TO: Pamela Grubaugh-Littig, Permit Coordinator

From: Daron R. Haddock, Permit Supervisor *DRT*

Re: Final Approval of Crusher Facilities Amendment, Sunnyside Cogeneration Associates, Sunnyside Refuse and Slurry, ACT/007/035-94G, Folder #2, Carbon County, Utah

On June 1, 1994 the Division issued conditional approval to SCA for their crusher facility amendment. A response to the conditions was submitted on June 3, 1994. The Technical Staff has completed the review of the response to the conditions. All conditions have now been satisfactorily complied with.

The Crushing facilities amendment for the Sunnyside Cogeneration facility should now receive final approval as an Incidental Boundary Change and the amended plans should be incorporated into the SCA Mining and Reclamation plan. The Permit document should be revised accordingly.

crushapp.sca

### PERMIT AMENDMENT APPROVAL

Title: <i>Addition of Crusher Facility</i>	PERMIT NUMBER: <i>002/035</i>
Description: <i>SCA responded to conditions placed on Approval dated June 1, 1994. The conditions have now been addressed.</i>	PERMIT CHANGE #: <i>946</i>
	MINE: <i>Refuse + Slurry</i>
	PERMITTEE: <i>SCA</i>

#### WRITTEN FINDINGS FOR PERMIT APPLICATION APPROVAL

YES, NO or N/A

1.	The application is complete and accurate and the applicant has complied with all the requirements of the State Program.	Yes
2.	The proposed permit area is not within an area under study or administrative proceedings under a petition, filed pursuant to R645-103-400 or 30 CFR 769, to have an area designated as unsuitable for coal mining and reclamation operations, unless:	Yes
A.	The applicant has demonstrated that before January 4, 1977, substantial legal and financial commitments were made in relation to the operation covered by the permit application, or	
B.	The applicant has demonstrated that the proposed permit area is not within an area designated as unsuitable for mining pursuant to R645-103-300 and R645-103-400 or 30 CFR 769 or subject to the prohibitions or limitations of R645-103-230.	
3.	For coal mining and reclamation operations where the private mineral estate to be mined has been severed from the private surface estate, the applicant has submitted to the Division the documentation required under R645-301-114.200.	NA
4.	The Division has made an assessment of the probable cumulative impacts of all anticipated coal mining and reclamation operations on the hydrologic balance in the cumulative impact area and has determined that the proposed operation has been designed to prevent material damage to the hydrologic balance outside the permit area.	Yes
5.	The operation would not affect the continued existence of endangered or threatened species or result in destruction or adverse modification of their critical habitats, as determined under the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq.).	Yes
6.	The Division has taken into account the effect of the proposed permitting action on properties listed on and eligible for listing on the National Register of Historic Places. This finding may be supported in part by inclusion of appropriate permit conditions or changes in the operation plan protecting historic resources, or a documented decision that the Division has determined that no additional protection measures are necessary.	Yes
7.	The Applicant has demonstrated that reclamation as required by the State Program can be accomplished according to information given in the permit application.	Yes
8.	The Applicant has demonstrated that any existing structure will comply with the applicable performance standards of R645-301 and R645-302.	Yes
9.	The Applicant has paid all reclamation fees from previous and existing coal mining and reclamation operations as required by 30 CFR Part 870.	Yes
10.	The Applicant has satisfied the applicable requirements of R645-302.	NA
11.	The Applicant has, if applicable, satisfied the requirements for approval of a long-term, intensive agricultural postmining land use, in accordance with the requirements of R645-301-353.400.	NA

#### SPECIAL CONDITIONS OR STIPULATIONS TO THE PERMIT AMENDMENT APPROVAL

YES NO

1.	Are there any variances associated with this permit amendment approval? If yes, attach.		X
2.	Are there any special conditions associated with this permit amendment approval? If yes, attach.		X
3.	Are there any stipulations associated with this permit amendment approval? If yes, attach.		X

The Division hereby grants approval for Permit Amendment to the Existing Permit by incorporation of the proposed changes described herein and effective the date signed below. All other terms and conditions of the Existing Permit shall be maintained and in effect except as superseded by this Permit Amendment.

Signed

*Walter R. Haddock*  
 \_\_\_\_\_  
 Director, Division of Oil, Gas and Mining

*6/3/94*  
 \_\_\_\_\_  
 EFFECTIVE DATE



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)

June 1, 1994

Mr. David Pearce  
Sunnyside Cogeneration Associates  
P.O. Box 58087  
Salt Lake City, Utah 84158-0087

Re: Conditional Approval of Addition of Crusher Facility, Sunnyside Refuse and Slurry, Sunnyside Cogeneration Associates, ACT/007/035-94G, Folder #3, Carbon County, Utah

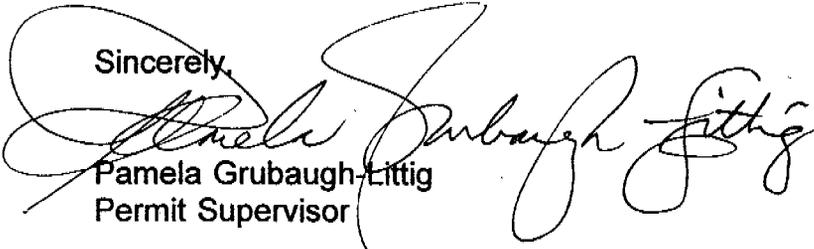
Dear Mr. Pearce:

The submittals for the addition of the crusher facility to the permit area (received May 16, 1994 and May 20, 1994) have been reviewed and the amendment is conditionally approved. The following conditions must be adequately addressed by June 30, 1994:

1. Monitoring of the piezometers must be continued, unless there is adequate justification to discontinue. The narrative must be corrected to describe the piezometer monitoring at this site. Table 5 must be corrected.
2. Diversion designs must be changed to include adequate freeboard. A discussion as to how these diversions will be monitored for erosion and what constitutes appropriate remediation must be included in the amendment.
3. Slope for the six-inch CMP primary spillway must be shown on cross-section Plate 7-18.
4. The reclamation cost estimate for this area must be included.
5. A narrative of the facilities must be included in the amendment.

If you have any questions, please call Daron Haddock or me.

Sincerely,

  
Pamela Grubaugh-Littig  
Permit Supervisor

cc: Lowell Braxton  
Joe Helfrich  
Daron Haddock





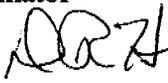
State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

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)

June 1, 1994

TO: Pamela Grubaugh-Littig, Permit Coordinator

From: Daron R. Haddock, Permit Supervisor 

Re: Approval of Crusher Facilities Amendment, Sunnyside Cogeneration Associates, Sunnyside Refuse and Slurry, ACT/007/035-94G, Folder #2, Carbon County, Utah

The Technical Staff has completed the review of the Crushing facilities amendment for the Sunnyside Cogeneration facility. The submitted plans (May 16, and 20, 1994) are acceptable for insertion to the SCA plan. There is some additional information that will still need to be submitted. This amendment should be approved as an Incidental Boundary Change with the following stipulations. The stipulations must be completed within 30 days.

1. SCA must provide a reclamation cost estimate for the additional facilities area.
2. SCA must provide an adequate narrative description of the new facilities.
3. SCA must continue to monitor the piezometers or provide adequate justification for discontinuing the monitoring. SCA must correct Table 5 to reflect all inspection requirements.
4. SCA must provide for adequate freeboard in the diversion designs.
5. SCA must provide a discussion as to how the diversions will be monitored for erosion and what constitutes appropriate remediation.
6. SCA must provide the slope for the 6 inch CMP primary spillway shown on the cross section on Plate 7-18.

crushfac.sca



## PERMIT AMENDMENT APPROVAL

Title: <u>Crusher Facilities</u>	PERMIT NUMBER: <u>ACT 007/035</u>
Description:	PERMIT CHANGE #: <u>946</u>
	MINE: <u>SEA Refuse + Slurry</u>
	PERMITTEE: <u>SCA</u>

### WRITTEN FINDINGS FOR PERMIT APPLICATION APPROVAL

	YES, NO or N/A
1. The application is complete and accurate and the applicant has complied with all the requirements of the State Program.	Yes
2. The proposed permit area is not within an area under study or administrative proceedings under a petition, filed pursuant to R645-103-400 or 30 CFR 769, to have an area designated as unsuitable for coal mining and reclamation operations, unless:	Yes
A. The applicant has demonstrated that before January 4, 1977, substantial legal and financial commitments were made in relation to the operation covered by the permit application, or	
B. The applicant has demonstrated that the proposed permit area is not within an area designated as unsuitable for mining pursuant to R645-103-300 and R645-103-400 or 30 CFR 769 or subject to the prohibitions or limitations of R645-103-230.	
3. For coal mining and reclamation operations where the private mineral estate to be mined has been severed from the private surface estate, the applicant has submitted to the Division the documentation required under R645-301-114.200.	NA
4. The Division has made an assessment of the probable cumulative impacts of all anticipated coal mining and reclamation operations on the hydrologic balance in the cumulative impact area and has determined that the proposed operation has been designed to prevent material damage to the hydrologic balance outside the permit area.	Yes
5. The operation would not affect the continued existence of endangered or threatened species or result in destruction or adverse modification of their critical habitats, as determined under the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq.).	Yes
6. The Division has taken into account the effect of the proposed permitting action on properties listed on and eligible for listing on the National Register of Historic Places. This finding may be supported in part by inclusion of appropriate permit conditions or changes in the operation plan protecting historic resources, or a documented decision that the Division has determined that no additional protection measures are necessary.	Yes
7. The Applicant has demonstrated that reclamation as required by the State Program can be accomplished according to information given in the permit application.	Yes
8. The Applicant has demonstrated that any existing structure will comply with the applicable performance standards of R645-301 and R645-302.	Yes
9. The Applicant has paid all reclamation fees from previous and existing coal mining and reclamation operations as required by 30 CFR Part 870.	Yes
10. The Applicant has satisfied the applicable requirements of R645-302.	NA
11. The Applicant has, if applicable, satisfied the requirements for approval of a long-term, intensive agricultural postmining land use, in accordance with the requirements of R645-301-353.400.	NA

### SPECIAL CONDITIONS OR STIPULATIONS TO THE PERMIT AMENDMENT APPROVAL

	YES	NO
1. Are there any variances associated with this permit amendment approval? If yes, attach.		X
2. Are there any special conditions associated with this permit amendment approval? If yes, attach.		X
3. Are there any stipulations associated with this permit amendment approval? If yes, attach.	X	

The Division hereby grants approval for Permit Amendment to the Existing Permit by incorporation of the proposed changes described herein and effective the date signed below. All other terms and conditions of the Existing Permit shall be maintained and in effect except as superseded by this Permit Amendment.

Signed Dawn R. Haddock  
 Director, Division of Oil, Gas and Mining

6/1/94  
 EFFECTIVE DATE



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)

TO: Daron Haddock, Permit Supervisor  
FROM: Wayne H. Western, Reclamation Engineer *WHW*  
DATE: May 25, 1994  
RE: Crushing Facilities, SCA ACT/007/035

**R645-301-526 Mine Facilities**

Synopsis of Proposal

The Operator proposes incorporating the crushing facility into the permit area. The facility contains primary and secondary crushers and the coal pile runoff basin. An inspection schedule for the pond was included in the submittal.

Analysis

The Division was supplied with limited information on the permit expansion. There was enough information to determine that the permit area must include the crusher facility. The Operator should be allowed to add the crusher facility to the permit area on the condition that he supplies the Division with additional information. The Operator must supply the Division with information on the reclamation bond (R645-301-830.140), cross-sections of the pond (645-301-521.100) and a narrative of the facilities (R645-301-526.100).

Recommendation

Approve the proposal on the condition that the Operator provide the Division with information on the reclamation bond, cross-sections of the pond and a narrative of the facilities.





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)

May 24, 1994

TO: File, ACT/007/035, Folder #2

FROM: Ken Wyatt, Senior Reclamation Hydrologist 

RE: Crushing Facilities Addition Amendment Review, Sunnyside  
Cogeneration Associates, Sunnyside Refuse Pile, ACT/007/035, Folder  
#2, Carbon County, Utah

SYNOPSIS

On May 20, 1994, Sunnyside Cogeneration Associates (SCA) submitted an amendment to add the coal crushing facility located at the power plant site into the SCA plan.

ANALYSIS

Included in the submittal for hydrology were revised plates 7-1A, 7-3, 7-6, 7-18. Additional text was included to insert into the SCA plan. These included a new Chapter 7: Hydrology, Appendices 7-3 and 7-8.

An inspection schedule was included as table 5-1 which describes the inspection frequency for spoil piles, refuse piles and impoundments. This schedule shows the annual inspections and certifications for the East and West Slurry Cells, but does not show the annual sediment pond inspections and certifications as required by R645-514.311.

Appendix 7-3 in the plan includes all of the designs for the sediment ponds. In this amendment, the Coal Pile Sediment Pond (CPSP) was added to the SCA permit area and its design was submitted for inclusion into Appendix 7-3.

Appendix 7-8 includes the operational and baseline water monitoring schedule. As mentioned many times in the past, the permittee must monitor baseline water quality sites to acquire baseline water quality data. Following complete acquisition of the baseline data then these sites are to be monitored for operational parameters.

The permittee continues to submit information stating that baseline monitoring sites are separate from the operational sites. The permittee continues to submit the operational water monitoring sites as those described in the UPDES



permit. All UPDES permitted sites must be monitored in accordance with the UPDES permit. Baseline water monitoring should continue to be collected and then these sites will be monitored for the operational parameters.

Other editorial changes were incorporated into this amendment. Most were changes to numbers as a result of the additional pond being placed into the permit area. On page 2 of Appendix 7-8, the permittee has deleted the requirement to monitor the piezometers located in the refuse piles. This deletion was again done on page 700-21. These changes are not acceptable unless the permittee can justify these changes.

The CPSP design drawing and cross section are located on Plate 7-18. The watersheds are drawn on Plate 7-1A. The CPSP includes 1 watershed consisting of 2.0 acres. The pond is another 0.30 acres. These areas were digitized and matched very closely with those in the plan. Curve numbers used for the runoff analysis were adequate.

The pond volumes based on the maps provided were checked using OSM's TIPS, Earth Vision volumetrics utility program. These volumes based on elevations are provided in the table below. The volumes calculated were generally larger than those provided in the plan and are within acceptable limits.

<u>PURPOSE</u>	<u>ELEV. (Feet)</u>	<u>CALCULATED VOLUME (Acre Feet)</u>	<u>PROPOSED PLAN VOLUME (Acre Feet)</u>
Pond bottom	6476.0	0.0	0.00
Max. sediment level	6477.5	0.54	0.30 <sup>1</sup>
Primary spillway	6478.5	0.94	0.60 <sup>1</sup>
10 yr. 24 hr. storm	6478.0	0.74	0.14 <sup>2</sup>
Emergency spillway	6479.5	1.39	0.90 <sup>1</sup>
Dam crest	6480	1.63	1.00 <sup>1</sup>

- 1: This value from the Sedimot II model for the 10 yr. 24 hr. event.  
2: This value from the stage capacity curve on design plate 7-18.

Stage discharge and stage capacity curves are provided on the design drawing, Plate 7-18. Sedimot II was used to calculate runoff volumes, peak flows, and sediment loads. The numbers generated produced a sediment load of 1.4 tons and a runoff volume of 0.14 acre feet from the 10 year 24 hour event.

The 25 year 6 hour Sedimot model produced a peak flow of 2.2 CFS. The 6 inch CMP spillway is capable of discharging up to 0.9 CFS and in combination with the open channel emergency spillway the pond can pass the peak runoff from the 25 year 6 hour event.

Sediment calculations from the 10 year 24 hour event produced 1.4 tons of sediment. Converting this amount to a volume produces 0.001 acre feet of sediment per storm event. According to the volume analysis mentioned above the pond has 0.54 acre feet of sediment capacity.

The diversions associated with the CPSP are erroneously labeled in table 5. These diversions are labeled as CPR-Inlet and CPR-Outlet whereas on plates 7-1A, 7-6, and 7-18 these diversions are all labeled CPSP-D1 and CPSP-D2. The SCA plan designs diversion by two calculations for channel depth and riprap requirements. To calculate channel depth the maximum Manning's n value and a minimum channel slope are used to calculate the flow depth and then 0.5 feet was added to the channel depth to insure adequate freeboard. The maximum calculated flow depth was 0.84 feet. The permittee has stated in table 5 that the depth of these channels will be 0.8 feet. This does not provide the adequate freeboard.

The use of riprap is determined by calculating flow velocity using a minimum Manning's n value and a maximum channel slope. This was done for the two diversions associated with this pond. Velocities for these diversions are under 4.5 feet per second. No riprap will be installed. Again the permittee has stated: "All diversion channels will be monitored. If excessive erosion occurs, appropriate remediation is required." There is no discussion as to how these diversions will be monitored and what constitutes appropriate remediation.

#### RECOMMENDATION

This submittal can be approved and accepted when the following items are corrected.

1. The permittee must provide adequate justification for not continuing the monitoring of the piezometers or continue monitoring these piezometers.
2. Table 5 will need to be corrected.
3. The diversions design will need to be changed to include adequate freeboard. A discussion as to how these diversions will be monitored for erosion and

Page 2  
Addition of Crusher Facility  
ACT/007/035  
May 24, 1994

what constitutes appropriate remediation will be required. When has excessive erosion occurred?

4. No slope is provided for the 6 inch CMP primary spillway shown on the cross section on Plate 7-18 and the maximum sediment level was not shown.

cc  
Pam Grubaugh-Littig  
Randy Harden



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangertor  
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

*File ACT/007/035*

*#2*

DATE: May 24, 1994

*Dee Hansen*

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Wm. J. Malencik, Reclamation Specialist *WJM*

RE: Sunnyside Co-Gen ACT/007/035, Permit Amendment

On May 19, 1994 in response to your request the undersigned reviewed the proposed addition to the Co-Gen permit area. The additional area concerns the two crushers, the belt line between two the crushers, pad, sediment pond and ditches. The belt line coming out of the secondary crusher is not included in the permit area even though the final ditch alignment may border on this belt line. The DOGM jurisdictional area now parallels MSHA jurisdictional boundaries.

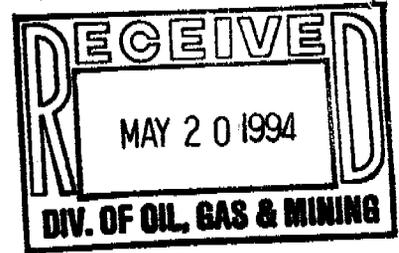
Because of the lay of the land all the disturbed area involved in this amendment can easily be directed to the new pond. This pond may require some additional consideration by the permittee as related to the decant and the open emergency spillway.

Coal fines is the only matter of conjuncture. However, since the winds are primarily north-westerly, wind coal fines problems will primarily be associated with incoming weather fronts. No coal fines were observed outside of the proposed permit area.

Recommend the proposal be approved.

**SUNNYSIDE COGENERATION ASSOCIATES**

POST OFFICE BOX 58087  
SALT LAKE CITY, UTAH 84158-0087



May 20, 1994

Randy Harden  
Division of Oil, Gas and Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

RE: Sunnyside Cogeneration Associates (SCA) Permit No. ACT/007/035  
Project Number EC450593  
ADDITION OF CRUSHING FACILITIES TO PERMIT AREA

ACT/007/035 #2  
946

Dear Randy:

Enclosed with this submittal is the additional information needed to increase the permit area to include the crushing facilities adjacent to the access road. The following documents have been revised or added for this submittal:

- Plate 4-5 Cogeneration Facility
- Plate 3-1, 3-1D, 3-1E, Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
- Plate 7-1A Pasture Pond and Coal Pile Runoff Basin Drainage
- Plate 7-3 Operational (UPDES) Water Monitoring Locations
- Plate 7-6 Ditch and Culvert Locations
- Plate 7-18 Coal Pile Runoff Sediment Pond and Cross Sections
- Text from Chapter Four, Chapter Seven, and Chapter Nine
- Appendix 7-3 Hydrologic Calculations for the Coal Pile Sediment Pond
- Appendix 7-8 Operational (UPDES) and Baseline Water Monitoring Schedule
- Table 5-1, Inspection Schedule

Savage is currently upgrading and retrofitting the crushing facility as well as the diversions and sediment pond. They should be completed during the month of June. SCA will revise any plates needed to more accurately show the finished conditions by August 15, 1994.

Sincerely,

*DRP for*  
David R Pearde

Authorized Member, Management Committee

*Alane E. Boyd*

Alane E Boyd, PE  
Senior Engineer  
Eckhoff, Watson and Preator Engineering

cc: Brian Burnett/Callister, Duncan and Nebeker

## Application for Permit Change Detailed Schedule of Changes to the Permit

Title of Change: **SUNNYSIDE COGENERATION ASSOCIATES  
Addition of Crushing Facilities to the Permit Area**

Permit Number: **ACT/007/035**

Mine: **Sunnyside Cogen. Assoc.**

Permittee: **Sunnyside Cogen. Assoc.**

Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit change. Individually list all maps and drawings which are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages or other information as needed to specifically locate, identify and revise the exiting mining and reclamation plan. Include page, section and drawing numbers as part of the description.

			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-1 Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-1D Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-1E Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 4-5 Cogeneration Facility
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-1A Pasture Pond and Coal Pile Runoff Basin Drainage
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-3 Operational (UPDES) Water Monitoring Locations
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-6 Ditch and Culvert Locations
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-18 Coal Pile Runoff Sediment Pond and Cross Sections
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Chapter Four Text
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Table 5-1 Inspection Schedule
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Chapter Seven Text
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Appendix 7-3 Coal Runoff Sediment Pond Hydrologic Calculations
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Appendix 7-8 Operational (UPDES) and Baseline Water Monitoring Schedule
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Chapter Nine Text, Page 900-10
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	

Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

## APPLICATION FOR PERMIT CHANGE

Title of Change: **SUNNYSIDE COGENERATION ASSOCIATES**  
 Addition of Crushing Facilities to Permit Area

Permit Number: **ACT/007/035**

Mine: **Sunnyside Cogen. Assoc.**

Permittee: **Sunnyside Cogen. Assoc.**

Description - include reason for change and timing required to implement: **Details to supplement the permit change submitted May 16, 1994. Upgrading and retrofitting of this area should be accomplished in June 1995. Any needed revisions to the drawings or text will be submitted by August 15, 1994.**

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 1. Change in the size of the Permit Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.                          |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 2. Change in the size of the Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.                       |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 3. Will permit change include operations outside the Cumulative Hydrologic Impact Area?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 4. Will permit change include operations in hydrologic basins other than currently approved?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 5. Does permit change result from cancellation, reduction or increase of insurance or reclamation bond?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 6. Does permit change require or include public notice publication?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 7. Permit change as a result of a Violation? Violation # _____  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 8. Permit change as a result of a Division Order? D.O. # _____  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 9. Permit change as a result of other laws or regulations? Explain: _____   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 10. Does permit change require or include ownership, control, right-of-entry, or compliance information?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 11. Does the permit change affect the surface landowner or change the post mining land use?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 12. Does permit change require or include collection and reporting of any baseline information?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 13. Could the permit change have any effect on wildlife or vegetation outside the current disturbed area?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 14. Does permit change require or include soil removal, storage or placement?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 15. Does permit change require or include vegetation monitoring, removal or revegetation activities?  |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 16. Does permit change require or include construction, modification, or removal of surface facilities?   |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 17. Does permit change require or include water monitoring, sediment or drainage control measures?  |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 18. Does permit change require or include certified designs, maps, or calculations?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 19. Does permit change require or include underground design or mine sequence and timing?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 20. Does permit change require or include subsidence control or monitoring?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 21. Have reclamation costs for bonding been provided or revised for any change in the reclamation plan?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 22. Is permit change within 100 feet of a public road or perennial stream or 500 feet of an occupied dwelling?                                      |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 23. Is this permit change coal exploration activity <input type="checkbox"/> inside <input type="checkbox"/> outside of the permit area? <b>N/A</b> |

Attached **3** complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all aspects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

*Name E. Boyd, P.E. 5/20/94*

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_

Notary Public


  
**NOTARY PUBLIC**  
**MYRLYN YOUNG**  
 1121 E. 3900 So. #C-100  
 Salt Lake City, Utah 84124  
 My Commission Expires  
 19 \_\_\_\_\_ March 8, 1997  
**STATE OF UTAH**

My Commission Expires: \_\_\_\_\_  
 Attest: STATE OF \_\_\_\_\_  
 COUNTY OF \_\_\_\_\_

**RECEIVED**

MAY 20 1994

DIV. OF OIL, GAS & MINING

ASSIGNED PERMIT CHANGE NUMBER \_\_\_\_\_



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)

June 1, 1994

Mr. David Pearce  
Sunnyside Cogeneration Associates  
P.O. Box 58087  
Salt Lake City, Utah 84158-0087

Re: Conditional Approval of Addition of Crusher Facility, Sunnyside Refuse and Slurry, Sunnyside Cogeneration Associates, ACT/007/035-94G, Folder #3, Carbon County, Utah

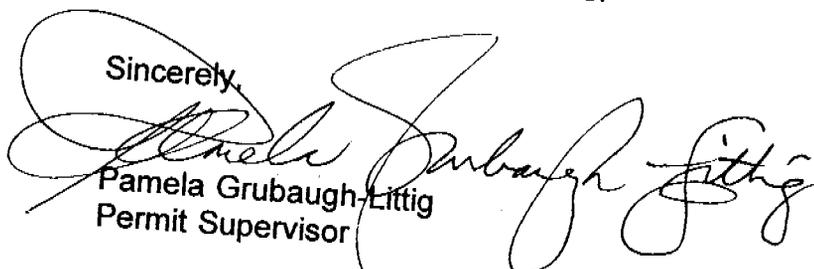
Dear Mr. Pearce:

The submittals for the addition of the crusher facility to the permit area (received May 16, 1994 and May 20, 1994) have been reviewed and the amendment is conditionally approved. The following conditions must be adequately addressed by June 30, 1994:

1. Monitoring of the piezometers must be continued, unless there is adequate justification to discontinue. The narrative must be corrected to describe the piezometer monitoring at this site. Table 5 must be corrected.
2. Diversion designs must be changed to include adequate freeboard. A discussion as to how these diversions will be monitored for erosion and what constitutes appropriate remediation must be included in the amendment.
3. Slope for the six-inch CMP primary spillway must be shown on cross-section Plate 7-18.
4. The reclamation cost estimate for this area must be included.
5. A narrative of the facilities must be included in the amendment.

If you have any questions, please call Daron Haddock or me.

Sincerely,

  
Pamela Grubaugh-Littig  
Permit Supervisor

cc: Lowell Braxton  
Joe Helfrich  
Daron Haddock



```
*****
*
*           ** TRANSMIT CONFIRMATION REPORT **
*
*   Journal No.   : 003
*   Receiver      : 505 7662609
*   Transmitter   : DIV OIL GAS & MINING
*   Date          : Jun 2,94 10:25
*   Document      : 02 pages
*   Time          : 01'03"
*   Mode          : G3 NORMAL
*   Result        : OK
*
*****
```

*Sent @ 8:25 am, had pressed button twice,  
no confirmation report.*



**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)

UTAH DIVISION OF OIL, GAS AND MINING  
 FACSIMILE COVER SHEET

DATE: June 2, 1994  
 FAX # \_\_\_\_\_  
 ATTN: Bernie Freeman  
 COMPANY: OSM-AFO  
 FROM: Pam Grubbs/GH-LITTLE  
 DEPARTMENT: DDGM

NUMBER OF PAGES BEING SENT (INCLUDING THIS ONE): \_\_\_\_\_

If you do not receive all of the pages, or if they are illegible, please call (801) 538-5340.

We are sending from a Murata facsimile machine. Our telecopier number is (801) 359-3940.

MESSAGES:

The SCA Crusher Facility  
Amendment information.



\*\*\*\*\*  
\*  
\* \*\* TRANSMIT CONFIRMATION REPORT \*\*  
\*  
\* Journal No. : 003  
\* Receiver : 505 7662609  
\* Transmitter : DIV OIL GAS & MINING  
\* Date : Jun 2,94 10:25  
\* Document : 02 pages  
\* Time : 01'03"  
\* Mode : G3 NORMAL  
\* Result : OK  
\*  
\*\*\*\*\*

*Sent @ 8:25 am. but pressed button twice,  
no confirmation report.*



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)

UTAH DIVISION OF OIL, GAS AND MINING  
 FACSIMILE COVER SHEET

DATE: May 17, 1994  
 FAX # \_\_\_\_\_  
 ATTN: Bill Malinick  
 COMPANY: DOG M / Price Field Office  
 FROM: Pam  
 DEPARTMENT: DOG M

NUMBER OF PAGES BEING SENT (INCLUDING THIS ONE): 5

If you do not receive all of the pages, or if they are illegible, please call (801) 538-5340.

We are sending from a Murata facsimile machine. Our telecopier number is (801) 359-3940.

MESSAGES:

Bill -  
Would ~~you~~ you please  
review this permit area  
changes.  
TXS  
PAM

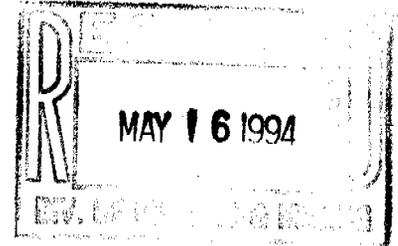


**SUNNYSIDE COGENERATION ASSOCIATES**

POST OFFICE BOX 58087  
SALT LAKE CITY, UTAH 84158-0087

May 16, 1994

Randy Harden  
Division of Oil, Gas and Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203



RE: Sunnyside Cogeneration Associates (SCA) Permit No. ACT/007/035  
Project Number EC450593  
ADDITION OF CRUSHING FACILITIES TO PERMIT AREA

Dear Randy:

Enclosed with this submittal is the proposed permit boundary change and related information needed to increase the permit area to include the crushing facilities adjacent to the access road. The following documents have been revised for this submittal:

- Plate 1-1 SCA Permit Area Legal Description and SCA Lease Area Boundary
- Plate 4-5 Cogeneration Facility
- Plate 7-1 Hydrologic Index Map

The following documents will be revised and submitted on Friday, May 20, 1994:

- Text from Chapter Four, Chapter Seven, Appendix 7-3, and Chapter Nine
- Plate 3-1, 3-1D, 3-1E, Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
- Plate 7-1A Pasture Pond and Coal Pile Runoff Basin Drainage
- Plate 7-3 Operational (UPDES) Water Monitoring Locations
- Plate 7-6 Ditch and Culvert Locations
- Plate 7-18 Coal Pile Runoff Sediment Pond and Cross Sections

Sincerely,

A handwritten signature in black ink that reads 'AEB for'. The 'AEB' is written in a stylized, cursive font, and 'for' is written in a simpler, more legible cursive.

David R Pearce  
Authorized Member, Management Committee

A handwritten signature in black ink that reads 'Alane E. Boyd'. The signature is written in a cursive, flowing style.

Alane E Boyd, PE  
Senior Engineer  
Eckhoff, Watson and Preator Engineering

cc: Brian Burnett/Callister, Duncan and Nebeker

## APPLICATION FOR PERMIT CHANGE

Title of Change: **SUNNYSIDE COGENERATION ASSOCIATES**  
**Addition of Crushing Facilities to Permit Area**

Permit Number: **ACT/007/035**

Mine: **Sunnyside Cogen. Assoc.**

Permittee: **Sunnyside Cogen. Assoc.**

Description - include reason for change and timing required to implement: **MSHA determination that crushing facilities associated with the adjacent power plant are mine related. Five days will be needed to verify sufficient field details and submit additional plates and text.**

- |   |  |   |
|---|--|---|
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 1. Change in the size of the Permit Area? <u>1.9</u> acres <input checked="" type="checkbox"/> increase <input type="checkbox"/> decrease.          |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 2. Change in the size of the Disturbed Area? <u>1.9</u> acres <input checked="" type="checkbox"/> increase <input type="checkbox"/> decrease.       |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 3. Will permit change include operations outside the Cumulative Hydrologic Impact Area?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 4. Will permit change include operations in hydrologic basins other than currently approved?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 5. Does permit change result from cancellation, reduction or increase of insurance or reclamation bond?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 6. Does permit change require or include public notice publication?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 7. Permit change as a result of a Violation? Violation #  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 8. Permit change as a result of a Division Order? D.O. #  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 9. Permit change as a result of other laws or regulations? Explain:   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 10. Does permit change require or include ownership, control, right-of-entry, or compliance information?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 11. Does the permit change affect the surface landowner or change the post mining land use?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 12. Does permit change require or include collection and reporting of any baseline information?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 13. Could the permit change have any effect on wildlife or vegetation outside the current disturbed area?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 14. Does permit change require or include soil removal, storage or placement?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 15. Does permit change require or include vegetation monitoring, removal or revegetation activities?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 16. Does permit change require or include construction, modification, or removal of surface facilities?   |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 17. Does permit change require or include water monitoring, sediment or drainage control measures?  |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 18. Does permit change require or include certified designs, maps, or calculations?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 19. Does permit change require or include underground design or mine sequence and timing?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 20. Does permit change require or include subsidence control or monitoring?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 21. Have reclamation costs for bonding been provided or revised for any change in the reclamation plan?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 22. Is permit change within 100 feet of a public road or perennial stream or 500 feet of an occupied dwelling?                                      |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 23. Is this permit change coal exploration activity <input type="checkbox"/> inside <input type="checkbox"/> outside of the permit area? <b>N/A</b> |

Attached **3** complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all aspects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

*Alome E. Boyd, P.E., 5/16/94*  
 Signed - Name - Position - Date

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_

Notary Public



**NOTARY PUBLIC**  
**MARILLYN YOUNG**  
 1121 E. 3900 So. #C-100  
 Salt Lake City, Utah 84124  
 My Commission Expires  
 March 8, 1997  
**STATE OF UTAH**

My Commission Expires:  
 Attest: STATE OF  
 COUNTY OF

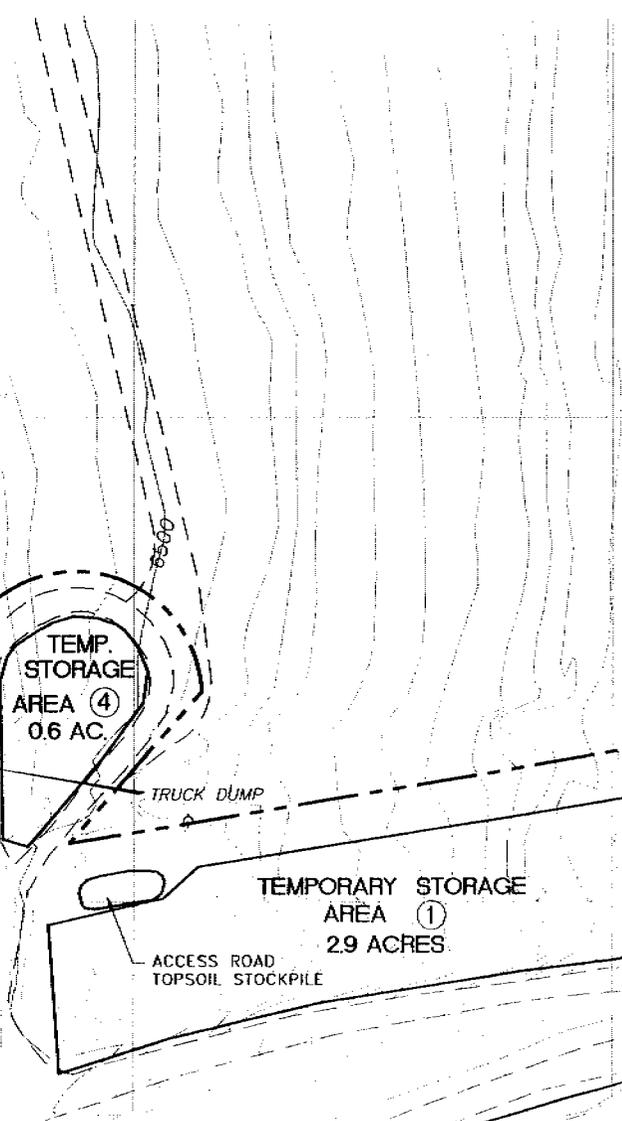
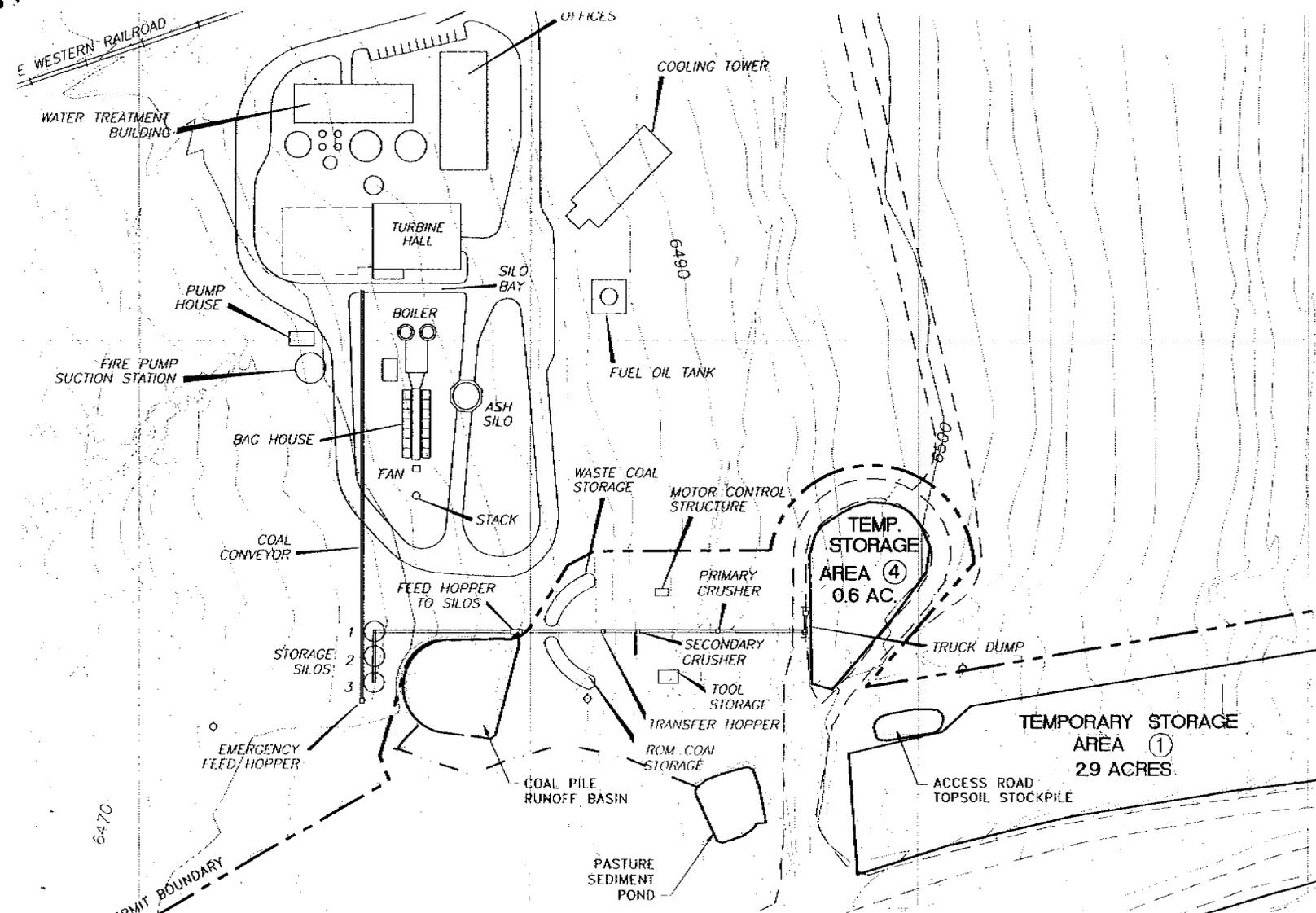
Received by: **Oil, Gas & Mining**

MAY 16 1994

---

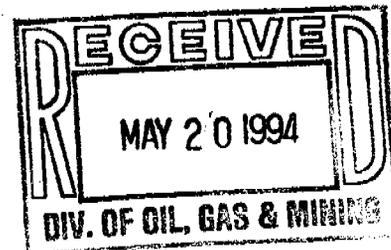
ASSIGNED PERMIT CHANGE NUMBER





**SUNNYSIDE COGENERATION ASSOCIATES**

POST OFFICE BOX 58087  
SALT LAKE CITY, UTAH 84158-0087



May 20, 1994

Randy Harden  
Division of Oil, Gas and Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

946

RE: Sunnyside Cogeneration Associates (SCA) Permit No. ACT/007/035  
Project Number EC450593  
ADDITION OF CRUSHING FACILITIES TO PERMIT AREA

Dear Randy:

Enclosed with this submittal is the additional information needed to increase the permit area to include the crushing facilities adjacent to the access road. The following documents have been revised or added for this submittal:

- Plate 4-5 Cogeneration Facility
- Plate 3-1, 3-1D, 3-1E, Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
- Plate 7-1A Pasture Pond and Coal Pile Runoff Basin Drainage
- Plate 7-3 Operational (UPDES) Water Monitoring Locations
- Plate 7-6 Ditch and Culvert Locations
- Plate 7-18 Coal Pile Runoff Sediment Pond and Cross Sections
- Text from Chapter Four, Chapter Seven, and Chapter Nine
- Appendix 7-3 Hydrologic Calculations for the Coal Pile Sediment Pond
- Appendix 7-8 Operational (UPDES) and Baseline Water Monitoring Schedule
- Table 5-1, Inspection Schedule

Savage is currently upgrading and retrofitting the crushing facility as well as the diversions and sediment pond. They should be completed during the month of June. SCA will revise any plates needed to more accurately show the finished conditions by August 15, 1994.

Sincerely,

*ARB for*

David R Pearde  
Authorized Member, Management Committee

*Alane E. Boyd*

Alane E Boyd, PE  
Senior Engineer  
Eckhoff, Watson and Preator Engineering

cc: Brian Burnett/Callister, Duncan and Nebeker

## Application for Permit Change Detailed Schedule of Changes to the Permit

Title of Change: **SUNNYSIDE COGENERATION ASSOCIATES**  
Addition of Crushing Facilities to the Permit Area

Permit Number: **ACT/007/035**

Mine: **Sunnyside Cogen. Assoc.**

Permittee: **Sunnyside Cogen. Assoc.**

Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit change. Individually list all maps and drawings which are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages or other information as needed to specifically locate, identify and revise the exiting mining and reclamation plan. Include page, section and drawing numbers as part of the description.

			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-1 Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-1D Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-1E Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 4-5 Cogeneration Facility
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-1A Pasture Pond and Coal Pile Runoff Basin Drainage
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-3 Operational (UPDES) Water Monitoring Locations
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-6 Ditch and Culvert Locations
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-18 Coal Pile Runoff Sediment Pond and Cross Sections
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Chapter Four Text
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Table 5-1 Inspection Schedule
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Chapter Seven Text
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Appendix 7-3 Coal Runoff Sediment Pond Hydrologic Calculations
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Appendix 7-8 Operational (UPDES) and Baseline Water Monitoring Schedule
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Chapter Nine Text, Page 900-10
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	

Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

## APPLICATION FOR PERMIT CHANGE

Title of Change: **SUNNYSIDE COGENERATION ASSOCIATES**  
 Addition of Crushing Facilities to Permit Area

Permit Number: **ACT/007/035**

Mine: **Sunnyside Cogen. Assoc.**

Permittee: **Sunnyside Cogen. Assoc.**

Description - include reason for change and timing required to implement: Details to supplement the permit change submitted May 16, 1994. Upgrading and retrofitting of this area should be accomplished in June 1995. Any needed revisions to the drawings or text will be submitted by August 15, 1994.

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 1. Change in the size of the Permit Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.                   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 2. Change in the size of the Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.                |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 3. Will permit change include operations outside the Cumulative Hydrologic Impact Area?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 4. Will permit change include operations in hydrologic basins other than currently approved?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 5. Does permit change result from cancellation, reduction or increase of insurance or reclamation bond?                                      |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 6. Does permit change require or include public notice publication?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 7. Permit change as a result of a Violation? Violation # _____   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 8. Permit change as a result of a Division Order? D.O. # _____   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 9. Permit change as a result of other laws or regulations? Explain: _____  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 10. Does permit change require or include ownership, control, right-of-entry, or compliance information?                                     |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 11. Does the permit change affect the surface landowner or change the post mining land use?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 12. Does permit change require or include collection and reporting of any baseline information?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 13. Could the permit change have any effect on wildlife or vegetation outside the current disturbed area?                                    |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 14. Does permit change require or include soil removal, storage or placement?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 15. Does permit change require or include vegetation monitoring, removal or revegetation activities?   |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 16. Does permit change require or include construction, modification, or removal of surface facilities?                                      |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 17. Does permit change require or include water monitoring, sediment or drainage control measures?   |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 18. Does permit change require or include certified designs, maps, or calculations?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 19. Does permit change require or include underground design or mine sequence and timing?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 20. Does permit change require or include subsidence control or monitoring?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 21. Have reclamation costs for bonding been provided or revised for any change in the reclamation plan?                                      |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 22. Is permit change within 100 feet of a public road or perennial stream or 500 feet of an occupied dwelling?                               |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 23. Is this permit change coal exploration activity <input type="checkbox"/> inside <input type="checkbox"/> outside of the permit area? N/A |

Attached **3** complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all aspects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

*Alane E. Boyd, P.E. 5/20/94*  
 Signed - Name - Position - Date

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 1994.  
 \_\_\_\_\_  
 Notary Public

**NOTARY PUBLIC**  
**MARILYN YOUNG**  
 1121 E. 3900 So. #C-100  
 Salt Lake City, Utah 84124  
 My Commission Expires  
 19 \_\_\_\_\_ March 8, 1997  
**STATE OF UTAH**

My Commission Expires:  
 Attest: STATE OF  
 COUNTY OF

Received by Oil, Gas & Mining

# RECEIVED

MAY 20 1994

DIV. OF OIL, GAS & MINING  
 STATE OF UTAH

ASSIGNED PERMIT CHANGE NUMBER

**SUNNYSIDE COGENERATION ASSOCIATES**

POST OFFICE BOX 58087  
SALT LAKE CITY, UTAH 84158-0087

May 16, 1994

Randy Harden  
Division of Oil, Gas and Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

RE: Sunnyside Cogeneration Associates (SCA) Permit No. ACT/007/035  
Project Number EC450593  
ADDITION OF CRUSHING FACILITIES TO PERMIT AREA

Dear Randy:

Enclosed with this submittal is the proposed permit boundary change and related information needed to increase the permit area to include the crushing facilities adjacent to the access road. The following documents have been revised for this submittal:

Plate 1-1 SCA Permit Area Legal Description and SCA Lease Area Boundary  
Plate 4-5 Cogeneration Facility  
Plate 7-1 Hydrologic Index Map

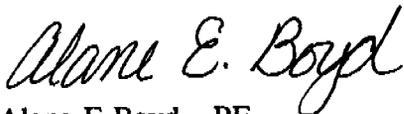
The following documents will be revised and submitted on Friday, May 20, 1994:

Text from Chapter Four, Chapter Seven, Appendix 7-3, and Chapter Nine  
Plate 3-1, 3-1D, 3-1E, Pre-law, Post-law, & Future (Anticipated) Disturbed Areas  
Plate 7-1A Pasture Pond and Coal Pile Runoff Basin Drainage  
Plate 7-3 Operational (UPDES) Water Monitoring Locations  
Plate 7-6 Ditch and Culvert Locations  
Plate 7-18 Coal Pile Runoff Sediment Pond and Cross Sections

Sincerely,



David R Pearce  
Authorized Member, Management Committee



Alane E Boyd, PE  
Senior Engineer  
Eckhoff, Watson and Preator Engineering

cc: Brian Burnett/Callister, Duncan and Nebeker

## APPLICATION FOR PERMIT CHANGE

Title of Change: **SUNNYSIDE COGENERATION ASSOCIATES**  
 Addition of Crushing Facilities to Permit Area

Permit Number: ACT/007/035

Mine: Sunnyside Cogen. Assoc.

Permittee: Sunnyside Cogen. Assoc.

Description - include reason for change and timing required to implement: MSHA determination that crushing facilities associated with the adjacent power plant are mine related. Five days will be needed to verify sufficient field details and submit additional plates and text.

- |   |  |   |
|---|--|---|
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 1. Change in the size of the Permit Area? <u>1.9</u> acres <input checked="" type="checkbox"/> increase <input type="checkbox"/> decrease.    |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 2. Change in the size of the Disturbed Area? <u>1.9</u> acres <input checked="" type="checkbox"/> increase <input type="checkbox"/> decrease. |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 3. Will permit change include operations outside the Cumulative Hydrologic Impact Area?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 4. Will permit change include operations in hydrologic basins other than currently approved?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 5. Does permit change result from cancellation, reduction or increase of insurance or reclamation bond?                                       |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 6. Does permit change require or include public notice publication?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 7. Permit change as a result of a Violation? Violation #  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 8. Permit change as a result of a Division Order? D.O. #  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 9. Permit change as a result of other laws or regulations? Explain:   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 10. Does permit change require or include ownership, control, right-of-entry, or compliance information?                                      |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 11. Does the permit change affect the surface landowner or change the post mining land use?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 12. Does permit change require or include collection and reporting of any baseline information?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 13. Could the permit change have any effect on wildlife or vegetation outside the current disturbed area?                                     |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 14. Does permit change require or include soil removal, storage or placement?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 15. Does permit change require or include vegetation monitoring, removal or revegetation activities?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 16. Does permit change require or include construction, modification, or removal of surface facilities?                                       |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 17. Does permit change require or include water monitoring, sediment or drainage control measures?  |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 18. Does permit change require or include certified designs, maps, or calculations?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 19. Does permit change require or include underground design or mine sequence and timing?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 20. Does permit change require or include subsidence control or monitoring?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 21. Have reclamation costs for bonding been provided or revised for any change in the reclamation plan?                                       |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 22. Is permit change within 100 feet of a public road or perennial stream or 500 feet of an occupied dwelling?                                |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 23. Is this permit change coal exploration activity <input type="checkbox"/> inside <input type="checkbox"/> outside of the permit area? N/A  |

Attached **3** complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all aspects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

*Alame E. Boyd, P.E.* 5/16/94  
 Signed - Name - Position - Date

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_

*Marillyn Young*  
 Notary Public

**NOTARY PUBLIC**  
**MARILLYN YOUNG**  
 1121 E. 3900 So. #C-100  
 San Lake City, Utah 84124  
 My Commission Expires  
 March 8, 1997  
**STATE OF UTAH**

My Commission Expires:  
 Attest: STATE OF  
 COUNTY OF

Received by Oil, Gas & Mining

RECEIVED

MAY 16 1994

ASSIGNED PERMIT CHANGE NUMBER

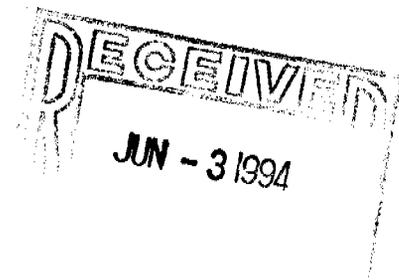


# SUNNYSIDE COGENERATION ASSOCIATES

POST OFFICE BOX 58087  
SALT LAKE CITY, UTAH 84158-0087

December 13, 1993

June 3, 1994  
AEB



Mr. Jim Carter, Director  
Division of Oil, Gas and Mining  
3 Triad Center, Suite 350  
Salt lake City, Utah 84180-1203

RE: Sunnyside Cogeneration Associates (SCA) Permit No. ACT/007/035  
Project Number EC450593  
Conditional Approval of Addition of Crusher Facility

Dear Jim,

This letter is written in regards to the response letter from DOGM dated June 1, 1994 regarding the Conditional Approval of the Addition of the Crusher Facility at the Sunnyside Cogeneration Associates Facilities.

1. *Monitoring of the piezometers must be continued, unless there is adequate justification to discontinue. The narrative must be corrected to describe the piezometer monitoring at this site. Table 5 must be corrected.*

The piezometer monitoring has never been discontinued. The line that was struck from the text stated that "There are some piezometer tubes near some of the impoundments." The piezometers are located near the East Slurry Cell and continue to be monitored weekly. There are no piezometers near the Crusher Facility Area.

SCA felt that this line was ambiguous and should not be included in section 748. Well Casing and Sealing. However, we have added the sentence back into the PAP (Page 700-21).

Table 5 in Appendix 7-3 has been changed to reflect 0.5 feet of freeboard in the diversions. Additionally, the Ditch No. names have been changed to be consistent with Plate 7-1 and 7-1A.

2. *Diversion designs must be changed to include adequate freeboard A discussion as to how these diversions will be monitored for erosion and what constitutes appropriate remediation must be included in the amendment.*

The text and calculations in Appendix 7-3 as well as Table 5 in Appendix 7-3 has been changed to reflect 0.5 feet of freeboard in the diversions. These changes satisfy the condition; however, SCA is not required to design diversions with any freeboard. The diversions were adequately sized to accommodate the 10-year, 6-hour design storm which is required in the regulations.

A discussion of monitoring and maintenance of the diversions has been added to Section 9.11.3 Monitoring and Maintenance, Erosion (Page 900-24). Additionally, Appendix 7-3 has been changed to reference the information in Chapter 9.

Mr. Jim Carter, Director  
June 3, 1994  
Page Two

---

3. *Slope for the six-inch CMP primary spillway must be shown on cross-section Plate 7-18.*

The 3% slope has been added to the plate and resubmitted.

4. *The reclamation cost estimate for this area must be included.*

The reclamation cost estimate for the new crusher facility has been prepared and is submitted as Figure 8-1A, Crusher Facility Bond Estimate. The total estimated cost for reclamation for the entire SCA Permit Area, including monitoring and maintenance, is approximately \$1,418,116 and is shown in Figure 8-1B. Figure 8-2A has also been added to detail the Salvage Value of the Waste Coal Processing Equipment.

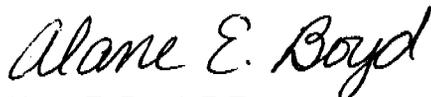
The existing surety bond (Surety Bond No. 51123-A issued by Frontier Insurance Company) in the amount of \$1,500,000 is sufficient to cover the entire SCA Permit Area including the crusher facility area.

5. *A narrative of the facilities must be included in the amendment.*

A narrative of the facilities for the crusher facility area has been included in the PAP since December 1993 as pages 400-6 through 400-9. In December, 1993 the crusher facility area was considered adjacent facilities and a detailed description was included. The text for the amendment was only amended to indicate that the facilities were **included** in the SCA Permit Area and not **adjacent** to the SCA Permit Area. Please refer to pages 400-6 through 400-9 for the necessary descriptions.

We look forward to a rapid review and approval of this submittal. If you have any questions, please call me.

Sincerely,



Alane E. Boyd, P.E.  
Senior Engineer

cc: Brian Burnett, CDN  
Jim Carter, DOGM  
David Pearce, SCA  
Joe Helfrich, DOGM  
Pam Grubaugh-Littig, DOGM

## APPLICATION FOR PERMIT CHANGE

Title of Change: **SUNNYSIDE COGENERATION ASSOCIATES**  
**Addition of Crushing Facilities to Permit Area**

Permit Number: **ACT/007/035**

Mine: **Sunnyside Cogen. Assoc.**

Permittee: **Sunnyside Cogen. Assoc.**

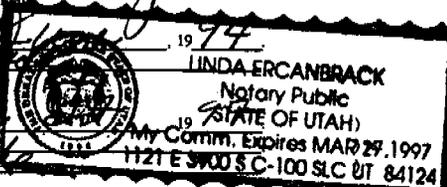
Description - include reason for change and timing required to implement: **Details to supplement the permit changes submitted May 16, 1994. and May 20, 1994. DOGM conditional approval of addition of crusher facility dated June 1, 1994.**

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	1. Change in the size of the Permit Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	2. Change in the size of the Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	3. Will permit change include operations outside the Cumulative Hydrologic Impact Area?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	4. Will permit change include operations in hydrologic basins other than currently approved?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	5. Does permit change result from cancellation, reduction or increase of insurance or reclamation bond?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6. Does permit change require or include public notice publication?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7. Permit change as a result of a Violation? Violation # _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	8. Permit change as a result of a Division Order? D.O. # _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	9. Permit change as a result of other laws or regulations? Explain: _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	10. Does permit change require or include ownership, control, right-of-entry, or compliance information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	11. Does the permit change affect the surface landowner or change the post mining land use?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	12. Does permit change require or include collection and reporting of any baseline information?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	13. Could the permit change have any effect on wildlife or vegetation outside the current disturbed area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	14. Does permit change require or include soil removal, storage or placement?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	15. Does permit change require or include vegetation monitoring, removal or revegetation activities?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	16. Does permit change require or include construction, modification, or removal of surface facilities?
<input type="checkbox"/> Yes	<input type="checkbox"/> No	17. Does permit change require or include water monitoring, sediment or drainage control measures?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	18. Does permit change require or include certified designs, maps, or calculations?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	19. Does permit change require or include underground design or mine sequence and timing?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	20. Does permit change require or include subsidence control or monitoring?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	21. Have reclamation costs for bonding been provided or revised for any change in the reclamation plan?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	22. Is permit change within 100 feet of a public road or perennial stream or 500 feet of an occupied dwelling?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	23. Is this permit change coal exploration activity <input type="checkbox"/> inside <input type="checkbox"/> outside of the permit area? <b>N/A</b>

Attached **3** complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all aspects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

*Alan E. Boyd, P.E.* 6/3/94  
 Signed - Name - Position - Date

Subscribed and sworn to before me this 31<sup>st</sup> day of June, 1994  
*Linda Ercanbrack*  
 Notary Public  
  
 My Commission Expires: March 1997  
 Attest: STATE OF UTAH  
 COUNTY OF SALT LAKE

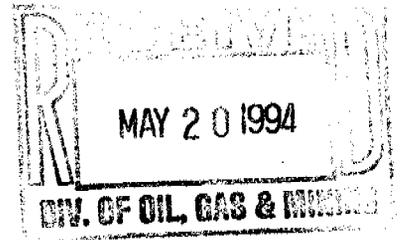
Received by Oil, Gas & Mining

ASSIGNED PERMIT CHANGE NUMBER



**SUNNYSIDE COGENERATION ASSOCIATES**

POST OFFICE BOX 58087  
SALT LAKE CITY, UTAH 84158-0087



May 20, 1994

Randy Harden  
Division of Oil, Gas and Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

RE: Sunnyside Cogeneration Associates (SCA) Permit No. ACT/007/035  
Project Number EC450593  
ADDITION OF CRUSHING FACILITIES TO PERMIT AREA

946

Dear Randy:

Enclosed with this submittal is the additional information needed to increase the permit area to include the crushing facilities adjacent to the access road. The following documents have been revised or added for this submittal:

- Plate 4-5 Cogeneration Facility
- Plate 3-1, 3-1D, 3-1E, Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
- Plate 7-1A Pasture Pond and Coal Pile Runoff Basin Drainage
- Plate 7-3 Operational (UPDES) Water Monitoring Locations
- Plate 7-6 Ditch and Culvert Locations
- Plate 7-18 Coal Pile Runoff Sediment Pond and Cross Sections
- Text from Chapter Four, Chapter Seven, and Chapter Nine
- Appendix 7-3 Hydrologic Calculations for the Coal Pile Sediment Pond
- Appendix 7-8 Operational (UPDES) and Baseline Water Monitoring Schedule
- Table 5-1, Inspection Schedule

Savage is currently upgrading and retrofitting the crushing facility as well as the diversions and sediment pond. They should be completed during the month of June. SCA will revise any plates needed to more accurately show the finished conditions by August 15, 1994.

Sincerely,

*DRP for*  
David R Pearde  
Authorized Member, Management Committee

*Alane E. Boyd*  
Alane E Boyd, PE  
Senior Engineer  
Eckhoff, Watson and Preator Engineering

cc: Brian Burnett/Callister, Duncan and Nebeker

## Application for Permit Change Detailed Schedule of Changes to the Permit

Title of Change: **SUNNYSIDE COGENERATION ASSOCIATES  
Addition of Crushing Facilities to the Permit Area**

Permit Number: **ACT/007/035**

Mine: **Sunnyside Cogen. Assoc.**

Permittee: **Sunnyside Cogen. Assoc.**

Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit change. Individually list all maps and drawings which are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages or other information as needed to specifically locate, identify and revise the exiting mining and reclamation plan. **Include page, section and drawing numbers as part of the description.**

			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-1 Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-1D Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-1E Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 4-5 Cogeneration Facility
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-1A Pasture Pond and Coal Pile Runoff Basin Drainage
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-3 Operational (UPDES) Water Monitoring Locations
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-6 Ditch and Culvert Locations
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-18 Coal Pile Runoff Sediment Pond and Cross Sections
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Chapter Four Text
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Table 5-1 Inspection Schedule
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Chapter Seven Text
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Appendix 7-3 Coal Runoff Sediment Pond Hydrologic Calculations
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Appendix 7-8 Operational (UPDES) and Baseline Water Monitoring Schedule
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Chapter Nine Text, Page 900-10
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	

Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

## APPLICATION FOR PERMIT CHANGE

Title of Change: <b>SUNNYSIDE COGENERATION ASSOCIATES</b> Addition of Crushing Facilities to Permit Area	Permit Number: <b>ACT/007/035</b>
	Mine: <b>Sunnyside Cogen. Assoc.</b>
	Permittee: <b>Sunnyside Cogen. Assoc.</b>

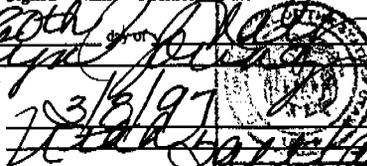
Description - include reason for change and timing required to implement: **Details to supplement the permit change submitted May 16, 1994. Upgrading and retrofitting of this area should be accomplished in June 1995. Any needed revisions to the drawings or text will be submitted by August 15, 1994.**

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	1. Change in the size of the Permit Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	2. Change in the size of the Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	3. Will permit change include operations outside the Cumulative Hydrologic Impact Area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	4. Will permit change include operations in hydrologic basins other than currently approved?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	5. Does permit change result from cancellation, reduction or increase of insurance or reclamation bond?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6. Does permit change require or include public notice publication?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7. Permit change as a result of a Violation? Violation # _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	8. Permit change as a result of a Division Order? D.O. # _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	9. Permit change as a result of other laws or regulations? Explain: _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	10. Does permit change require or include ownership, control, right-of-entry, or compliance information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	11. Does the permit change affect the surface landowner or change the post mining land use?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	12. Does permit change require or include collection and reporting of any baseline information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	13. Could the permit change have any effect on wildlife or vegetation outside the current disturbed area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	14. Does permit change require or include soil removal, storage or placement?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	15. Does permit change require or include vegetation monitoring, removal or revegetation activities?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	16. Does permit change require or include construction, modification, or removal of surface facilities?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	17. Does permit change require or include water monitoring, sediment or drainage control measures?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	18. Does permit change require or include certified designs, maps, or calculations?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	19. Does permit change require or include underground design or mine sequence and timing?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	20. Does permit change require or include subsidence control or monitoring?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	21. Have reclamation costs for bonding been provided or revised for any change in the reclamation plan?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	22. Is permit change within 100 feet of a public road or perennial stream or 500 feet of an occupied dwelling?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	23. Is this permit change coal exploration activity <input type="checkbox"/> inside <input type="checkbox"/> outside of the permit area? <b>N/A</b>

Attached **3** complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all aspects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

*Alane E. Boyd, P.E. 5/20/94*  
 Signed - Name - Position - Date

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_  
  
 Notary Public  
 My Commission Expires: **2/3/97**  
 Attest: STATE OF \_\_\_\_\_ COUNTY OF \_\_\_\_\_

Received by Oil, Gas & Mining

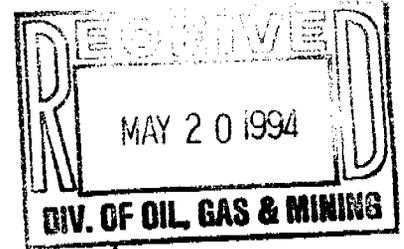
# RECEIVED

MAY 20 1994

ASSIGNED PERMIT CHANGE NUMBER

**SUNNYSIDE COGENERATION ASSOCIATES**

POST OFFICE BOX 58087  
SALT LAKE CITY, UTAH 84158-0087



May 20, 1994

Randy Harden  
Division of Oil, Gas and Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

RE: Sunnyside Cogeneration Associates (SCA) Permit No. ACT/007/035  
Project Number EC450593  
ADDITION OF CRUSHING FACILITIES TO PERMIT AREA

*file*  
*ACT/007/035 #2*  
*946*

Dear Randy:

Enclosed with this submittal is the additional information needed to increase the permit area to include the crushing facilities adjacent to the access road. The following documents have been revised or added for this submittal:

- Plate 4-5 Cogeneration Facility
- Plate 3-1, 3-1D, 3-1E, Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
- Plate 7-1A Pasture Pond and Coal Pile Runoff Basin Drainage
- Plate 7-3 Operational (UPDES) Water Monitoring Locations
- Plate 7-6 Ditch and Culvert Locations
- Plate 7-18 Coal Pile Runoff Sediment Pond and Cross Sections
- Text from Chapter Four, Chapter Seven, and Chapter Nine
- Appendix 7-3 Hydrologic Calculations for the Coal Pile Sediment Pond
- Appendix 7-8 Operational (UPDES) and Baseline Water Monitoring Schedule
- Table 5-1, Inspection Schedule

Savage is currently upgrading and retrofitting the crushing facility as well as the diversions and sediment pond. They should be completed during the month of June. SCA will revise any plates needed to more accurately show the finished conditions by August 15, 1994.

Sincerely,

*DRP for*  
David R Pearce  
Authorized Member, Management Committee

*Alane E. Boyd*  
Alane E Boyd, PE  
Senior Engineer  
Eckhoff, Watson and Preator Engineering

cc: Brian Burnett/Callister, Duncan and Nebeker

## Application for Permit Change Detailed Schedule of Changes to the Permit

Title of Change: **SUNNYSIDE COGENERATION ASSOCIATES**  
Addition of Crushing Facilities to the Permit Area

Permit Number: ACT/007/035

Mine: Sunnyside Cogen. Assoc.

Permittee: Sunnyside Cogen. Assoc.

Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit change. Individually list all maps and drawings which are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages or other information as needed to specifically locate, identify and revise the exiting mining and reclamation plan. **Include page, section and drawing numbers as part of the description.**

			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-1 Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-1D Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-1E Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 4-5 Cogeneration Facility
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-1A Pasture Pond and Coal Pile Runoff Basin Drainage
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-3 Operational (UPDES) Water Monitoring Locations
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-6 Ditch and Culvert Locations
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-18 Coal Pile Runoff Sediment Pond and Cross Sections
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Chapter Four Text
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Table 5-1 Inspection Schedule
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Chapter Seven Text
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Appendix 7-3 Coal Runoff Sediment Pond Hydrologic Calculations
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Appendix 7-8 Operational (UPDES) and Baseline Water Monitoring Schedule
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Chapter Nine Text, Page 900-10
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	

Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

# APPLICATION FOR PERMIT CHANGE

Title of Change: **SUNNYSIDE COGENERATION ASSOCIATES**  
**Addition of Crushing Facilities to Permit Area**

Permit Number: ACT/007/035

Mine: Sunnyside Cogen. Assoc.

Permittee: Sunnyside Cogen. Assoc.

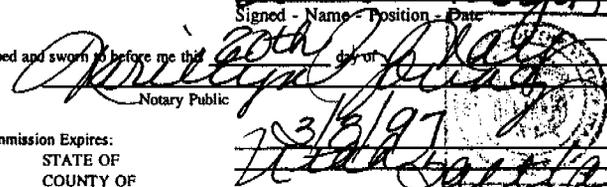
Description - include reason for change and timing required to implement: Details to supplement the permit change submitted May 16, 1994. Upgrading and retrofitting of this area should be accomplished in June 1995. Any needed revisions to the drawings or text will be submitted by August 15, 1994.

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 1. Change in the size of the Permit Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.                   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 2. Change in the size of the Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.                |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 3. Will permit change include operations outside the Cumulative Hydrologic Impact Area?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 4. Will permit change include operations in hydrologic basins other than currently approved?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 5. Does permit change result from cancellation, reduction or increase of insurance or reclamation bond?                                      |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 6. Does permit change require or include public notice publication?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 7. Permit change as a result of a Violation? Violation # _____   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 8. Permit change as a result of a Division Order? D.O. # _____   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 9. Permit change as a result of other laws or regulations? Explain: _____  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 10. Does permit change require or include ownership, control, right-of-entry, or compliance information?                                     |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 11. Does the permit change affect the surface landowner or change the post mining land use?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 12. Does permit change require or include collection and reporting of any baseline information?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 13. Could the permit change have any effect on wildlife or vegetation outside the current disturbed area?                                    |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 14. Does permit change require or include soil removal, storage or placement?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 15. Does permit change require or include vegetation monitoring, removal or revegetation activities?   |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 16. Does permit change require or include construction, modification, or removal of surface facilities?                                      |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 17. Does permit change require or include water monitoring, sediment or drainage control measures?   |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 18. Does permit change require or include certified designs, maps, or calculations?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 19. Does permit change require or include underground design or mine sequence and timing?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 20. Does permit change require or include subsidence control or monitoring?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 21. Have reclamation costs for bonding been provided or revised for any change in the reclamation plan?                                      |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 22. Is permit change within 100 feet of a public road or perennial stream or 500 feet of an occupied dwelling?                               |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 23. Is this permit change coal exploration activity <input type="checkbox"/> inside <input type="checkbox"/> outside of the permit area? N/A |

Attached **3** complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

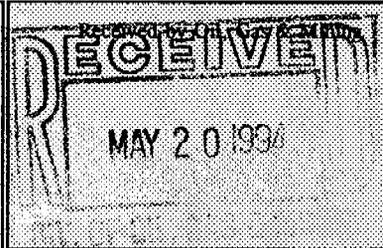
I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all aspects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

Alane E. Boyd, P.E. 5/20/94  
 Signed - Name - Position - Date

Subscribed and sworn to before me this 20th day of May, 1994  
  
 Notary Public

**NOTARY PUBLIC**  
**MELLYN YOUNG**  
 1121 E 3900 So. #C-100  
 Salt Lake City, Utah 84124  
 My Commission Expires  
 19 March 8, 1997  
**STATE OF UTAH**

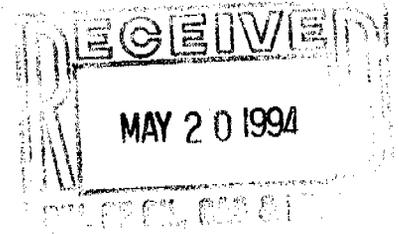
My Commission Expires:  
 Attest: STATE OF  
 COUNTY OF



ASSIGNED PERMIT CHANGE NUMBER

**SUNNYSIDE COGENERATION ASSOCIATES**

POST OFFICE BOX 58087  
SALT LAKE CITY, UTAH 84158-0087



May 20, 1994

Randy Harden  
Division of Oil, Gas and Mining  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

RE: Sunnyside Cogeneration Associates (SCA) Permit No. ACT/007/035  
Project Number EC450593  
ADDITION OF CRUSHING FACILITIES TO PERMIT AREA

*#2946*

Dear Randy:

Enclosed with this submittal is the additional information needed to increase the permit area to include the crushing facilities adjacent to the access road. The following documents have been revised or added for this submittal:

- Plate 4-5 Cogeneration Facility
- Plate 3-1, 3-1D, 3-1E, Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
- Plate 7-1A Pasture Pond and Coal Pile Runoff Basin Drainage
- Plate 7-3 Operational (UPDES) Water Monitoring Locations
- Plate 7-6 Ditch and Culvert Locations
- Plate 7-18 Coal Pile Runoff Sediment Pond and Cross Sections
- Text from Chapter Four, Chapter Seven, and Chapter Nine
- Appendix 7-3 Hydrologic Calculations for the Coal Pile Sediment Pond
- Appendix 7-8 Operational (UPDES) and Baseline Water Monitoring Schedule
- Table 5-1, Inspection Schedule

Savage is currently upgrading and retrofitting the crushing facility as well as the diversions and sediment pond. They should be completed during the month of June. SCA will revise any plates needed to more accurately show the finished conditions by August 15, 1994.

Sincerely,

*DRP for*

David R Pearce  
Authorized Member, Management Committee

*Alane E. Boyd*

Alane E Boyd, PE  
Senior Engineer  
Eckhoff, Watson and Preator Engineering

cc: Brian Burnett/Callister, Duncan and Nebeker

## Application for Permit Change Detailed Schedule of Changes to the Permit

Title of Change: **SUNNYSIDE COGENERATION ASSOCIATES**  
Addition of Crushing Facilities to the Permit Area

Permit Number: **ACT/007/035**

Mine: **Sunnyside Cogen. Assoc.**

Permittee: **Sunnyside Cogen. Assoc.**

Provide a detailed listing of all changes to the mining and reclamation plan which will be required as a result of this proposed permit change. Individually list all maps and drawings which are to be added, replaced, or removed from the plan. Include changes of the table of contents, section of the plan, pages or other information as needed to specifically locate, identify and revise the exiting mining and reclamation plan. Include page, section and drawing numbers as part of the description.

			DESCRIPTION OF MAP, TEXT, OR MATERIALS TO BE CHANGED
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-1 Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-1D Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 3-1E Pre-law, Post-law, & Future (Anticipated) Disturbed Areas
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 4-5 Cogeneration Facility
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-1A Pasture Pond and Coal Pile Runoff Basin Drainage
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-3 Operational (UPDES) Water Monitoring Locations
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-6 Ditch and Culvert Locations
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Plate 7-18 Coal Pile Runoff Sediment Pond and Cross Sections
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Chapter Four Text
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Table 5-1 Inspection Schedule
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Chapter Seven Text
<input checked="" type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Appendix 7-3 Coal Runoff Sediment Pond Hydrologic Calculations
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Appendix 7-8 Operational (UPDES) and Baseline Water Monitoring Schedule
<input type="checkbox"/> ADD	<input checked="" type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	Chapter Nine Text, Page 900-10
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	
<input type="checkbox"/> ADD	<input type="checkbox"/> REPLACE	<input type="checkbox"/> REMOVE	

Any other specific or special instructions required for insertion of this proposal into the Mining and Reclamation Plan?

## APPLICATION FOR PERMIT CHANGE

Title of Change: <b>SUNNYSIDE COGENERATION ASSOCIATES</b> Addition of Crushing Facilities to Permit Area	Permit Number: <b>ACT/007/035</b>
	Mine: <b>Sunnyside Cogen. Assoc.</b>
	Permittee: <b>Sunnyside Cogen. Assoc.</b>

Description - include reason for change and timing required to implement: Details to supplement the permit change submitted May 16, 1994. Upgrading and retrofitting of this area should be accomplished in June 1995. Any needed revisions to the drawings or text will be submitted by August 15, 1994.

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	1. Change in the size of the Permit Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	2. Change in the size of the Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	3. Will permit change include operations outside the Cumulative Hydrologic Impact Area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	4. Will permit change include operations in hydrologic basins other than currently approved?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	5. Does permit change result from cancellation, reduction or increase of insurance or reclamation bond?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6. Does permit change require or include public notice publication?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	7. Permit change as a result of a Violation? Violation # _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	8. Permit change as a result of a Division Order? D.O. # _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	9. Permit change as a result of other laws or regulations? Explain: _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	10. Does permit change require or include ownership, control, right-of-entry, or compliance information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	11. Does the permit change affect the surface landowner or change the post mining land use?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	12. Does permit change require or include collection and reporting of any baseline information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	13. Could the permit change have any effect on wildlife or vegetation outside the current disturbed area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	14. Does permit change require or include soil removal, storage or placement?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	15. Does permit change require or include vegetation monitoring, removal or revegetation activities?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	16. Does permit change require or include construction, modification, or removal of surface facilities?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	17. Does permit change require or include water monitoring, sediment or drainage control measures?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	18. Does permit change require or include certified designs, maps, or calculations?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	19. Does permit change require or include underground design or mine sequence and timing?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	20. Does permit change require or include subsidence control or monitoring?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	21. Have reclamation costs for bonding been provided or revised for any change in the reclamation plan?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	22. Is permit change within 100 feet of a public road or perennial stream or 500 feet of an occupied dwelling?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	23. Is this permit change coal exploration activity <input type="checkbox"/> inside <input type="checkbox"/> outside of the permit area? N/A

Attached **3** complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all aspects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

*Alane E. Boyd, P.E.* 5/20/94  
 Signed - Name - Position - Date

Subscribed and sworn to before me this 20th day of May, 1994.

*[Signature]*  
 Notary Public

**NOTARY PUBLIC**  
**MABELYN YOUNG**  
 1121 E. 3900 So. #C-100  
 Salt Lake City, Utah 84124  
 My Commission Expires  
 19 March 8, 1997  
**STATE OF UTAH**

My Commission Expires: \_\_\_\_\_  
 Attest: STATE OF \_\_\_\_\_  
 COUNTY OF \_\_\_\_\_

Received by Oil, Gas & Mining

RECEIVED

MAY 20 1994

---

ASSIGNED PERMIT CHANGE NUMBER