

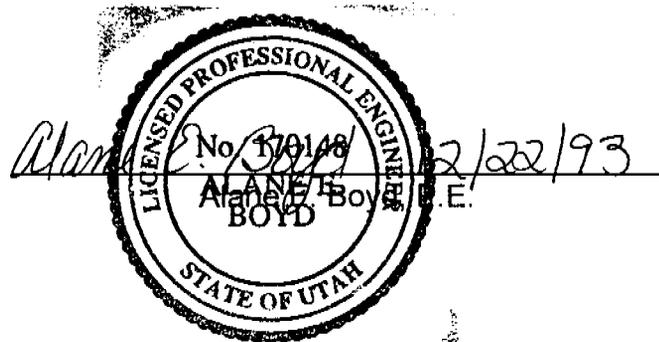
Appendix D
Certified Maintenance Inspection Reports for
Impoundments

CERTIFICATION REPORT

On December 22, 1993, an inspection of the **West Slurry Cell**, MSHA No. 1211-UT-09-01813-01, revealed the following:

- A. The pond has been constructed and maintained in accordance with the approved plan.
- B. The pond's dam appeared sound with no signs of instability or hazardous conditions.
- C. The water depth was 0 feet (dry).
- D. The existing storage capacity is 223 acre-feet which is greater than the 33.9 acre-feet required by the approved plan.
- E. Ponds are inspected weekly for structural problems. DOGM requirements are followed during sampling, analysis, and reporting.

Based on this field inspection, the **West Slurry Cell** has been certified as required by R645-301-514.310 through R645-514.330.

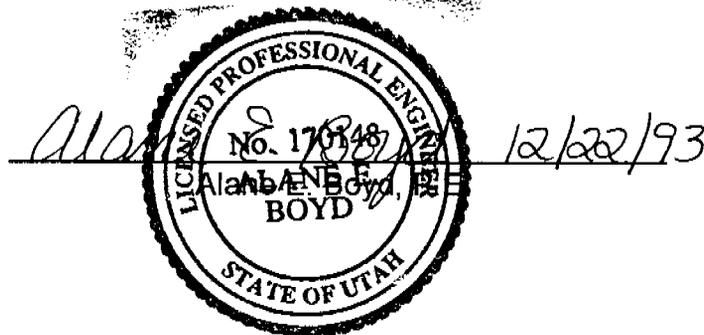


CERTIFICATION REPORT

On December 22, 1993, an inspection of the **East Slurry Cell**, MSHA No. **1211-UT-09-01813-01**, revealed the following:

- A. The pond has been constructed and maintained in accordance with the approved plan.
- B. The pond's dam appeared sound with no signs of instability or hazardous conditions.
- C. The water depth was 0 feet (dry).
- D. The existing storage capacity is 27 acre-feet which is greater than the 3.5 acre-feet required by the approved plan.
- E. Ponds are inspected weekly for structural problems. DOGM requirements are followed during sampling, analysis, and reporting.

Based on this field inspection, the **East Slurry Cell** has been certified as required by R645-301-514.310 through R645-514.330.

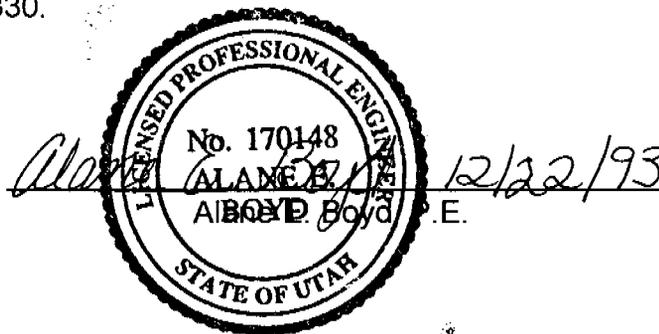


CERTIFICATION REPORT

On December 22, 1993, an inspection of the **Slurry Cell #1** revealed the following:

- A. The pond has been constructed and maintained in accordance with the approved plan.
- B. The pond's dam appeared sound with no signs of instability or hazardous conditions.
- C. The slurry elevation was 6537.5 feet. The slurry depth was 7.5 feet.
- D. The existing storage capacity is 4.0 acre-feet which is greater than the 2.2 acre-feet required by the approved plan.
- E. Ponds are inspected quarterly for structural problems. Discharge flows directly to Clear Water Pond (U.P.D.E.S #004). Bi-monthly sampling of discharge from Clear Water Pond (U.P.D.E.S. #004) is performed with analysis results submitted monthly. U.P.D.E.S. and DOGM requirements are followed during sampling, analysis, and reporting.

Based on this field inspection, the **Slurry Cell #1** has been certified as required by R645-301-514.310 through R645-514.330.

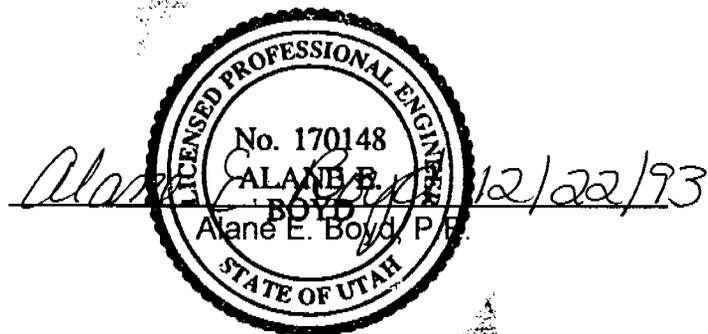


CERTIFICATION REPORT

On December 22, 1993, an inspection of the **Slurry Cell #2** revealed the following:

- A. The pond has been constructed and maintained in accordance with the approved plan.
- B. The pond's dam appeared sound with no signs of instability or hazardous conditions.
- C. The water/slurry elevation was 6530.0 feet. The water/slurry depth was 0 feet.
- D. The existing storage capacity is 15.3 acre-feet which is greater than the 2.2 acre-feet required by the approved plan.
- E. Ponds are inspected quarterly for structural problems. Discharge flows directly to Clear Water Pond (U.P.D.E.S. #004). Bi-monthly sampling of discharge from Clear Water Pond (U.P.D.E.S. #004) is performed with analysis results submitted monthly. U.P.D.E.S. and DOGM requirements are followed during sampling, analysis, and reporting.

Based on this field inspection, the **Slurry Cell #2** has been certified as required by R645-301-514.310 through R645-514.330.



CERTIFICATION REPORT

On December 22, 1993, an inspection of the **Clear Water Pond (U.P.D.E.S. #004)** sedimentation pond revealed the following:

- A. The pond has been constructed and maintained in accordance with the approved plan.
- B. The pond's dam appeared sound with no signs of instability or hazardous conditions.
- C. The sediment elevation was 6527 feet. The water depth was 0 feet.
- D. The existing storage capacity is 4.86 acre-feet which is greater than the 2.2 acre-feet required by the approved plan.
- E. Ponds are inspected quarterly for structural problems. Bi-monthly sampling of discharge is performed with analysis results submitted monthly. U.P.D.E.S. and DOGM requirements are followed during sampling, analysis, and reporting.

Based on this field inspection, **Clear Water Pond (U.P.D.E.S. #004)** has been certified as required by R645-301-514.310 through R645-514.330.

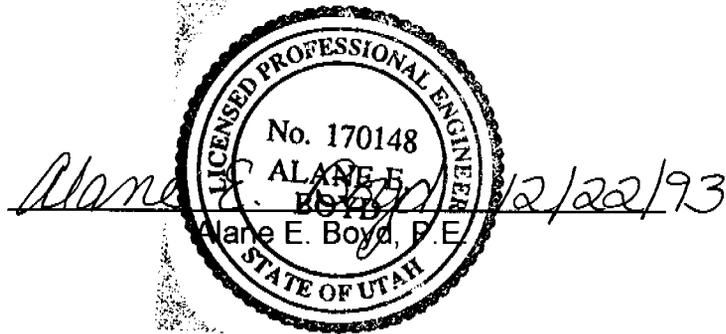
Alane B. Boyd
ALANE B. BOYD
No. 170148
ALANE B. BOYD
ALANE B. BOYD P.E.
12/22/93
LICENSED PROFESSIONAL ENGINEER
STATE OF UTAH

CERTIFICATION REPORT

On December 22, 1993, an inspection of the **Railcut Sediment Pond (U.P.D.E.S. #007)** sedimentation pond revealed the following:

- A. The pond has been constructed and maintained in accordance with the approved plan.
- B. The pond's dam appeared sound with no signs of instability or hazardous conditions.
- C. The water depth was 0 feet (dry).
- D. The existing storage capacity is 4.8 acre-feet which is greater than the 1.8 acre-feet required by the approved plan.
- E. Ponds are inspected quarterly for structural problems. Bi-monthly sampling of discharge is performed with analysis results submitted monthly. U.P.D.E.S. and DOGM requirements are followed during sampling, analysis, and reporting.

Based on this field inspection, **Railcut Sediment Pond (U.P.D.E.S. #007)** has been certified as required by R645-301-514.310 through R645-514.330.

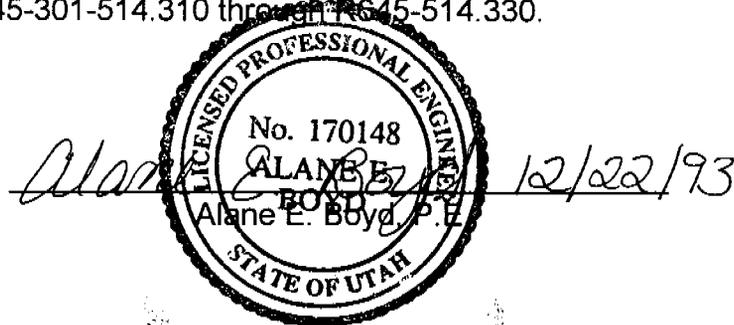


CERTIFICATION REPORT

On December 22, 1993, an inspection of the **Old Coarse Refuse Road Pond (U.P.D.E.S. #008)** sedimentation pond revealed the following:

- A. The pond has been constructed and maintained in accordance with the approved plan.
- B. The pond's dam appeared sound with no signs of instability or hazardous conditions.
- C. The water depth was 0 feet (dry).
- D. The existing storage capacity is 0.84 acre-feet which is greater than the 0.51 acre-feet required by the approved plan.
- E. Ponds are inspected quarterly for structural problems. Bi-monthly sampling of discharge is performed with analysis results submitted monthly. U.P.D.E.S. and DOGM requirements are followed during sampling, analysis, and reporting.

Based on this field inspection, **Old Coarse Refuse Road Pond (U.P.D.E.S. #008)** has been certified as required by R645-301-514.310 through R645-514.330.

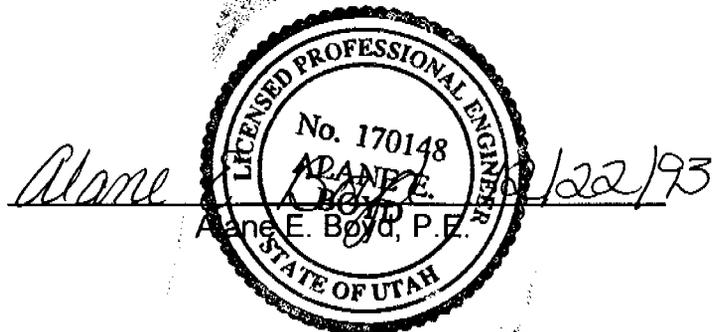


CERTIFICATION REPORT

On December 22, 1993, an inspection of the **Pasture Pond (U.P.D.E.S. #009)** sedimentation pond revealed the following:

- A. The pond has been constructed and maintained in accordance with the approved plan.
- B. The pond's dam appeared sound with no signs of instability or hazardous conditions.
- C. The water/slurry depth was 0 feet (dry).
- D. The existing storage capacity is 0.98 acre-feet which is greater than the 0.55 acre-feet required by the approved plan.
- E. Ponds are inspected quarterly for structural problems. Bi-monthly sampling of discharge is performed with analysis results submitted monthly. U.P.D.E.S. and DOGM requirements are followed during sampling, analysis, and reporting.

Based on this field inspection, **Pasture Pond (U.P.D.E.S. #009)** has been certified as required by R645-301-514.310 through R645-514.330.

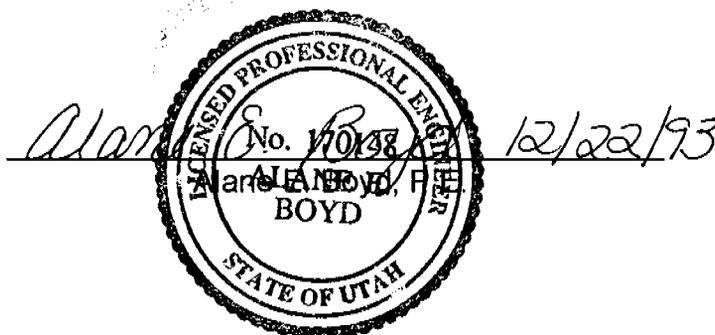


CERTIFICATION REPORT

On December 22, 1993, an inspection of the **Coarse Refuse Toe Pond (U.P.D.E.S. #012)** sedimentation pond revealed the following:

- A. The pond has been constructed and maintained in accordance with the approved plan.
- B. The pond's dam appeared sound with no signs of instability or hazardous conditions.
- C. The water depth was 0 feet (dry).
- D. The existing storage capacity is 1.63 acre-feet which is greater than the 0.4 acre-feet required by the approved plan.
- E. Ponds are inspected quarterly for structural problems. Bi-monthly sampling of discharge is performed with analysis results submitted monthly. U.P.D.E.S. and DOGM requirements are followed during sampling, analysis, and reporting.

Based on this field inspection, **Coarse Refuse Toe Pond (U.P.D.E.S. #012)** has been certified as required by R645-301-514.310 through R645-514.330.



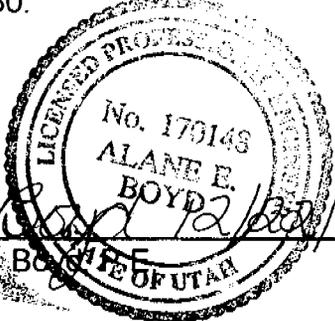
CERTIFICATION REPORT

On December 22, 1993, an inspection of the **Borrow Area Pond (U.P.D.E.S. #016)** sedimentation pond revealed the following:

- A. The pond has been constructed and maintained in accordance with the approved plan.
- B. The pond's dam appeared sound with no signs of instability or hazardous conditions.
- C. The water depth was 0 feet (dry).
- D. The existing storage capacity is 8.3 acre-feet which is greater than the 2.05 acre-feet required by the approved plan.
- E. Ponds are inspected quarterly for structural problems. Bi-monthly sampling of discharge is performed with analysis results submitted monthly. U.P.D.E.S. and DOGM requirements are followed during sampling, analysis, and reporting.

Based on this field inspection, **Borrow Area Pond (U.P.D.E.S. #016)** has been certified as required by R645-301-514.310 through R645-514.330.

Alane E. Boyd
Alane E. Boyd
12/22/93



The seal is circular with a double-line border. The outer ring contains the text "LICENSED PROFESSIONAL ENGINEER" at the top and "STATE OF UTAH" at the bottom. The inner circle contains the text "No. 176148", "ALANE E. BOYD", and "12/22/93".

Appendix E
Testing Results of Coarse Refuse Material
October through December, 1993

DREWTRAX v. 4.0
 Test Results Log Sheet Report
 System ID: DAILY FUEL OCT

Date Range: October 7, 1993 through October 31, 1993

Date	Shift	M	A	S	HV	HVF
10/07/93		4.87	49.50			
10/12/93		6.59	54.59			
10/13/93		5.82	54.27		5051.00	
10/14/93		6.14	53.42	0.95	5393.00	13516.00
10/15/93		7.25	50.48		5151.00	
10/18/93		7.60	51.25	1.02	5295.00	
10/19/93		6.75	53.67	1.05	5601.00	13612.00
10/20/93		8.79	49.39	1.00	5399.00	13643.00
10/21/93		7.19	51.44	1.08	5758.00	13767.00
10/25/93		7.32	47.61	1.08	5722.00	13828.00
10/27/93		8.43	49.93	0.92	6219.00	13798.00
10/30/93		8.44	51.31	0.90	5797.00	13923.00
10/31/93		8.93	49.33	0.90	5666.00	14077.00
				0.89	5734.00	13734.00

DREWTRAX v. 4.0
 Test Results Log Sheet Report
 System ID: DAILY FUEL NOV

Date Range: November 1, 1993 through November 30, 1993

<u>Date</u>	<u>Shift</u>	<u>M</u>	<u>A</u>	<u>S</u>	<u>HV</u>	<u>HVF</u>
11/01/93	01	6.96	52.48		5080.00	
11/02/93	01	7.84	49.84		5404.00	
11/03/93	01	7.24	48.72		5887.00	
11/04/93	01	7.24	51.30	0.00	5340.00	
11/05/93	01	4.76	56.49		4864.00	
11/06/93	01	8.49	46.77		6282.00	
11/07/93	01	8.45	42.81		6423.00	
11/08/93	01	8.14	47.53		6081.00	
11/09/93	01	0.83	55.33	0.92	6049.00	13797.00
11/10/93	01	1.01	51.71	0.95	6521.00	13813.00
11/11/93	01	7.36	45.28	0.77	6689.00	14124.00
11/12/93	01	6.13	50.27	0.92	5935.00	13162.00
11/13/93	01	7.84	46.63	0.90	6260.00	13750.00
11/14/93	01	7.99	47.54	0.94	6170.00	13875.00
11/15/93	01	8.39	46.24	0.92	6314.00	13917.00
11/16/93	01	9.88	42.00	0.82	6866.00	14270.00
11/17/93	01	7.33	46.20	0.97	6521.00	14035.00
11/18/93	01	7.47	46.18	0.96	6495.00	14013.00
11/19/93	01	8.08	44.23	0.86	6723.00	14097.00
11/20/93	01	7.60	50.78	0.91	5742.00	13794.00
11/22/93	01	7.21	52.23	0.94	5544.00	13669.00
11/23/93	01	9.00	45.14	1.04	6385.00	13925.00
11/24/93	01	7.89	48.32	0.84	6088.00	13904.00
11/25/93	01	10.24	44.47	0.90	6407.00	14150.00
11/26/93	01	8.28	48.57	0.88	6123.00	14193.00
11/27/93	01	8.29	50.35	0.95	5863.00	14175.00
11/28/93	01	8.39	50.79	0.94	5621.00	13770.00
11/29/93	01	9.58	48.36	0.87	5878.00	13979.00
11/30/93	01	8.11	49.87	0.95	5773.00	13737.00

DREWTRAX v. 4.0
 Test Results Log Sheet Report
 System ID: DAILY FUEL DEC

Date Range: December 4, 1993 through December 21, 1993

Date	Shift	M	A	S	HV	HVF
12/04/93	01	7.74	49.45	0.95	5554.00	13128.00
12/05/93	01	7.34	52.16	1.01	5283.00	13043.00
12/06/93	01	8.97	49.59	0.87	5727.00	13821.00
12/07/93	01	8.34	50.89	0.95	5678.00	13927.00
12/08/93	01	7.12	51.60	0.89	5758.00	13960.00
12/09/93	01	8.34	49.15	0.88	5824.00	13701.00
12/10/93	01	8.38	49.67	0.91	5888.00	14034.00
12/11/93	01	7.40	48.83	0.96	6070.00	13866.00
12/12/93	01	8.32	49.56	0.91	5819.00	13886.00
12/13/93	01	9.59	45.60	0.91	6244.00	13932.00
12/14/93	01	9.15	46.02	0.90	6260.00	13963.00
12/15/93	01	10.95	44.20	0.90	6328.00	13995.00
12/16/93	01	9.79	48.13	0.89	5839.00	13921.00
12/17/93	01	7.25	48.73	0.89	6148.00	13967.00
12/18/93	01	7.21	49.01	0.92	6168.00	14097.00
12/19/93	01	8.47	48.42	0.90	6031.00	13990.00
12/20/93	01	7.80	47.45	0.81	6252.00	13974.00
12/21/93	01	5.87	51.41	0.90	5923.00	13866.00

MOISTURE

ASH

SULPHUR

*

HEATING VALUE

MOISTURE ASH
 HEATING VALUE

Appendix F
Annual Report of Officers (Department of Commerce)

**STATE OF UTAH
DEPARTMENT OF COMMERCE
DIVISION OF CORPORATIONS AND COMMERCIAL CODE**



PROFIT CORPORATION ANNUAL REPORT

The following information is on file in this office. All profit corporations must file their annual reports and corrections within the month of their anniversary date. Failure to do so will result in dissolution of the corporate charter.

THIS BOX MUST BE COMPLETED

<p>CORPORATE NAME, REGISTERED AGENT, REGISTERED OFFICE, CITY, STATE & ZIP CORPORATION # <u>120447</u> F <u>04/29/86</u> 1. KAISER POWER OF SUNNYSIDE, INC. 2. C T CORPORATION SYSTEM 3. 8TH FLOOR 50 W. BROADWAY 4. SALT LAKE CITY UT 84101</p>	<p>MAKE ALL CORRECTIONS IN THIS COLUMN</p> <p>(Print New Agent Name) _____ (Signature) _____</p> <p>New Registered Street Address Required _____</p> <p>New City _____ REGISTERED AGENT MUST BE IN UTAH _____ (Zip) _____</p>
---	--

5. INCORPORATED IN THE STATE AND UNDER THE LAWS OF DELAWARE

6. ADDRESS OF THE PRINCIPAL OFFICE IN THE HOME STATE.

Street Address _____ State or Country _____
City _____ Zip _____

7. BUSINESS PURPOSE: DEPT. OF COMMERCE MISCELLANEOUS

<p>OFFICERS (DOMESTIC PROFIT CORPORATIONS ARE REQUIRED TO LIST A CORPORATE OFFICER)</p> <p>8. PRESIDENT <u>JOSEPH E. CRESCI</u> ADDRESS <u>3389 BARROWS ROAD</u> CITY, STATE & ZIP <u>STOWE, VT. 05872</u></p> <p>9. VICE PRESIDENT <u>DONALD A. LIVINGSTON</u> ADDRESS <u>BOX 753 MAIN STREET</u> CITY, STATE & ZIP <u>MANCHESTER VILLAGE, VT 05234</u></p> <p>10. SECRETARY <u>BAYARD R. KRAFT, III</u> ADDRESS <u>R.R. 1, BOX 148</u> CITY, STATE & ZIP <u>DORSET, VT. 05251</u></p> <p>11. TREASURER <u>BAYARD R. KRAFT, III</u> ADDRESS <u>R.R. 1, BOX 149</u> CITY, STATE & ZIP <u>DORSET, VT. 05251</u></p>	<p>8. <u>83 Duck's Head P.O. Box 452</u> <u>New Castle, NH 03854</u></p> <p>9. <u>33 Market Street</u> <u>Portsmouth, NH 03801</u></p> <p>10. _____</p> <p>11. _____</p>
---	--

<p>DIRECTORS</p> <p>12. DIRECTOR <u>JOSEPH E. CRESCI</u> ADDRESS <u>3389 BARROWS ROAD</u> CITY, STATE & ZIP <u>STOWE, VT. 05872</u></p> <p>13. DIRECTOR ADDRESS _____ CITY, STATE & ZIP _____</p> <p>14. DIRECTOR ADDRESS _____ CITY, STATE & ZIP _____</p>	<p>(If you have less than 3 shareholders you may list less than 3 directors.)</p> <p>12. <u>83 Duck's Head P.O. Box 452</u> <u>New Castle, NH 03854</u></p> <p>13. _____</p> <p>14. _____</p>
--	---

Under penalties of perjury and as an authorized officer, I declare that this annual report and, if applicable, the statement change of registered office and/or agent, has been examined by me and is, to the best of my knowledge and belief, true, correct, and complete.

15. BY [Signature]
(Signature of Authorized Corporate Officer)

16. Treasurer
(Title or Position)

17. March 14 19 94
(Date)

IF THERE ARE NO CHANGES FROM THE PREVIOUS YEAR, PLEASE DETACH THE COUPON BELOW AND RETURN IT IN THE ENCLOSED ENVELOPE WITH YOUR PAYMENT. YOU MAY KEEP THE ABOVE REPORT FOR YOUR RECORDS

**STATE OF UTAH
DEPARTMENT OF COMMERCE
DIVISION OF CORPORATIONS AND COMMERCIAL CODE**



PROFIT CORPORATION ANNUAL REPORT

The following information is on file in this office. All profit corporations must file their annual reports and corrections within the month of their anniversary date. Failure to do so will result in dissolution of the corporate charter.

THIS BOX MUST BE COMPLETED

CORPORATE NAME, REGISTERED AGENT, REGISTERED OFFICE, CITY, STATE & ZIP
CORPORATION # 120455
F 04/25/88
KAISER SYSTEMS, INC.
C T CORPORATION SYSTEM
8TH FLOOR 50 W. BROADWAY
SALT LAKE CITY UT 84101

MAKE ALL CORRECTIONS IN THIS COLUMN

Print New Agent Name: _____ Signature: _____

New Registered Street Address (optional): _____

New City: _____ REGISTERED AGENT MUST BE IN UTAH _____ (State)

5. INCORPORATED IN THE STATE AND UNDER THE LAWS OF: DELAWARE

6. ADDRESS OF THE PRINCIPAL OFFICE IN THE HOME STATE.

Street Address: _____ State or Country: _____

City: _____ ZIP: _____

7. BUSINESS PURPOSE: DEPT. OF COMMERCE MISCELLANEOUS

OFFICERS (DOMESTIC PROFIT CORPORATIONS ARE REQUIRED TO LIST A CORPORATE OFFICER)

8. PRESIDENT JOSEPH E. CRESCI
 ADDRESS 3368 BARROWS RD.
 CITY, STATE & ZIP STOWE, VT. 05872

9. VICE PRESIDENT DONALD A. LIVINGSTON
 ADDRESS BOX 753
 CITY, STATE & ZIP MANCHESTER VILLAGE, VT 05254

SECRETARY BAYARD R. KRAFT, III
 ADDRESS R.R. 1, BOX 148
 CITY, STATE & ZIP DORSET, VT. 05251

11. TREASURER BAYARD R KRAFT III
 ADDRESS R R 1 BOX 148
 CITY, STATE & ZIP DORSET VT 05251

8. 83 Duck's Head P.O. Box 452
New Castle, NH 03854

9. 33 Market Street
Portsmouth, NH 03801

DIRECTORS

12. DIRECTOR JOSEPH E. CRESCI
 ADDRESS 3368 BARROWS RD.
 CITY, STATE & ZIP STOWE, VT. 05872

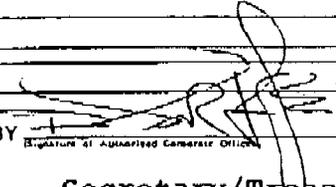
13. DIRECTOR
 ADDRESS _____
 CITY, STATE & ZIP _____

14. DIRECTOR
 ADDRESS _____
 CITY, STATE & ZIP _____

(If you have less than 3 shareholders you may list less than 3 directors.)

12. 83 Duck's Head P.O. Box 452
New Castle, NH 03854

Under penalties of perjury and as an authorized officer, I declare that this annual report and, if applicable, the statement change of registered office and/or agent, has been examined by me and is, to the best of my knowledge and belief, true, correct, and complete.

15. BY  _____
(Signature of Authorized Corporate Officer)

16. Secretary/Treasurer
Title or Position

17. March 17 19 94
Date

IF THERE ARE NO CHANGES FROM THE PREVIOUS YEAR, PLEASE DETACH THE COUPON BELOW AND RETURN IT IN THE ENCLOSED ENVELOPE WITH YOUR PAYMENT. YOU MAY KEEP THE ABOVE REPORT FOR YOUR RECORDS

Appendix G
Division of Air Quality
Modified Approval Order for Cogeneration Plant,
Sunnyside Mine



DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF AIR QUALITY

Michael O. Leavitt
Governor
Dianne R. Nielson, Ph.D.
Executive Director
Russell A. Roberts
Director

150 North 1950 West
Salt Lake City, Utah 84114
(801) 536-4000
(801) 536-4099 Fax
(801) 536-4414 T.D.D.

Reply to: State of Utah
Division of Air Quality
P.O. Box 144820
Salt Lake City, Utah 84114-4820

DAQE-0077-94

February 7, 1994

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

Re: Modified Approval Order For Cogeneration Plant, Sunnyside Mine
Carbon County - CDS A1 ATT PSD NSPS Title V Major

Dear Mr. Pearce:

The attached document is an Approval Order for the above referenced project.

Please direct any technical questions you may have on this project to Mr. Doug Jones. He may be reached at (801) 536-4061.

Sincerely,

Russell A. Roberts, Executive Secretary
Utah Air Quality Board

RAR:DJ:dn

cc: EPA Region VIII, Mike Owens
Southeastern Utah District Health Department



STATE OF UTAH

Department of Environmental Quality

Division of Air Quality

MODIFIED APPROVAL ORDER FOR COGENERATION PLANT, SUNNYSIDE MINE

Doug Jones, Engineer

**APPROVAL ORDER NUMBER
DAQE-0077-94**

Date: February 7, 1994

Source

SUNNYSIDE COGENERATION ASSOCIATES

**Russell A. Roberts
Executive Secretary
Utah Air Quality Board**

The above-referenced project has been evaluated and found to be consistent with the requirements of the Utah Air Conservation Rules (UACR) and the Utah Air Conservation Act. The Division of Air Quality determined that a public comment period was not required for this project. This air quality AO authorizes the project with the following conditions, and failure to comply with any of the conditions may constitute a violation of this order.

General Conditions

1. Sunnyside Cogeneration Associates, with a corporate address of P.O. Box 58087, Salt Lake City, Utah, 84158-0087, and power generating facilities at Sunnyside, Carbon County, shall construct and operate the cogeneration facility consisting of one fluidized bed combustion unit fired on waste coal according to the information submitted in the Notice of Intent dated December 20, 1985, and additional information received June 22, 1987; April 24, 1990; September 4, 1990; January 17, 1991; February 8, 1991; and August 30, 1993.
2. This AO shall replace and void the AOs dated June 22, 1988; August 16, 1990; December 28, 1990; February 8, 1991; and March 8, 1991.
3. A copy of this AO shall be posted on site, and shall be available to the employees who operate the air emission producing and emissions control equipment. All employees who operate the air emission producing equipment and emissions control equipment shall receive instruction as to their responsibilities in operating the equipment in compliance with the appropriate and relevant conditions of this order.
4. The approved installations shall consist of the following air emissions producing equipment and auxiliary equipment located at the site:
 - A. Coal tailings, handling, and storage
 - B. Limestone and ash handling and storage
 - C. One boiler (fluidized bed with baghouse)
 - D. Pollution control equipment and monitoring equipment
 - E. Instrumentation monitoring and control
 - F. Other associated equipment
5. Visible emissions from the following emission points shall not exceed the following values:
 - A. Fluidized bed boiler stack - 10% opacity at all times, except for one six-minute period per 60-minute period, during which the opacity shall not exceed 27%
 - B. Fuel receiving hoppers - 10% opacity

- C. Conveying operations - 10% opacity
 - D. Conveyor transfer points (evacuated to a baghouse) - 7% opacity
 - E. Bulk storage of coal - 10% opacity
 - F. Crushing (evacuated to a baghouse) - 7% opacity
 - G. All baghouses (except for the main boiler stack) - 7% opacity
 - H. Limestone receiving - 10% opacity
 - I. Limestone bulk storage - 7% opacity
 - J. Diesel engine exhaust - 20% opacity
 - K. All other points - 10% opacity
6. Opacity observations of emissions from stationary sources shall be conducted in accordance with 40 CFR 60, Appendix A, Method 9. Opacity observations of intermittent sources shall use procedures similar to Method 9, but the requirement for observations to be made at 15-second intervals over a six-minute period shall not apply.
7. All unpaved roads and other unpaved operational areas which are used by mobile equipment shall be water sprayed and/or chemically treated to reduce fugitive dust. Control is required at all times (24 hours per day every day) for the duration of the project/operation. The application rate of water shall be a minimum of 0.25 gallons per square yard. Application shall be made at least once every two hours during all times the installation is in use unless daily rainfall exceeds .10 of an inch or unless the road is in a muddy/damp/moist condition or unless it is below freezing. If chemical treatment is to be used, the plan must be approved by the Executive Secretary. Records of water treatment shall be kept for all periods when the plant is in operation. The records shall include the following items:
- A. Date
 - B. Number of treatments made, dilution ratio, and quantity
 - C. Rainfall received, if any, and approximate amount
 - D. Time of day treatments were made
- Records of treatment shall be made available to the Executive Secretary upon request and shall include a period of two years ending with the date of the request.
8. The sulfur content of any fuel oil burned shall not exceed 0.85 pounds of sulfur per million BTU heat input as determined by ASTM Method D-4239-83. The sulfur content shall be tested if directed by the Executive Secretary.
9. In addition to the requirements of this AO, all provisions of 40 CFR 60 NSPS Subparts A and Db apply to this source.

10. The emission rates/concentrations from the main boiler stack shall not exceed any of the following values:
- A. 0.025 lb particulate per 10⁶ BTU heat input
 - B. 0.42 lb SO₂ per 10⁶ BTU heat input
 - C. 0.25 lb NO_x per 10⁶ BTU heat input
 - D. 0.085 lb CO per 10⁶ BTU heat input
11. Stack testing to show compliance with the emission limitations of condition #10 shall be performed as specified below:

<u>Emission Point</u>	<u>Pollutant</u>	<u>Testing Status</u>	<u>Test Frequency</u>
Boiler stack	PM ₁₀	*	Every 5 yrs
	SO ₂	**	Continuous
	NO _x	***	Continuous
	CO	****	annually

Testing Status (To be applied above)

- * Initial compliance testing is required. The initial test date shall be within 180 days after the start-up or in accordance with 40 CFR 60.8 and 60.46b, whichever date comes first.
- ** SO₂ emissions compliance shall be demonstrated in accordance with 40 CFR 60.8(b), 8(f) and 60.45b.
- *** NO_x emissions compliance shall be demonstrated in accordance with 40 CFR 60.8 and 60.46b.
- **** Initial compliance testing is required. The initial test date shall be within 180 days after the start-up or in accordance with 40 CFR 60.8, whichever date comes first.

12. The test methods used shall be as follows:
- A. Particulate - Appropriate methods as described in 40 CFR 60.46b
 - B. SO₂ - Appropriate method as described in 40 CFR 60, Appendix A, Method 6, 6a, 6b, or 6c at the option of the owner
 - C. NO_x - Appropriate method as described in 40 CFR 60.46b

- D. CO - Appropriate method as described in 40 CFR 60, Appendix A, Method 10 or 10b

The owner/operator shall comply with 40 CFR 60.46b(b) when conducting compliance testing for particulate, 60.46b(c) and (e) for nitrogen oxides, 60.45b(b) and (c) for sulfur oxides and Condition 12.D for CO.

Notification of the test date shall be provided at least 30 days prior to the test. A pretest conference shall be held. It shall be held at least 30 days prior to the test between the owner/operator, the tester, and the Executive Secretary. The emission points shall be designed to conform to the requirements of 40 CFR 60, Appendix A, Method 1, and Occupational Safety and Health Administration (OSHA) approvable access shall be provided to the test locations.

To determine mass emission rates (lbs/hr, etc.), the pollutant concentration as determined by the appropriate methods above, shall be multiplied by the volumetric flow rate and any necessary conversion factors determined by the Executive Secretary to give the results in the specified units of the emission limitation.

The production rate during all compliance testing shall be no less 52 megawatts or 90% of the production rate at which the facility will be operated. For an existing source/emission point, the production rate during all compliance testing shall be no less than 90% of the maximum production achieved in the previous three years.

13. Total production of electricity shall not exceed 506,700 megawatt-hours per 12-month period (approximately a 58 gross MW plant). Compliance with the annual limitation shall be determined on a rolling 12-month total. Based on the first day of each month, a new 12-month total shall be calculated using the production of the previous 12 months. Records of electricity production shall be kept for all periods when the plant is in operation. Records of electricity production shall be made available to the Executive Secretary or his representative upon request and shall include a period of two years ending with the date of the request. Compliance with the limitation shall be determined by examination of power sales records and electrical meter records. Both shall be kept on a daily basis.
14. For sources which are subject to NSPS, visible emission observations which are performed during the initial compliance inspection shall consist of 30 observations of six minutes each in accordance with 40 CFR 60, Appendix A, Method 9. It is the responsibility of the owner/operator of the sources to supply these observations to the Executive Secretary. The only emission point at this source which is subject to NSPS is the main boiler stack.
15. The owner/operator shall install, calibrate, maintain, and operate a continuous monitoring system for measuring the opacity of emissions discharged to the atmosphere from the main boiler stack and record the output of the system. The monitoring system shall be used for measuring and determining compliance. The continuous monitoring system shall comply with all applicable provisions of 40 CFR 60.48b and 40 CFR 60 Appendix B, Specification 1.

16. The owner/operator shall install, calibrate, maintain, and operate a continuous monitoring system for measuring nitrogen oxides emissions discharged to the atmosphere from the main boiler stack and record the output of the system. The monitoring system shall be used for measuring and determining compliance. The continuous monitoring system shall comply with all applicable provisions of 40 CFR 60.48b and 40 CFR 60, Appendix B, Specification 2.
17. The owner/operator shall install, calibrate, maintain, and operate a continuous monitoring system for measuring sulfur dioxide emissions discharged to the atmosphere from the main boiler stack and record the output of the system. The monitoring system shall be used for measuring and determining compliance. The continuous monitoring system shall comply with all applicable provisions of 40 CFR 60, Appendix B, Specification 2 and 40 CFR 60.47b.
18. The owner/operator shall install, maintain, calibrate, and operate a continuous monitoring system for measuring the CO₂ or O₂ in the main boiler stack. The monitoring system shall comply with the requirements of 40 CFR 60, Appendix B, Specification 3.
19. The owner/operator shall comply with Section 4.6.4, UACR. This regulation addresses breakdown reporting requirements for continuous monitoring systems and quarterly report requirements. Also, the company shall comply with all the reporting and record keeping requirements of 40 CFR 60.49b.
20. All continuous monitoring data shall be recorded and shall be kept by the owner/operator for a minimum period of two years after the date on which the emissions occurred, and shall be made available to the Executive Secretary or his representative upon request.
21. The percent excess air shall not be less than 10%.
22. During the pretest conference the owner/operator shall submit a monitoring plan and a quarterly report format to the Executive Secretary for review and approval/disapproval. The monitoring plan shall include all of the required monitors.
23. The Sunnyside Cogeneration Plant shall perform post construction meteorological monitoring for wind speed, wind direction, temperature, and atmospheric stability.

A post construction monitoring plan shall be submitted to the Executive Secretary for approval within 30 days of the date of this AO and prior to data collection.

The monitoring plan shall outline the monitoring program according to requirements contained in the State of Utah "Preparation and Engineering Assessment of a Notice of Intent, A Methodology, Second Edition", and "Ambient and Meteorological Monitoring Requirements for Prevention of Significant Deterioration (PSD) and Workbook Analysis, Utah Division of Air Quality, October 1992. Post construction monitoring shall not commence prior to monitoring plan approval and shall only be terminated after a minimum of one year of approved data is collected.

Modeling shall be required using approved modeling methods and the approved meteorological data collected. A modeling protocol shall be submitted within 30 days

from the completion of meteorological monitoring. Modeling results shall be submitted within 30 days of approval of the modeling protocol.

24. Eighteen months from the date of this AO the Executive Secretary shall be notified in writing of the status of construction of this project unless the construction is complete and operation has commenced.
25. All installations and facilities authorized by this AO shall be adequately and properly maintained.
26. The Executive Secretary shall be notified in writing upon start-up of the installation as an initial compliance inspection is required.

Any future modifications to the equipment approved by this order must also be approved in accordance with Section 3.1.1, UACR.

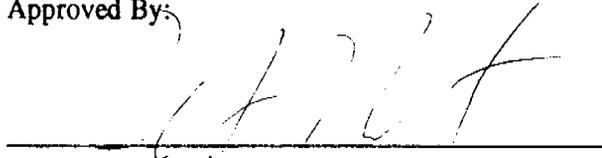
This AO in no way releases the owner or operator from any liability for compliance with all other applicable federal, state, and local regulations including the UACR.

Annual emissions for this source (the entire plant) are currently calculated at the following values:

- A. 75.00 tons/yr for particulate
- B. 66.00 tons/yr for PM_{10}
- C. 1050.00 tons/yr for SO_2
- D. 617.00 tons/yr for NO_x
- E. 32.00 tons/yr for VOC
- F. 219.00 tons/yr for CO

These calculations are for the purposes of determining the applicability of Prevention of Significant Deterioration (PSD) and nonattainment area major source requirements of the UACR. They are not to be used for purposes of determining compliance.

Approved By:



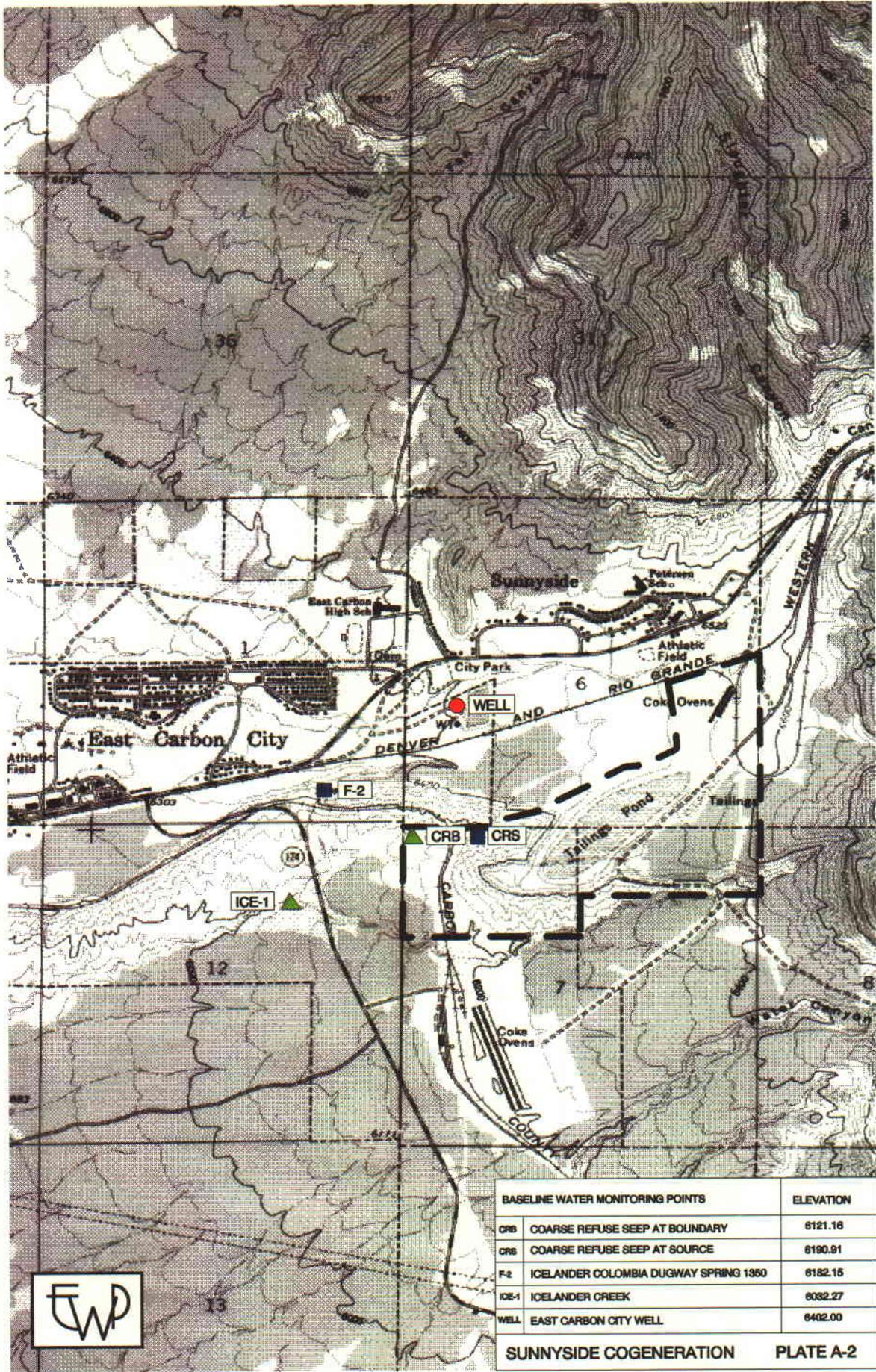
Russell A. Roberts, Executive Secretary
Utah Air Quality Board

LIST OF PLATES

- Plate A-1, Locations of Operational (UPDES) Water Monitoring Sites
- Plate A-2, Locations of Baseline Water Monitoring Sites
- Plate A-3, Revegetation Areas

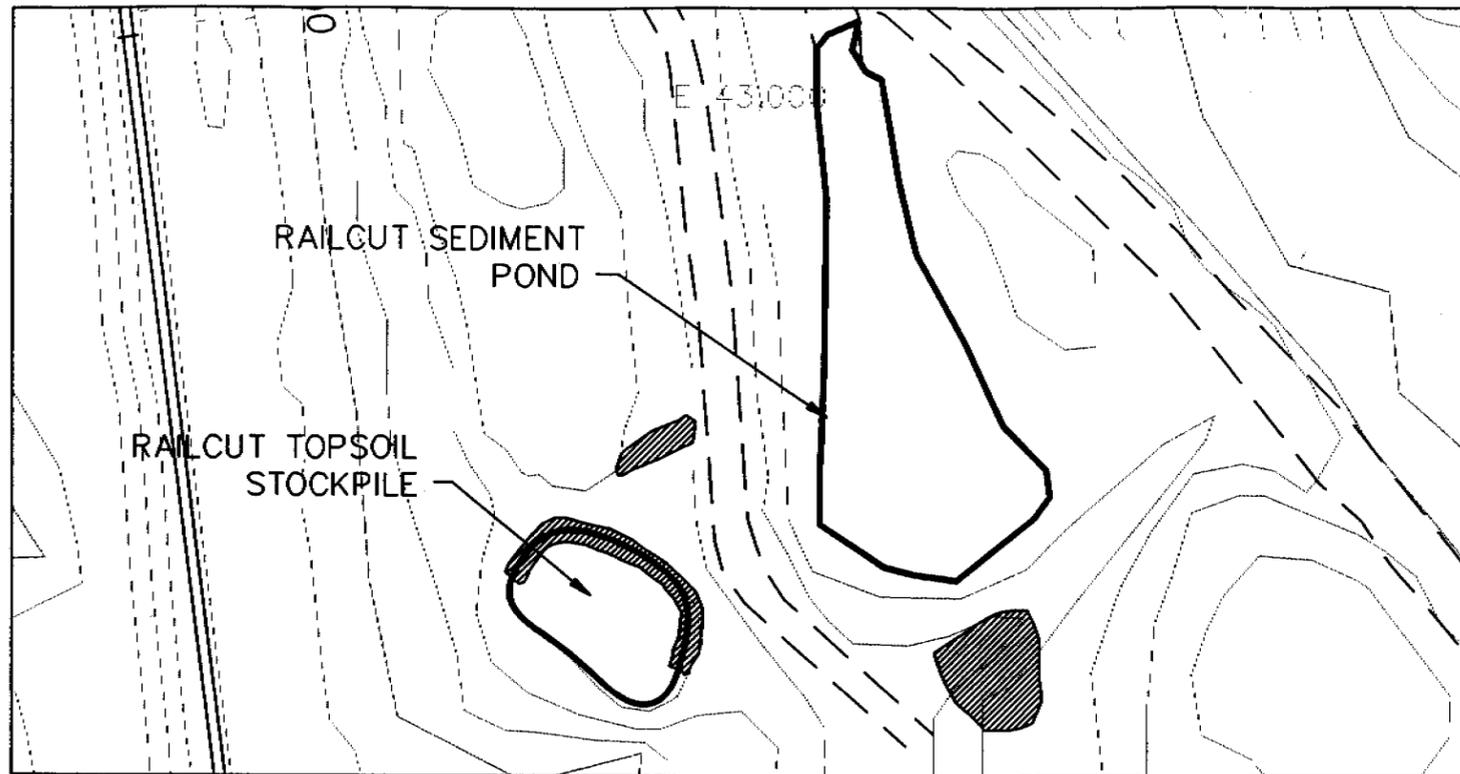
Plate A-1
Locations of Operational (UPDES) Water Monitoring Sites

Plate A-2
Locations of Baseline Water Monitoring Sites

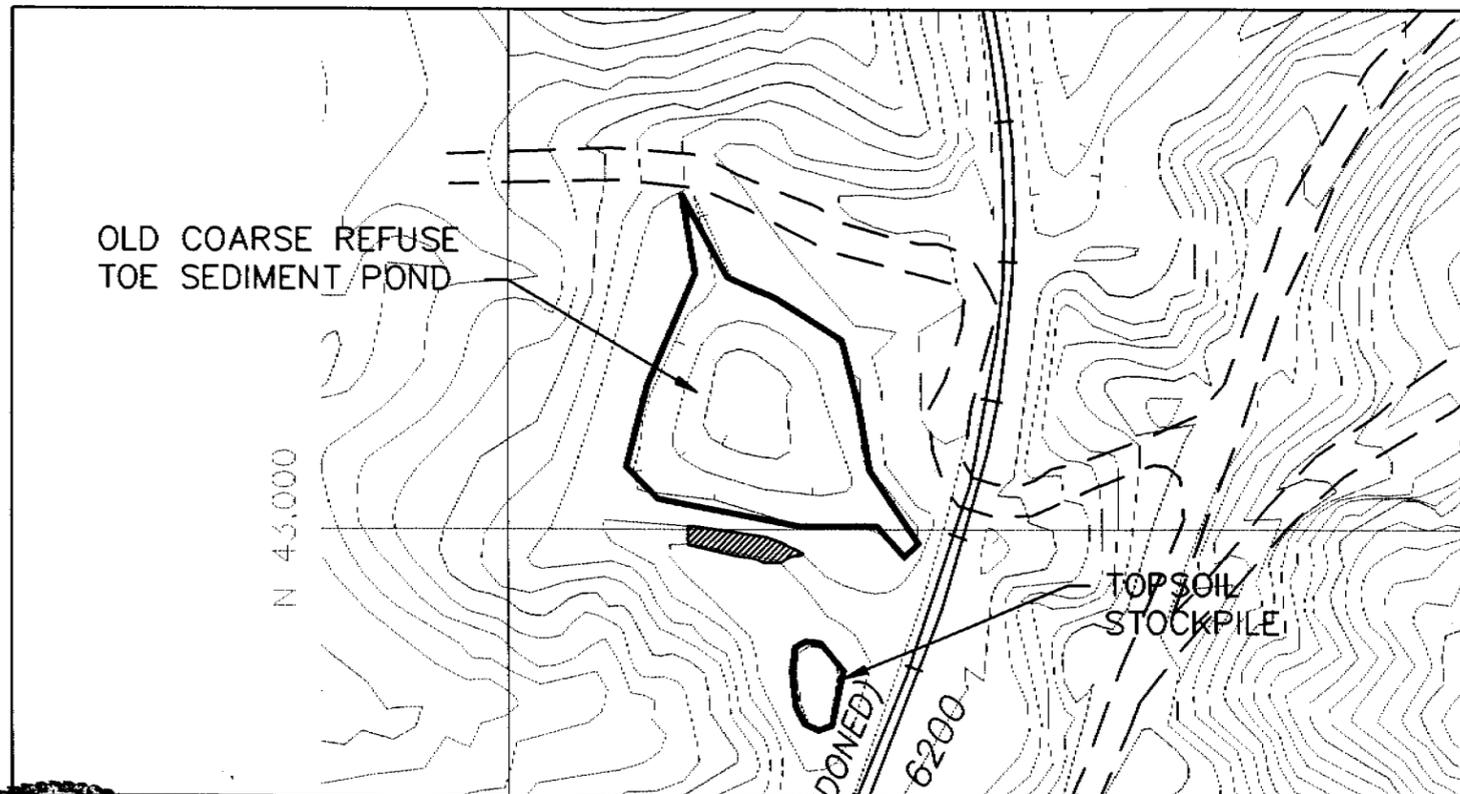


BASELINE WATER MONITORING POINTS		ELEVATION
CRB	COARSE REFUSE SEEP AT BOUNDARY	6121.16
CRS	COARSE REFUSE SEEP AT SOURCE	6190.91
F-2	ICELANDER COLUMBIA DUGWAY SPRING 1350	6182.15
ICE-1	ICELANDER CREEK	6032.27
WELL	EAST CARBON CITY WELL	6402.00

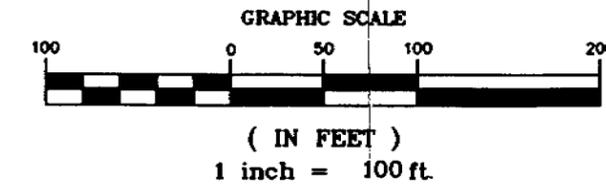
Plate A-3
Revegetation Areas



RAILCUT SEDIMENT POND RESEEDING



OLD COARSE REFUSE TOE SEDIMENT POND RESEEDING



TEMPORARY REVEGETATION SEED MIXTURE

SPECIES	DRILL RATE #PLS/ACRE	BROADCAST RATE #PLS/ACRE
<u>Agropyron intermedium</u> intermediate wheatgrass	3.5	5.3
<u>Agropyron smithii</u> western wheatgrass	4.0	5.9
<u>Agropyron trichophorum</u> pubescent wheatgrass	2.4	3.6
<u>Agropyron trachycalum</u> slender wheatgrass	3.2	4.8
<u>Agropyron dasystachum</u> thickspike wheatgrass	1.2	1.8
<u>Elymus cinereus</u> great basin wildrye	2.5	3.77
<u>Sanguiorba minor</u> small burnett	2.0	3.0
<u>Achillea lanulosa</u> western yarrow	0.1	0.1
<u>Onobrychis viciaefolia</u> sainfoin	3.63	5.44
TOTAL #PLS	22.5	33.7

 RESEEDED AREAS



No.	Revision	By	Date

Project Number EC450593
 Designed By AEB
 Drawn By AH
 Checked By AEB Date 2/94



ECKHOFF WATSON AND PREATOR ENGINEERING
 ENGINEERS PLANNERS SURVEYORS SALT LAKE CITY

SUNNYSIDE COGENERATION ASSOCIATES
 SUNNYSIDE COGENERATION FACILITY, CARBON COUNTY, UTAH
 TEMP. REVEGETATION SEED MIXTURE -
 RAILCUT & OLD COARSE REFUSE TOE SEDIMENT PONDS

OTHER INFORMATION

Disk 1,
Disk 2,

Water Monitoring Data
1993 Sunnyside Climatological Data

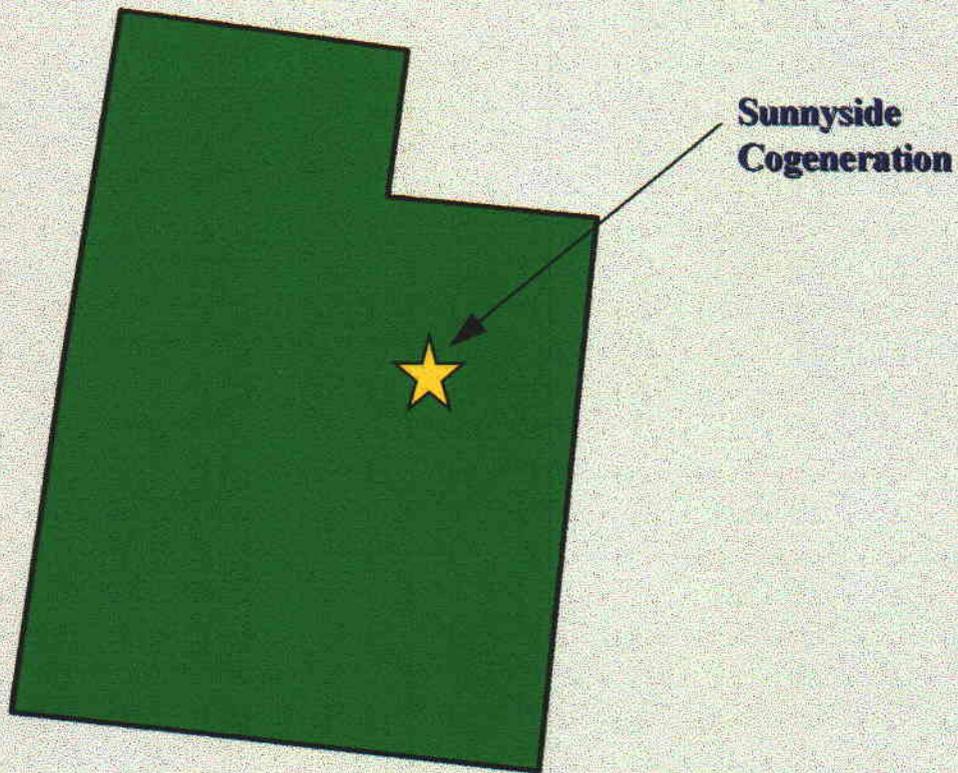
1995 Sunnyside Cogeneration Associates

ANNUAL REPORT ACT/007/035

SUNNYSIDE COGENERATION ASSOCIATES
ACT/007/035

ANNUAL REPORT

1995



April 1996

Prepared by:
EWP Engineering
1121 East 3900 South, Suite C-100
Salt Lake City, Utah 84124
(801) 261-0090