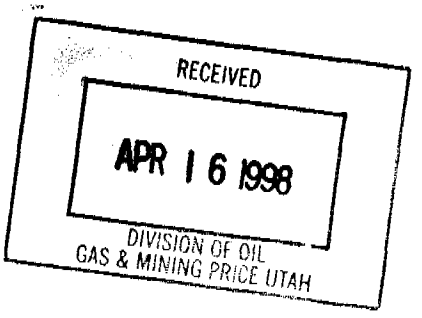
0006

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (801) 888-4476 • Fax (801) 888-2538

April 13, 1998



Division of Oil, Gas & Mining
STATE OF UTAH
c/o College of Eastern Utah
451 East 400 North
Price, Utah 84501

ACT/007/035 #2

ATTN: Mr. Bill Malencik

Subject: Quarterly Sampling Report
Monitoring Period: January, February, and March 1998
DOGM Permit Boundary Water Quality Monitoring Plan
Sunnyside Cogeneration Associates Power Plant

Dear Bill:

This letter report summarizes the analytical results and field activities concerning the DOGM Permit Water Quality Monitoring Plan at the Sunnyside Cogeneration Associates Power Plant. The baseline quarterly period covered is January, February, and March 1998. I collected the quarterly water-samples, field parameters, and performed visual inspections of the DOGM permit monitoring locations on March 16, 1998.

Immediately after collection, the water samples were preserved (when necessary), placed on ice in a cooler, and delivered under chain of custody documentation to Chemtech / Ford Laboratory.

The required field parameters for each monitoring location were measured on March 16, 1998, and are presented in Table 2. None of the DOGM UPDES permit outfalls discharged effluent during the monitoring period. The coarse refuse source (CRS) monitoring location was not discharging during this period; no sample was taken, no water was present.

If you have any questions or comments, please contact me at (435) 888-4476.

Sincerely,

Rusty Netz

Rusty Netz
Environmental Coordinator

RN/lls

Enclosures:

Table 1:	Compliance Monitoring Locations
Table 2:	Field Parameter Data
Table 3:	Quarterly Compliance Sampling Results, 1st Quarter, 1998
Attachment A:	Field Data Sheets (UPDES)
Attachment B:	Analytical Laboratory Report

c.c. Mr. Robert Evans, NRG Energy, Inc.
Mr. Douglas Burnham, Babcock & Wilcox
Mr. Ken Wyatt, Division of Oil, Gas & Mining
Mr. Harold Sallas, Sunnyside Cogeneration Assoc.
SCA Plant file

Table 1

TABLE 1

Sunnyside Cogeneration Facility

Sunnyside, Utah

Compliance Monitoring Locations

DOGM Permit Boundary Water Quality Monitoring Plan

DOGM UPDES Monitoring Locations
Outfall 004, Clear Water Pond
Outfall 007, Rail Cut Pond
Outfall 008, Old Coarse Refuse Pond
Outfall 009, Pasture Pond
Outfall 012, Coarse RefuseToe
Outfall 014, Coal Pile Runoff Pond
Outfall 016, Borrow Area Pond

DOGM Baseline Water Quality Monitoring Locations
ICE-1, Icelander Creek
F-2, Whitmore Springs
CRS, Coarse Refuse Seep-Source
CRB, Coarse Refuse Seep-Boundary
WELL-1, Dragerton Well
B-6, Borehole B-6

Table 2

TABLE 2

Sunnyside Cogeneration Facility
Sunnyside, Utah

Field Parameter Data

DOGM Permit Boundry Water Quality Monitoring Plan
Monitoring Period: First Quarter 1998
Samples taken March 16, 1998

Monitoring Location	Location I.D.	Temp. (C)	pH (su)	SC (umhos)	Dissolved Oxygen (mg/l)	Flow Rate (gpm)	Flow method
Icelander Creek	ICE-1	5	7.54	2170	8.2	20	2
Columbia Dugway Spring	F-2	4.9	8.56	1760	8.3	30	2
Coarse Refuse Seep Source	CRS	NA	NA	NA	NA	NA	NA
Coarse Refuse Seep Boundary	CRB	10	8.26	4800	7.9	25	2
Dragerton Well	Well-1	10.6	7.73	1380	8.1	150	4
Borehole B-6	B-6	NW	NW	NW	NW	NW	NW

Notes:
na - no flow
NW- no water present
nd - data is not available due to lack of discharge
1- Flow rates were measured using a weir.
2 - Flow rates were measured using a calibrated container and stopwatch method.
3 - Flow rates were measured using the floating debris method.
4 - Flow rates were measured using a meter

Table 3

TABLE 3

Sunnyside Cogeneration Facility

Sunnyside, Utah
First Quarter 1998
Quarterly Compliance Sampling Results

DOGM Permit Boundary Water Quality Monitoring Plan
Sampling Date: MARCH 16, 1998

	Analytical Parameters									
	Metals (mg/l)				Inorganics (mg/l)					Ions
Sample Location	Iron Total	Iron Dissolved	Manganese Total	Manganese Dissolved	Electrical Conductivity	Oil & Grease	Settleable Solids	Dissolved Solids	Suspended Solids	C - A Balance
ICE-1	0.141	<0.02	0.04	<0.01	2170	<5	<0.1	1570	4	20.03/25.01
CRB	0.12	<0.02	0.01	<0.01	4800	<5	<0.1	4,720	15	60.41/67.62
CRS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
F - 2	0.15	0.03	0.02	0.02	1760	<5	<0.1	1,220	<1	18.81/20.78
WELL-1	0.17	<0.02	<0.01	<0.01	1380	<5	<0.1	868	2	14.57/15.8
BOREHOLE B-6	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW

	Analytical Parameters									
	Anions (mg/l)					Cations (mg/l)				
Sample Location	Bicarbonate Alkalinity	Carbonate Alkalinity	Total Alkalinity	Chloride as Cl	Sulfate as SO4	Calcium as Ca	Hardness as CaCO3	Magnesium as Mg	Potassium as K	Sodium as Na
ICE-1	496	<1	407	60	729	88.6	696	91.1	6.1	183
CRB	399	<1	327	143	2740	417	2250	261	19.8	405
CRS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
F - 2	554	3	459	42	501	76.1	578	83.1	3.1	186
WELL-1	528	<1	433	18	318	60	386	52.6	2.8	165
BOREHOLE B-6	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW

A < sign indicates the value reported was the practical quantitation limit for this sample using the method described. Concentrations of analyte, if present, below this were not quantifiable.
* - Higher detection limit reported due to interferences present in the sample.
na - not applicable
NW - no water present
ND - data is not available due to lack of discharge

Attachment "A"

Sunnyside Cogeneration Associates
DOGM UPDES Monitoring Sites
Field Data Sheets

LOCATIONS: CLEAR WATER POND

OUTFALL NUMBER: 004

Date	Time	Personnel	Weather	Discharge Present	Flow (gpm)	Water Level (feet)	Temp (F)	pH	SC (umhos)	DO mg/l	Sample Taken	Observations
1/13/98	0857	R. NETZ	cold/sunny	NO							NO	Basin dry
1/29/98	1400	R. NETZ	Ptly. cloudy	NO					--		NO	2" snow
2/13/98	1115	R. NETZ	cold/sunny	NO							NO	DAMP
2/26/98	912	R. NETZ	Ptly. cloudy	NO							NO	1/2 " WATER
3/16/98	1420	R. NETZ	cold/cloudy	NO							NO	DAMP
3/26/98	1045	R. NETZ	cold/cloudy	NO							NO	Dry

Sunnyside Cogeneration Associates
DOGM UPDES Monitoring Sites
Field Data Sheets

OCATIONS: RAIL CUT POND

OUTFALL NUMBER: 007

Date	Time	Personnel	Weather	Discharge Present	Flow (gpm)	Water Level (feet)	Temp (F)	pH	SC (umhos)	DO mg/l	Sample Taken	Observations
1/13/98	0826	R. NETZ	cold/sunny	NO							NO	Basin dry
1/29/98	1339	R. NETZ	Ptly. cloudy	NO							NO	2" snow
2/13/98	1439	R. NETZ	cold/sunny	NO							NO	DAMP
2/26/98	1120	R. NETZ	Ptly. cloudy	NO							NO	DAMP
3/16/98	1345	R. NETZ	cold/cloudy	NO							NO	Dry
3/26/98	1145	R. NETZ	cold/cloudy	NO							NO	Dry

Sunnyside Cogeneration Associates
DOGM UPDES Monitoring Sites
Field Data Sheets

LOCATIONS: OLD COARSE REFUSE BASIN

OUTFALL NUMBER: 008

Date	Time	Personnel	Weather	Discharge Present	Flow (gpm)	Water Level (feet)	Temp (F)	pH	SC (umhos)	DO mg/l	Sample Taken	Observations
1/13/98	0909	R. NETZ	cold/sunny	NO							NO	Basin dry
1/29/98	1412	R. NETZ	Ptly. cloudy	NO							NO	2" snow
2/13/98	1145	R. NETZ	cold/sunny	NO							NO	DAMP
2/26/98	925	R. NETZ	Ptly. cloudy	NO							NO	1/2" WATER
3/16/98	1435	R. NETZ	cold/cloudy	NO							NO	Dry
3/26/98	1100	R. NETZ	cold/cloudy	NO								Dry

Sunnyside Cogeneration Associates
DOGM UPDES Monitoring Sites
Field Data Sheets

LOCATIONS: PASTURE POND

OUTFALL NUMBER: 009

Date	Time	Personnel	Weather	Discharge Present	Flow (gpm)	Water Level (feet)	Temp (F)	pH	SC (umhos)	DO mg/l	Sample Taken	Observations
											NO	Basin dry
1/13/98	0921	R. NETZ	cold/sunny	NO							NO	Muddy basin
1/29/98	1427	R. NETZ	Ptly. cloudy	NO							NO	DAMP
2/13/98	1330	R. NETZ	cold/sunny	NO							NO	DAMP
2/26/98	955	R. NETZ	Ptly. cloudy	NO							NO	Muddy basin
3/16/98	1450	R. NETZ	cold/cloudy	NO							NO	Muddy basin
3/26/98	1300	R. NETZ	cold/cloudy	NO								

Sunnyside Cogeneration Associtates
DOGM UPDES Monitoring Sites
Field Data Sheets

LOCATIONS: COARSE REFUSE TOE POND

OUTFALL NUMBER: O12

Date	Time	Personnel	Weather	Discharge Present	Flow (gpm)	Water Level (feet)	Temp (F)	pH	SC (umhos)	DO mg/l	Sample Taken	Observations
											NO	.5" WATER
1/13/98	0828	R. NETZ	cold/sunny	NO							NO	Muddy basin
1/29/98	1346	R. NETZ	Ptly. cloudy	NO							NO	DAMP
2/13/98	1430	R. NETZ	cold/sunny	NO							NO	DAMP
2/26/98	1110	R. NETZ	Ptly. cloudy	NO							NO	DAMP
3/16/98	1400	R. NETZ	cold/cloudy	NO							NO	DAMP
3/26/98	1200	R. NETZ	cold/cloudy	NO								

Sunnyside Cogeneration Associtates
DOGM UPDES Monitoring Sites
Field Data Sheets

LOCATIONS:	COAL PILE SED. POND
OUTFALL NUMBER:	O14

Date	Time	Personnel	Weather	Discharge Present	Flow (gpm)	Water Level (feet)	Temp (F)	pH	SC (umhos)	DO mg/l	Sample Taken	Observations
1/13/98	0923	R. NETZ	cold/sunny	NO							NO	DRY BASIN
1/29/98	1431	R. NETZ	Ptly. cloudy	NO							NO	Muddy basin
2/13/98	1338	R. NETZ	cold/sunny	NO							NO	DAMP
2/26/98	1015	R. NETZ	Ptly. cloudy	NO							NO	DAMP
3/16/98	1455	R. NETZ	cold/cloudy	NO							NO	Muddy basin
3/26/98	1310	R. NETZ	cold/cloudy	NO							NO	Muddy basin

Sunnyside Cogeneration Associates
DOGM UPDES Monitoring Sites
Field Data Sheets

LOCATIONS: BORROW AREA BASIN

OUTFALL NUMBER: 016

Date	Time	Personnel	Weather	Discharge Present	Flow (gpm)	Water Level (feet)	Temp (F)	pH	SC (umhos)	DO mg/l	Sample Taken	Observations
1/13/98	0902	R. NETZ	cold/sunny	NO							NO	DRY BASIN
1/29/98	1406	R. NETZ	Ptly. cloudy	NO							NO	DAMP
2/13/98	1125	R. NETZ	cold/sunny	NO							NO	DAMP
2/26/98	920	R. NETZ	Ptly. cloudy	NO							NO	DRY BASIN
3/16/98	1425	R. NETZ	cold/cloudy	NO							NO	DRY BASIN
3/26/98	1055	R. NETZ	cold/cloudy	NO								

Attachment "B"

CHEMTECH-FORD ANALYTICAL LABORATORIES

Date: 4/10/98

To: Sunnyside Cogeneration
attn: Rusty Netz
P.O. Box 10
East Carbon, UT 84520

Group #: 21769
Lab #: 98-U001945
Project: BASELIN MONITORING
Sample Desc: ICE-1

Date Sampled: 3/18/98
Date Submitted: 3/19/98

Time Sampled: 9:15
Time Received: 9:15

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MDL	DATE ANALYZED	METHOD	ANALYST
INORGANIC PARAMETERS					
Bicarbonate as HCO3, mg/L	496	1	3/19/98 13:00	SM 2320B	TSM
Carbonate as CO3, mg/L	< 1	1	3/19/98 13:00	SM 2320B	TSM
Alkalinity, Total (CaCO3), mg/L	407	1	3/19/98 13:00	SM 2320B	TSM
Chloride (D), mg/L	60	1	3/19/98 11:30	EPA 325.3	TSM
Settleable Solids, mL/L/hr	< 0.1	0.1	3/19/98 11:00	EPA 160.5	LPS
Sulfate, mg/L	729	167	4/10/98 10:00	EPA 375.4	TSM
Total Dissolved Solids, mg/L	1,570	10	3/26/98 14:00	EPA 160.1	LPS
Total Suspended Solids, mg/L	4	1	3/19/98 11:20	EPA 160.2	LPS
Calcium (D), as Ca, mg/L	88.6	0.3	4/ 7/98 13:06	EPA 200.7	EG
Iron (D), as Fe, mg/L	< 0.02	0.02	3/25/98 11:08	EPA 200.7	EG
Magnesium (D), as Mg, mg/L	91.1	0.2	4/ 7/98 13:06	EPA 200.7	EG
Manganese (D), as Mn, mg/L	< 0.01	0.01	3/25/98 11:08	EPA 200.7	EG
Potassium (D), as K, mg/L	6.1	0.2	4/ 7/98 13:06	EPA 200.7	EG
Sodium (D), as Na, mg/L	183	2	4/ 7/98 13:06	EPA 200.7	EG
Cation, meq/L	20.03				
Anion, meq/L	25.01				
% Difference,	11.00				
Receiving Temperature, C	2.3		3/19/98 9:15		RCG

Approved By: _____

{generic.rpt}

6100 SOUTH STRATLER
SALT LAKE CITY UTAH 84107 6905
801 262 7299 PHONE
801 262 7378 FAX

CHEMTECH-FORD ANALYTICAL LABORATORIES

Date: 4/10/98

To: Sunnyside Cogeneration
attn: Rusty Netz
P.O. Box 10
East Carbon, UT 84520

Group #: 21769
Lab #: 98-U001837
Project: BASLINE MONITORING
Sample Desc: ICE-1

Date Sampled: 3/16/98
Date Submitted: 3/17/98

Time Sampled: 10:50
Time Received: 9:50

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MDL	DATE ANALYZED	METHOD	ANALYST
INORGANIC PARAMETERS					
Hardness, EDTA Titration, mg/L	696	12	3/19/98 12:00	EPA 130.2	TSM
Hardness Index: Very Hard Water					
Iron (T), as Fe, mg/L	1.41	0.02	3/30/98 14:58	EPA 200.7	EG
Manganese (T), as Mn, mg/L	0.04	0.01	3/30/98 14:58	EPA 200.7	EG
Oil & Grease, mg/L	< 5	5	3/24/98 10:00	SM18 5520-B	KRF
Receiving Temperature, C	4.1		3/17/98 9:50		RCG

NOTE: Sample submitted on ice.

Approved By: _____

(generic.rpt)

6100 SOUTH STRATLER
SALT LAKE CITY UTAH 84107 6905
801 262 7299 PHONE
801 262 7378 FAX

CHEMTECH-FORD ANALYTICAL LABORATORIES

Date: 4/10/98

To: Sunnyside Cogeneration
attn: Rusty Netz
P.O. Box 10
East Carbon, UT 84520

Group #: 21769
Lab #: 98-U001945
Project: BASELIN MONITORING
Sample Desc: ICE-1

Date Sampled: 3/18/98
Date Submitted: 3/19/98

Time Sampled: 9:15
Time Received: 9:15

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MDL	DATE ANALYZED	METHOD	ANALYST
INORGANIC PARAMETERS					

NOTE: Sample submitted on ice.

Approved By: _____

{generic.rpt}

6100 SOUTH STRATLER
SALT LAKE CITY UTAH 84107 6905
801 262 7299 PHONE
801 262 7378 FAX

CHEMTECH-FORD ANALYTICAL LABORATORIES

Date: 4/10/98

To: Sunnyside Cogeneration
attn: Rusty Netz
P.O. Box 10
East Carbon, UT 84520

Group #: 21769
Lab #: 98-U001838
Project: BASLINE MONITORING
Sample Desc: CRB

Date Sampled: 3/16/98
Date Submitted: 3/17/98

Time Sampled: 11:30
Time Received: 9:50

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MDL	DATE ANALYZED	METHOD	ANALYST
INORGANIC PARAMETERS					
Bicarbonate as HCO3, mg/L	399	1	3/19/98 13:00	SM 2320B	TSM
Carbonate as CO3, mg/L	< 1	1	3/19/98 13:00	SM 2320B	TSM
Alkalinity, Total (CaCO3), mg/L	327	1	3/19/98 13:00	SM 2320B	TSM
Chloride (D), mg/L	143	1.7	3/19/98 11:30	EPA 325.3	TSM
Hardness, EDTA Titration, mg/L	2,250	125	3/19/98 12:00	EPA 130.2	TSM
Hardness Index: Very Hard Water					
Settleable Solids, mL/L/hr	< 0.1	0.1	3/17/98 14:30	EPA 160.5	RCG
Sulfate, mg/L	2,740	500	3/20/98 11:00	EPA 375.4	TSM
Total Dissolved Solids, mg/L	4,720	10	3/19/98 13:15	EPA 160.1	LPS
Total Suspended Solids, mg/L	15	1	3/17/98 14:30	EPA 160.2	RCG
Calcium (D), as Ca, mg/L	417	0.3	3/25/98 11:08	EPA 200.7	EG
Iron (T), as Fe, mg/L	0.12	0.02	3/30/98 14:58	EPA 200.7	EG
Iron (D), as Fe, mg/L	< 0.02	0.02	3/25/98 11:08	EPA 200.7	EG
Magnesium (D), as Mg, mg/L	261	0.2	3/25/98 11:08	EPA 200.7	EG
Manganese (T), as Mn, mg/L	0.01	0.01	3/30/98 14:58	EPA 200.7	EG
Manganese (D), as Mn, mg/L	< 0.01	0.01	3/25/98 11:08	EPA 200.7	EG
Potassium (D), as K, mg/L	19.8	0.2	3/25/98 11:08	EPA 200.7	EG
Sodium (D), as Na, mg/L	405	2	3/25/98 11:08	EPA 200.7	EG
Oil & Grease, mg/L	< 5	5	3/24/98 10:00	SM18 5520-B	KRF
Cation, meq/L	60.41				

Approved By: _____

{generic.rpt}

6100 SOUTH STRATLER
SALT LAKE CITY UTAH 84107 6905
801 262 7299 PHONE
801 262 7378 FAX

CHEMTECH-FORD ANALYTICAL LABORATORIES

Date: 4/10/98

To: Sunnyside Cogeneration
attn: Rusty Netz
P.O. Box 10
East Carbon, UT 84520

Group #: 21769
Lab #: 98-U001838
Project: BASLINE MONITORING
Sample Desc: CRB

Date Sampled: 3/16/98
Date Submitted: 3/17/98

Time Sampled: 11:30
Time Received: 9:50

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MDL	DATE ANALYZED	METHOD	ANALYST
INORGANIC PARAMETERS					
Anion, meq/L	67.62				
% Difference,	5.63				
Receiving Temperature, C	4.1		3/17/98 9:50		RCG

NOTE: Sample submitted on ice.

Approved By: _____

{generic.rpt}

6100 SOUTH STRATLER
SALT LAKE CITY UTAH 84107 6905
801 262 7299 PHONE
801 262 7378 FAX

CHEMTECH-FORD ANALYTICAL LABORATORIES

Date: 4/10/98

To: Sunnyside Cogeneration
attn: Rusty Netz
P.O. Box 10
East Carbon, UT 84520

Group #: 21769
Lab #: 98-U001836
Project: BASLINE MONITORING
Sample Desc: F-2

Date Sampled: 3/16/98
Date Submitted: 3/17/98

Time Sampled: 10:40
Time Received: 9:50

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MDL	DATE ANALYZED	METHOD	ANALYST
INORGANIC PARAMETERS					
Bicarbonate as HCO3, mg/L	554	1	3/19/98 13:00	SM 2320B	TSM
Carbonate as CO3, mg/L	3	1	3/19/98 13:00	SM 2320B	TSM
Alkalinity, Total (CaCO3), mg/L	459	1	3/19/98 13:00	SM 2320B	TSM
Chloride (D), mg/L	42	1.7	3/19/98 11:30	EPA 325.3	TSM
Hardness, EDTA Titration, mg/L	578	12	3/19/98 12:00	EPA 130.2	TSM
Hardness Index: Very Hard Water					
Settleable Solids, mL/L/hr	< 0.1	0.1	3/17/98 14:30	EPA 160.5	RCG
Sulfate, mg/L	501	167	3/20/98 11:00	EPA 375.4	TSM
Total Dissolved Solids, mg/L	1,220	10	3/19/98 13:15	EPA 160.1	LPS
Total Suspended Solids, mg/L	< 1	1	3/17/98 14:30	EPA 160.2	RCG
Calcium (D), as Ca, mg/L	76.1	0.3	3/25/98 11:08	EPA 200.7	EG
Iron (T), as Fe, mg/L	0.15	0.02	3/18/98 11:59	EPA 200.7	EG
Iron (D), as Fe, mg/L	0.03	0.02	3/25/98 11:08	EPA 200.7	EG
Magnesium (D), as Mg, mg/L	83.1	0.2	3/25/98 11:08	EPA 200.7	EG
Manganese (T), as Mn, mg/L	0.02	0.01	3/18/98 11:59	EPA 200.7	EG
Manganese (D), as Mn, mg/L	0.02	0.01	3/25/98 11:08	EPA 200.7	EG
Potassium (D), as K, mg/L	3.1	0.2	3/25/98 11:08	EPA 200.7	EG
Sodium (D), as Na, mg/L	186	2	3/25/98 11:08	EPA 200.7	EG
Cation, meq/L	18.81				
Anion, meq/L	20.78				

Approved By: _____

{generic.rpt}

6100 SOUTH STRATLER
SALT LAKE CITY UTAH 84107 6905
801 262 7299 PHONE
801 262 7378 FAX

CHEMTECH-FORD ANALYTICAL LABORATORIES

Date: 4/10/98

To: Sunnyside Cogeneration
attn: Rusty Netz
P.O. Box 10
East Carbon, UT 84520

Group #: 21769
Lab #: 98-U001944
Project: BASELIN MONITORING
Sample Desc: F-2

Date Sampled: 3/18/98
Date Submitted: 3/19/98

Time Sampled: 9:00
Time Received: 9:15

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MDL	DATE ANALYZED	METHOD	ANALYST
INORGANIC PARAMETERS					
Oil & Grease, mg/L	< 5	5	3/24/98 14:00	SM18 5520-B	KRF
Receiving Temperature, C	2.3		3/19/98 9:15		RCG

NOTE: Sample submitted on ice.

Approved By: R Dwen

(generic.rpt)

6100 SOUTH STRATLER
SALT LAKE CITY UTAH 84107 6905
801 262 7299 PHONE
801 262 7378 FAX

CHEMTECH-FORD ANALYTICAL LABORATORIES

Date: 4/10/98

To: Sunnyside Cogeneration
attn: Rusty Netz
P.O. Box 10
East Carbon, UT 84520

Group #: 21769
Lab #: 98-U001836
Project: BASLINE MONITORING
Sample Desc: F-2

Date Sampled: 3/16/98
Date Submitted: 3/17/98

Time Sampled: 10:40
Time Received: 9:50

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MDL	DATE ANALYZED	METHOD	ANALYST
INORGANIC PARAMETERS					
% Difference,	4.99				
Receiving Temperature, C	4.1		3/17/98 9:50		RCG

NOTE: Sample submitted on ice.

Approved By: _____

{generic.rpt}

6100 SOUTH STRATLER
SALT LAKE CITY UTAH 84107 6905
801 262 7299 PHONE
801 262 7378 FAX

CHEMTECH-FORD ANALYTICAL LABORATORIES

Date: 4/10/98

To: Sunnyside Cogeneration
attn: Rusty Netz
P.O. Box 10
East Carbon, UT 84520

Group #: 21769
Lab #: 98-U001835
Project: BASLINE MONITORING
Sample Desc: Well #1

Date Sampled: 3/16/98
Date Submitted: 3/17/98

Time Sampled: 10:10
Time Received: 9:50

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MDL	DATE ANALYZED	METHOD	ANALYST
INORGANIC PARAMETERS					
Bicarbonate as HCO3, mg/L	528	1	3/19/98 13:00	SM 2320B	TSM
Carbonate as CO3, mg/L	< 1	1	3/19/98 13:00	SM 2320B	TSM
Alkalinity, Total (CaCO3), mg/L	433	1	3/19/98 13:00	SM 2320B	TSM
Chloride (D), mg/L	18	1	3/19/98 11:30	EPA 325.3	TSM
Hardness, EDTA Titration, mg/L	386	8	3/19/98 12:00	EPA 130.2	TSM
Hardness Index: Hard Water					
Settleable Solids, mL/L/hr	< 0.1	0.1	3/17/98 14:30	EPA 160.5	RCG
Sulfate, mg/L	318	100	3/20/98 11:00	EPA 375.4	TSM
Total Dissolved Solids, mg/L	868	10	3/19/98 13:15	EPA 160.1	LPS
Total Suspended Solids, mg/L	2	1	3/17/98 14:30	EPA 160.2	RCG
Calcium (D), as Ca, mg/L	60.0	0.3	3/25/98 11:08	EPA 200.7	EG
Iron (T), as Fe, mg/L	0.17	0.02	3/30/98 14:58	EPA 200.7	EG
Iron (D), as Fe, mg/L	< 0.02	0.02	3/25/98 11:08	EPA 200.7	EG
Magnesium (D), as Mg, mg/L	52.6	0.2	3/25/98 11:08	EPA 200.7	EG
Manganese (T), as Mn, mg/L	< 0.01	0.01	3/30/98 14:58	EPA 200.7	EG
Manganese (D), as Mn, mg/L	< 0.01	0.01	3/25/98 11:08	EPA 200.7	EG
Potassium (D), as K, mg/L	2.8	0.2	3/25/98 11:08	EPA 200.7	EG
Sodium (D), as Na, mg/L	165	2	3/25/98 11:08	EPA 200.7	EG
Cation, meq/L	14.57				
Anion, meq/L	15.80				

Approved By: _____

{generic.rpt}

6100 SOUTH STRATLER
SALT LAKE CITY UTAH 84107 6905
801 262 7299 PHONE
801 262 7378 FAX

CHEMTECH-FORD ANALYTICAL LABORATORIES

Date: 4/10/98

To: Sunnyside Cogeneration
attn: Rusty Netz
P.O. Box 10
East Carbon, UT 84520

Group #: 21769
Lab #: 98-U001943
Project: BASELIN MONITORING
Sample Desc: Well 1

Date Sampled: 3/18/98
Date Submitted: 3/19/98

Time Sampled: 8:55
Time Received: 9:15

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MDL	DATE ANALYZED	METHOD	ANALYST
INORGANIC PARAMETERS					
Oil & Grease, mg/L	< 5	5	3/24/98 14:00	SM18 5520-B	KRF
Receiving Temperature, C	2.3		3/19/98 9:15		RCG

NOTE: Sample submitted on ice.

Approved By: _____

(generic.rpt)

6100 SOUTH STRATLER
SALT LAKE CITY UTAH 84107 6905
801 262 7299 PHONE
801 262 7378 FAX

CHEMTECH-FORD ANALYTICAL LABORATORIES

To: Sunnyside Cogeneration
attn: Rusty Netz
P.O. Box 10
East Carbon, UT 84520

Date: 4/10/98

Group #: 21769
Lab #: 98-U001835
Project: BASLINE MONITORING
Sample Desc: Well #1

Date Sampled: 3/16/98
Date Submitted: 3/17/98

Time Sampled: 10:10
Time Received: 9:50

CERTIFICATE OF ANALYSIS

PARAMETER	RESULT	MDL	DATE ANALYZED	METHOD	ANALYST
INORGANIC PARAMETERS					
% Difference,	4.03				
Receiving Temperature, C	4.1		3/17/98 9:50		RCG

NOTE: Sample submitted on ice.

Approved By: _____

{generic.rpt}

6100 SOUTH STRATLER
SALT LAKE CITY UTAH 84107 6905
801 262 7299 PHONE
801 262 7378 FAX

CHEMTECH - FORD ANALYTICAL LABORATORY

ANALYSIS REQUEST FORM

COMPANY: Sunnyside Co-Gen
ADDRESS: #1 Power Plant Rd
CITY/STATE/ZIP: East Carbon Utah, 84539
PHONE #: 888-4476 FAX #: 888-2538
CO. CONTACT:
PROJECT ID: Baseline

BILLING ADDRESS:
BILLING CITY/ST/ZIP:
P.O. #:
TURNAROUND REQ'D:*
*expedited turnaround subject to additional charge

Lab ID #	SAMPLE LOCATION	SAMPLE DATE	SAMPLE TIME	Number of Containers	MATRIX: Drinking Water	Water	Soil / Solid (circle)	Sludge	Oil	Other (specify)	ANALYTES REQUESTED: Baseline List
1835	1. Well #1 *	3/16	1010	W		✓			✓		X
1836	2. F-2 *	"	1040	3		✓			✓		X
1837	3. ICE-1 +	"	1050	3		✓			✓		X
1838	4. CRB	"	1130	3		✓			✓		X
	5.										
	6.										
	7.										
	8.										
	9.										
	10.										

Not Filtered Yet

Sampled by: (print)
Sampled by: (signature)
Receiving Temp. (C): 4.0

Special Instructions: * Oil & Grease bottles broken in shipment. RC
+ ICE-1 bottle was cut by broken glass (unpreserved bottle)

Relinquished by: (signature)	Received by: (signature)	Date/Time	Comments
Rust nut	M. Callar	3-16-98	
M. Callar	Fed Ex		
Fed Ex	K. Gunderson	03/17/98 0950	

NET 30 DAYS: 1.5% PER MONTH INTEREST CHARGE (18% A.P.R.)
CUSTOMER AGREES TO PAY COLLECTION COSTS AND ATTORNEY'S FEES

5100 SOUTH STRATLER AVENUE,
SALT LAKE CITY, UT 84107
OFFICE: (801)262-7299
FAX: (801)262-7378

04/10/98 15:48 CHEMTECH → 8018882538 NO.262 002

CHEMTECH - FORD ANALYTICAL LABORATORY

ANALYSIS REQUEST FORM

COMPANY: Sunnyside Cogen
ADDRESS: #1 Power Plant Rd
CITY/STATE/ZIP: Sunnyside, Ut. 84539
PHONE #: 888-4476 FAX #: 888-2538

COMPANY CONTACT: Rusty Nutz
PROJECT ID: Baseline
P.O. #:
TURNAROUND REQUIRED*
*Expedited turnaround subject to additional charge

21769

SAMPLE IDENTIFICATION	SAMPLE DATE	SAMPLE TIME	Number of Containers	MATRIX: Drinking Water	Water	Soil / Solid (others)	Sludge	Oil	Other (specify)	ANALYTES REQUESTED: BTEX (8020)	
1. Well-1	3/18	8:55	1		✓			✓		X	
2. F-2	"	900	1		✓			✓		X	
3. ICE-2	"	915	1		✓			✓		X	
4.											
5.											
6.											
7.											
8.											
9.											
10.											

1993
1994
1995

Sampled by: (print)
Sampled by: (signature)

Comments: 2.3°C

Special Instructions: These sample replace the bottles broken in shipment
Do not TPH

Relinquished by: (signature)	Received by: (signature)	Date/Time	Comments
Rusty Nutz	[signature]	3-18-98	
Relinquished by: (signature)	Received by: (signature)	Date/Time	Comments
MCallast	FedEx		
Relinquished by: (signature)	Received by: (signature)	Date/Time	Comments
FedEx	[signature]	03/19/98 0915	

NET 30 DAYS: 1.5% PER MONTH INTEREST CHARGE (18% A.P.R.)

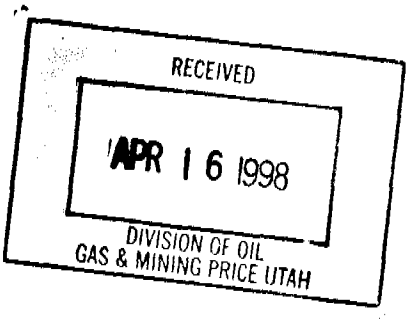
CUSTOMER AGREES TO PAY COLLECTION COSTS AND ATTORNEY'S FEES

04/10/98 15:49 CHEMTECH → 8018882538 NO. 262 003

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (801) 888-4476 • Fax (801) 888-2538

March 9, 1998



Daron Haddock
STATE OF UTAH
Division of Oil, Gas & Mining
1594 W. North Temple, Suite 220
Salt Lake City, Utah 84116-3156

RE: First Quarter 1998 Inspection Report

Dear Mr. Haddock:

Please find enclosed a copy of the First Quarter 1998 Inspection Report for Sunnyside Cogeneration Associates' impoundments, refuse pile and excess spoil area. The inspection was performed by a professional engineer from Psomas and Associates Engineering.

Should you have any questions, please contact Rusty Netz at (435)888-4476.

Thank You,
Sunnyside Operations Associates, L. P.

Harold C. Sallas
General Manager

Enclosure

c.c. Bill Malencik/Division of Oil, Gas & Mining
Doug Burnham/B&W Sunnyside, L.P.
Bob Evans/NRG Sunnyside, Inc.
Rusty Netz/SOA
Plant File

PSOMAS

Psomas and Associates
339 East 3900 South Street
Suite 201A
Salt Lake City, UT 84107
Phone (801) 270-5777
Fax (801) 270-5782

March 31, 1998

Rusty Netz
Sunnyside Cogeneration Associates
PO Box 10
East Carbon, UT 84520
(435) 888-4476

RE: First Quarter 1998 Inspections

Dear Rusty,

On March 24, 1998, Psomas completed the First Quarter Inspection of SCA's Impoundments, Refuse Pile, and Excess Spoil Disposal Area. These areas appeared stable, with no structural weakness or hazardous conditions. In general, the site appeared in good condition and well maintained.

I have enclosed the certified inspection reports associated with each facility. I have also enclosed a print of the photos taken during the inspection.

Please feel free to call me at (801) 270-5777 if you have any questions.

Sincerely,

S. Scott Carlson

S. Scott Carlson, P.E.
Project Manager

Enclosure

cc: Harold Sallas

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Clear Water Pond	
Permit Number	ACT/007/035	**Report Date** 3/24/98	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Clear Water Pond	
	Impoundment Number	004	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	3/24/98
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 1998

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND.

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 4.9 acre-feet
Maximum Sediment Depth Elevation = 6527
Existing Sediment Elevation = 6523+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6530.1

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Clear Water Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Existing Water depth <1', no discharge, inlet/outlet conditions are good, no structural or hazardous conditions exits.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes, pond is nearly dry.
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Scott Carlson **Date:** 3/24/98

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Clear Water Pond	

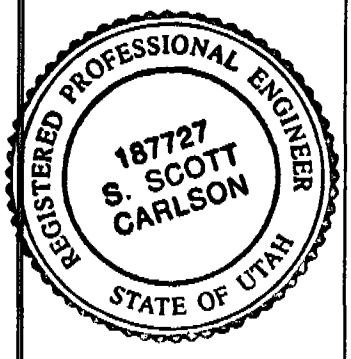
CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

None

Certification Statement:



I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott Carlson Project Manager
(Full Name and Title)

Signature: S. Scott Carlson **Date:** 3/24/98

P.E. Number & State: 187727 UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Railcut Pond	
Permit Number	ACT/007/035	**Report Date** 3/24/98	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Railcut Sediment Pond	
	Impoundment Number	007	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	3/24/98
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 1998

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND.

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 4.8 acre-feet
Maximum Sediment Depth Elevation = 6207.7
Estimated Existing Sediment Elevation = 6207+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6212.34
Primary Drain Elevation = 6209.07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Railcut Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exits.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Scott Carlson **Date:** 3/24/98

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Railcut Pond	

CERTIFIED REPORT

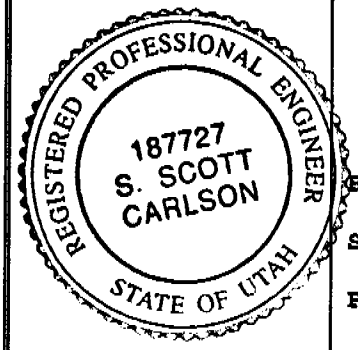
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.



By: S. Scott Carlson, P.E. Project Manager

Signature: S. Scott Carlson **Date:** 3/24/98

P.E. Number & State: 187727 - UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		OCRR Pond	
Permit Number	ACT/007/035	**Report Date** 3/24/98	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Old Coarse Refuse Road Sediment Pond	
	Impoundment Number	008	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	3/24/98
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 1998

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 0.9 acre-feet
Maximum Sediment Depth Elevation = 6394.75
Estimated Existing Sediment Elevation = 6394+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6399.4
Primary Drain Elevation = 6395.75

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	OCRR Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, pond was nearly dry, inlet/outlet conditions are good,
No structural or hazardous conditions exits.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes, no structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Scott Carlson **Date:** 3/24/98

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	OCRR Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT CARLSON
STATE OF UTAH

By: S. Scott Carlson, P.E., Project Manager

Signature: S. Scott Carlson **Date:** 3/24/98

P.E. Number & State: 187727 - UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Pasture Pond	
Permit Number	ACT/007/035	**Report Date** 3/24/98	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Pasture Sediment Pond	
	Impoundment Number	009	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	3/24/98
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 1998

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 1.0 acre-feet
Maximum Sediment Depth Elevation = 6485.5
Estimated Existing Sediment Elevation = 6484+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6490.6
Primary Drain Elevation = 6486.6

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Pasture Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, pond was dry, inlet/outlet conditions are good,
No structural or hazardous conditions exits.
Sediment was cleaned out on or about November 5th and 6th of 1997.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Scott Carlson **Date:** 3/24/98

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Pasture Pond	

CERTIFIED REPORT

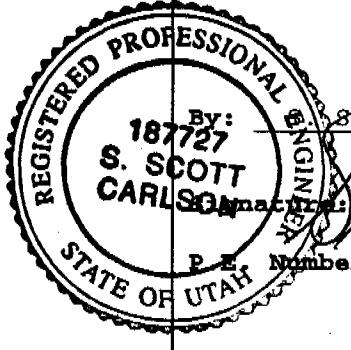
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.



By: Scott Carlson - Project Manager

Signature: Scott Carlson **Date:** 3/24/98

P.E. Number & State: 187727 - UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		CRT Pond	
Permit Number	ACT/007/035	**Report Date** 3/24/98	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	New Coarse Refuse Toe Sediment Pond	
	Impoundment Number	012	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	3/24/98
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 1998

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 1.6 acre-feet
Maximum Sediment Depth Elevation = 6177.0
Estimated Existing Sediment Elevation = 6177+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6183.63
Primary Drain Elevation = 6178.2

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	CRT Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exits.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes. No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Scott Carlson **Date:** 3/24/98

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	CRT Pond	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

None

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT CARLSON
STATE OF UTAH

By: S. Scott Carlson - Project Manager

Signature: S. Scott Carlson **Date:** 3/24/98

P.E. Number & State: 187727 - UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		COAL RUNOFF POND	
Permit Number	ACT/007/035	**Report Date** 3/24/98	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Coal Runoff Sediment Pond	
	Impoundment Number	014	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	3/24/98
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 1998

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 1.5 acre feet
Maximum Sediment Depth Elevation = 6476.0
Estimated Existing Sediment Elevation = 6473.0

3. Principle and emergency spillway elevations.

Spillway Elevation = 6477.9
Emergency Spillway Elevation = 6479.0

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	COAL RUNOFF POND	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond was cleaned out on or about November 5th and 6th, 1977
No discharge, inlet and outlet conditions are good.
No structural or hazardous conditions exits.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes.
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Scott Carlson **Date:** 3/24/98

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	COAL RUNOFF POND	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

None

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

REGISTERED PROFESSIONAL ENGINEER 187727 S. SCOTT CARLSON STATE OF UTAH

S. Scott Carlson - Project Manager
(Full Name and Title)

Signature: S. Scott Carlson Date: 3/24/98

P.E. Number & State: 187727 - UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Borrow Area Pond	
Permit Number	ACT/007/035	**Report Date** 3/24/98	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Borrow Area Pond	
	Impoundment Number	016	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	3/24/98
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 1998

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 8.3 acre-feet
Maximum Sediment Depth Elevation = 6513.3
Estimated Existing Sediment Elevation = 6511+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6517.03
Primary Drain Elevation = 6514.3

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Borrow Area Pond	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond was Dry
No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exits.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes
NO structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Scott Carlson **Date:** 3/24/98

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Borrow Area Pond	

CERTIFIED REPORT

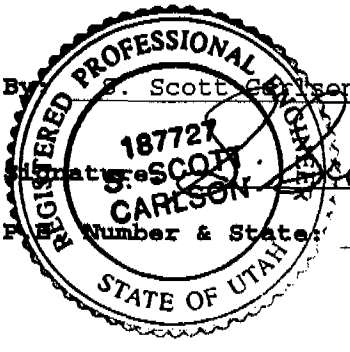
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

I hereby certify that: I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.



By: S. Scott Carlson, P.E. Project Manager

Signature: Scott Carlson Date: 3/24/98

P.E. Number & State: 187727 Utah

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Slurry Pond #1	
Permit Number	ACT/007/035	**Report Date** 3/24/98	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Slurry Pond #1	
	Impoundment Number	N/A	
	UPDES Permit Number	N/A	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	3/24/98
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 1998

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 16.4 acre-feet
Maximum Sediment Depth Elevation = 6537.5
Estimated Existing Sediment Elevation = N/A

3. Principle and emergency spillway elevations.

Top Of Dike Elevation = 6540.8

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Slurry Pond #1	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

A shallow pool exits over approximately 30% of pond bottom.
No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exits.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Slurry Pond is inactive, does not receive slurry from any source
No changes. No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: S. Scott Carlson **Date:** 3/24/98

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Slurry Pond #1	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

Both Slurry Pond #1 and Slurry Pond #2 have been approved to be filled with coal mine waste and excess spoil in connection with construction of the Excess Spoil Disposal Area # 2.

The Clearwater Pond is also part of this disposal area but will continue to function as a sediment pond until such time as it is needed as a disposal site.

When the ponds become reconfigured for use as a disposal site, we will no longer inspect them as impoundments but rather as an excess spoil pile. It is expected that this change will occur in the near future as approved.

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

REGISTERED PROFESSIONAL ENGINEER 187727 S. SCOTT CARLSON STATE OF UTAH

By: S. Scott Carlson - Project Manager
(Full Name and Title)

Signature: S. Scott Carlson **Date:** 3/24/98

P.E. Number & State: 187727 UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Slurry Pond #2	
Permit Number	ACT/007/035	**Report Date** 3/24/98	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Slurry Pond #2	
	Impoundment Number	N/A	
	UPDES Permit Number	N/A	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	3/24/98
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 1998 .

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 15.3 acre-feet
Maximum Sediment Depth Elevation = 6537.5
Estimated Existing Sediment Elevation = N/A

3. Principle and emergency spillway elevations.

Top Of Dike Elevation = 6540.1

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Slurry Pond #2	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

A shallow pool exists over approximately,50% of pond bottom.
No discharge, inlet/outlet conditions are good,
No structural or hazardous conditions exits.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Slurry Pond is inactive, does not receive slurry from any source.
No change,no structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: S. Scott Carlson **Date:** 3/24/98

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	Slurry Pond #2	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

Both Slurry Pond #1 and Slurry Pond #2 have been approved to be filled with coal mine waste and excess spoil in connection with construction of the Excess Spoil Disposal Area # 2.

The Clearwater Pond is also part of this disposal area but will continue to function as a sediment pond until such time as it is needed as a disposal site.

When the ponds become reconfigured for use as a disposal site, we will no longer inspect them as impoundments but rather as an excess spoil pile. It is expected that this change will occur in the near future as approved.

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

REGISTERED PROFESSIONAL ENGINEER 187727 S. SCOTT CARLSON STATE OF UTAH

By: S. Scott Carlson - Project Manager
Full Name and Title

Signature: S. Scott Carlson **Date:** 3/24/98

P.E. Number & State: 187727 - UT

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Coarse Refuse Pile
Permit Number	ACT/007/035	**Report Date 3/24/98**
Mine Name	Sunnyside Cogeneration	
Company Name	Sunnyside Cogeneration Associates	
Excess Spoil Pile or Refuse Pile Identification	**Pile Name:**	Coarse Refuse Pile
	Pile Number	N/A
	MSHA ID Number	1211-UT-09-02093-01
Inspection Date	3/24/98	
Inspected By	Scott Carlson	
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 1998
		Attachments to Report? ☒ No ☐ Yes

Field Evaluation

1. **Foundation preparation, including the removal of all organic material and topsoil.**

   N/A

2. **Placement of underdrains and protective filter systems.**

   N/A

3. **Installation of final surface drainage systems.**

   N/A

4. **Placement and compaction of fill materials.**

   N/A

   Removal of Coarse and fine Refuse Material Only

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE	Coarse Refuse Pile

5. **Final grading and revegetation of fill.**

N/A

6. **Appearances of instability, structural weakness, and other hazardous conditions.**

None

7. **Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.**

Waste Coal Removal
No Smokers Visible

Certification Statement

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: R. Scott [illegible]son - Project Manager
(Full Name and Title)

REGISTERED PROFESSIONAL ENGINEER 187727 SCOTT CARLSON STATE OF UTAH

Signature: Scott Carlson **Date:** 3/24/98

P.E. Number & State: 187727 - UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		East Slurry Cell	
Permit Number	ACT/007/035	**Report Date** 3/24/98	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	East Slurry Cell	
	Impoundment Number	N/A	
	UPDES Permit Number	N/A	
	MSHA ID Number	1211-UT-09-02093-02	

IMPOUNDMENT INSPECTION

Inspection Date	3/24/98
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 1998

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 27+- acre-feet
Maximum Sediment Depth Elevation = N/A
Estimated Existing Sediment Elevation = N/A

3. Principle and emergency spillway elevations.

N/A

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond surface is dry.
No structural or hazardous conditions exits.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Slurry Cell is not receiving slurry from any source, currently functioning as a sediment pond. No structural or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: S. Scott Carlson **Date:** 3/24/98

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	East Slurry Cell	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

REGISTERED PROFESSIONAL ENGINEER 187727 S. SCOTT CARLSON STATE OF UTAH

(Print Name and Title) S. Scott Carlson - Project Manager

Signature: S. Scott Carlson Date: 3/24/98

P.E. Number & State: 187727 - UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		West Cell	
Permit Number	ACT/007/035	**Report Date** 3/24/98	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	West Slurry Cell	
	Impoundment Number	N/A	
	UPDES Permit Number	N/A	
	MSHA ID Number	1211-UT-09-02093-03	

IMPOUNDMENT INSPECTION

Inspection Date	3/24/98
Inspected By	Scott Carlson
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	First Quarter Inspection 1998

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = N/A
Maximum Sediment Depth Elevation = N/A
Estimated Existing Sediment Elevation = N/A

3. Principle and emergency spillway elevations.

N/A

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	West Cell	

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Slurry Cell is Inactive
Refuse Removal
No structural or hazardous conditions exits.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Slurry Cell is not receiving slurry from any source
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: Scott Carlson **Date:** 3/24/98

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT	West Cell	

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT CARLSON
STATE OF UTAH

By: S. Scott Carlson - Project Manager
(Print Name and Title)

Signature: S. Scott Carlson **Date:** 3/24/98

P.E. Number & State: 187727 UT

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE		Excess Spoil Pile	
Permit Number	ACT/007/035	**Report Date 3/24/98**	
Mine Name	Sunnyside Cogeneration		
Company Name	Sunnyside Cogeneration Associates		
Excess Spoil Pile or Refuse Pile Identification	**Pile Name:**	Excess Spoil Disposal Area #1	
	Pile Number	N/A	
	MSHA ID Number	1211-UT-09-02093-04	
Inspection Date	3/24/98		
Inspected By	Scott Carlson		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)		First Quarter Inspection 1998	
		Attachments to Report? ☐ **No** ☒ **Yes**	

Field Evaluation

1. **Foundation preparation, including the removal of all organic material and topsoil.**

   N/A

2. **Placement of underdrains and protective filter systems.**

   N/A

3. **Installation of final surface drainage systems.**

   N/A

4. **Placement and compaction of fill materials.**

   Received Approximately 200 yards of spoils materials during this Quarter.

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE	Excess Spoil Pile	

5. **Final grading and revegetation of fill.**

N/A

6. **Appearances of instability, structural weakness, and other hazardous conditions.**

None

7. **Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.**

Construction is proceeding in shallow lifts in general conformance with the approved plan.

No evidence of fires exits in the pile.

Certification Statement

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

REGISTERED PROFESSIONAL ENGINEER
187727
SCOTT
CARLSON
STATE OF UTAH

By: S. Scott Carlson - Project Manager
(Full Name and Title)

Signature: Scott Carlson **Date:** 3/24/98

P.E. Number & State: 187727 - UT

Excess Spoil Disposal Area
Looking to the North - 3/24/98

Excess Spoil Disposal Area
Looking to the West - 3/24/98

West Cell / Refuse Pile / Active Mining Area
Looking to the East - 3/24/98

Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (801) 888-4476 • (Fax (801) 888-2538

RECEIVED
JAN 28 1998
DIV. OF OIL, GAS & MINING

January 21, 1998

RECEIVED
FEB 12 1998
DIVISION OF OIL
GAS & MINING PRICE UTAH

Daron Haddock
STATE OF UTAH
Division of Oil, Gas & Mining
1594 W. North Temple, Suite 220
Salt Lake City, Utah 84116-3156

Copy for PFO
ACT/007/035

RE: Annual 1997 Inspection Report

Dear Mr. Haddock:

Please find enclosed a copy of the Annual 1997 Inspection Report for Sunnyside Cogeneration Associates' impoundments, refuse pile and excess spoil area. The inspection was performed by a professional engineer from Psomas and Associates Engineering.

Should you have any questions, please contact Rusty Netz at (801)888-4476.

Sincerely,

SUNNYSIDE COGENERATION ASSOCIATES

Harold C. Sallas

Harold C. Sallas
General Manager

Enclosure

c.c. Brian Burnett/Callister, Nebeker and McCullough
Bill Malencik/Division of Oil, Gas & Mining
Doug Burnham/B&W Sunnyside, L.P.
Bob Evans/NRG Sunnyside, Inc.
Rusty Netz/SOA

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT			Page 1 of 3
Permit Number	ACT/007/035	**Report Date** 12/15/97	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Clear Water Pond	
	Impoundment Number	004	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	12/9/97
Inspected By	Jim Comas
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND.

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 4.9 acre-feet
Maximum Sediment Depth Elevation = 6527
Existing Sediment Elevation = 6523+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6530.1

RECEIVED
JAN 28 1998
DIV. OF OIL, GAS & MINING

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Existing Water Elevation <1', no discharge, inlet/outlet conditions are good, no structural or hazardous conditions exits.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes, pond is inactive, 4" of snow exists on pond bottom.
NO structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: _____ **Date:** 12/15/97

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

Cert. Stamp

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT CARLSON
STATE OF UTAH

By: S. Scott Carlson - Project Manager
(Full Name and Title)

Signature: S. Scott Carlson **Date:** 12/16/97

P.E. Number & State: UT 187727

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT			Page 1 of 3
Permit Number	ACT/007/035	**Report Date** 12/15/97	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Railcut Sediment Pond	
	Impoundment Number	007	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	12/9/97
Inspected By	Jim Comas
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND.

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 4.8 acre-feet
Maximum Sediment Depth Elevation = 6207.7
Estimated Existing Sediment Elevation = 6207+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6212.34
Primary Drain Elevation = 6209.07

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

no discharge, inlet/outlet conditions are good,
no structural or hazardous conditions exits.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes, 4" of snow exists on pond bottom.
NO structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: _____ **Date:** 12-15-17

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

CERTIFIED REPORT

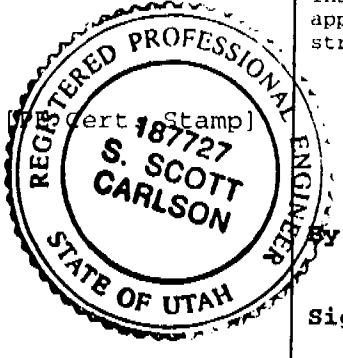
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.



[Cert Stamp]

By: S. Scott CARLSON - Project MANAGER
(Full Name and Title)

Signature: S Scott Carlson Date: 12/16/97

P.E. Number & State: 187727 UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT			Page 1 of 3
Permit Number	ACT/007/035	**Report Date** 12/15/97	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Old Coarse Refuse Road Sediment Pond	
	Impoundment Number	008	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	12/9/97
Inspected By	Jim Comas
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection

1. **Describe any appearance of any instability, structural weakness, or any other hazardous condition.**

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. **Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.**

Storage Capacity = 0.9 acre-feet
Maximum Sediment Depth Elevation = 6394.75
Estimated Existing Sediment Elevation = 6391+-

3. **Principle and emergency spillway elevations.**

Spillway Elevation = 6399.4
Primary Drain Elevation = 6395.75

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

no discharge, inlet/outlet conditions are good,
no structural or hazardous conditions exits.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes, 4" of snow exists on pond bottom.
NO structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: _____ **Date:** 12-15-97

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

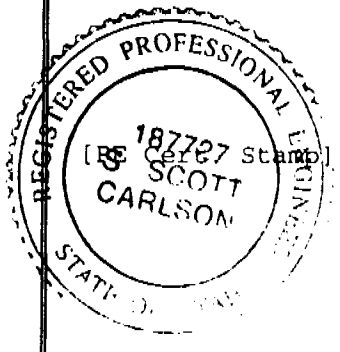
CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:



I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

By: S. Scott CARLSON - Project MANAGER
(Full Name and Title)

Signature: S. Scott Carlson **Date:** 12/16/97

P.E. Number & State: 187727 UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT			Page 1 of 3
Permit Number	ACT/007/035	**Report Date** 12/15/97	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Pasture Sediment Pond	
	Impoundment Number	009	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	12/9/97
Inspected By	Jim Comas
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 1.0 acre-feet
Maximum Sediment Depth Elevation = 6485.5
Estimated Existing Sediment Elevation = 6484+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6490.6
Primary Drain Elevation = 6486.6

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

no discharge, inlet/outlet conditions are good,
no structural or hazardous conditions exits.
Sediment was cleaned out on or about November 5th and 6th

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes, 4" of snow exists on pond bottom.
NO structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: _____ **Date:** 12-15-97

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

CERTIFIED REPORT

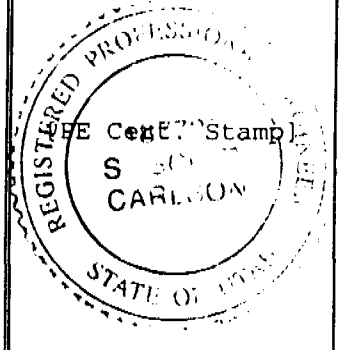
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.



PE Certification Stamp

By: S. Scott CARLSON - Project Manager
(Full Name and Title)

Signature: S Scott Carlson Date: 16 Dec 97

P.E. Number & State: 187727 UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT			Page 1 of 3
Permit Number	ACT/007/035	**Report Date** 12/15/97	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	New Coarse Refuse Toe Sediment Pond	
	Impoundment Number	012	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	12/9/97
Inspected By	Jim Comas
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 1.6 acre-feet
Maximum Sediment Depth Elevation = 6177.0
Estimated Existing Sediment Elevation = 6177+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6183.63
Primary Drain Elevation = 6178.2

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

no discharge, inlet/outlet conditions are good,
no structural or hazardous conditions exits.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes, 4" of snow exists on pond bottom.
NO structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: _____ **Date:** 12-15-97

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

CERTIFIED REPORT

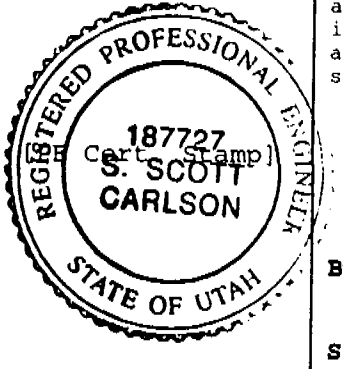
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.



[Cert. Stamp]

By: S. Scott CARLSON - Project Manager
(Full Name and Title)

Signature: S Scott Carlson Date: 16 Dec 97

P.E. Number & State: 187727 - ut

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT			Page 1 of 3
Permit Number	ACT/007/035	**Report Date** 12/15/97	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Coal Runoff Sediment Pond	
	Impoundment Number	014	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	12/9/97
Inspected By	Jim Comas
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 1.5 acre feet
Maximum Sediment Depth Elevation = 6476.0
Estimated Existing Sediment Elevation = 6473.0

3. Principle and emergency spillway elevations.

Spillway Elevation = 6477.9
Emergency Spillway Elevation = 6479.0

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Pond was cleaned out on or about November 5th and 6th.
No discharge, inlet and outlet conditions are good.
no structural or hazardous conditions exits.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes, 3"- 4" of snow cover exits in pond area.
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: _____ **Date:** 12-15-97

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

REGISTERED PROFESSIONAL ENGINEER 187727 S. SCOTT CARLSON STATE OF UTAH

[PE Seal / Stamp]

By: S. Scott CARLSON - Project MANAGER
(Full Name and Title)

Signature: S Scott Carlson Date: 12/16/97

P.E. Number & State: 187727 UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT			Page 1 of 3
Permit Number	ACT/007/035	**Report Date** 12/15/97	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Borrow Area Pond	
	Impoundment Number	016	
	UPDES Permit Number	UT 024759	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	12/9/97
Inspected By	Jim Comas
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 8.3 acre-feet
Maximum Sediment Depth Elevation = 6513.3
Estimated Existing Sediment Elevation = 6511+-

3. Principle and emergency spillway elevations.

Spillway Elevation = 6517.03
Primary Drain Elevation = 6514.3

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

no discharge, inlet/outlet conditions are good,
no structural or hazardous conditions exits.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

No changes, 4" of snow exists on pond bottom.
NO structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: _____ **Date:** 12-15-97

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

CERTIFIED REPORT

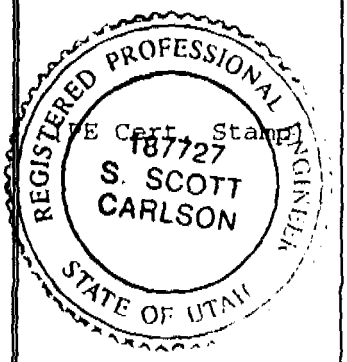
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.



By: S. Scott CARLSON Project MANAGER
(Full Name and Title)

Signature: S Scott Carlson **Date:** 12/16/97

P.E. Number & State: 187727

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT			Page 1 of 3
Permit Number	ACT/007/035	**Report Date** 12/15/97	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Slurry Pond #1	
	Impoundment Number	N/A	
	UPDES Permit Number	N/A	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	12/9/97
Inspected By	Jim Comas
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 16.4 acre-feet
Maximum Sediment Depth Elevation = 6537.5
Estimated Existing Sediment Elevation = N/A

3. Principle and emergency spillway elevations.

Top Of Dike Elevation = 6540.8

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

no discharge, inlet/outlet conditions are good,
no structural or hazardous conditions exits.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Slurry Pond is inactive, does not receive slurry from any source
No changes, 4" of snow exists on pond bottom.
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: _____ **Date:** 1-15-97

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

[PE Cert. Stamp]

By: S. Scott CARLSON - PROJECT MANAGER
(Full Name and Title)

Signature: S Scott Carlson **Date:** 12/16/97

P.E. Number & State: 187727

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT			Page 1 of 3
Permit Number	ACT/007/035	**Report Date** 12/15/97	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	Slurry Pond #2	
	Impoundment Number	N/A	
	UPDES Permit Number	N/A	
	MSHA ID Number	N/A	

IMPOUNDMENT INSPECTION

Inspection Date	12/9/97
Inspected By	Jim Comas
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 15.3 acre-feet
Maximum Sediment Depth Elevation = 6537.5
Estimated Existing Sediment Elevation = N/A

3. Principle and emergency spillway elevations.

Top Of Dike Elevation = 6540.1

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

no discharge, inlet/outlet conditions are good,
no structural or hazardous conditions exits.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Slurry Pond is inactive, does not receive slurry from any source
No changes, 4" of snow exists on pond bottom.
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: _____ **Date:** 12/15/97

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

CERTIFIED REPORT

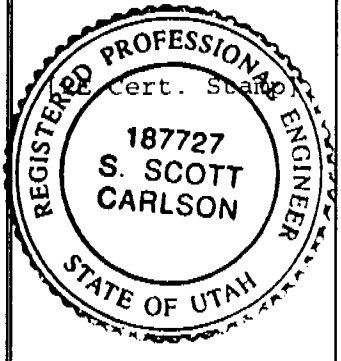
IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.



By: S. Scott CARLSON - Project MANAGER
(Full Name and Title)

Signature: S Scott Carlson **Date:** 12/16/97

P.E. Number & State: 187727 UT

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE			Page 1 of 2
Permit Number	ACT/007/035	**Report Date** 12/15/97	
Mine Name	Sunnyside Cogeneration		
Company Name	Sunnyside Cogeneration Associates		
Excess Spoil Pile or Refuse Pile Identification	**Pile Name: Coarse Refuse Pile**		
	Pile Number	N/A	
	MSHA ID Number	1211-UT-09-02093-01	
Inspection Date	12/9/97		
Inspected By	Jim Comas		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection		
	Attachments to Report? ☒ No ☐ Yes		

Field Evaluation

1. **Foundation preparation, including the removal of all organic material and topsoil.**

   N/A

2. **Placement of underdrains and protective filter systems.**

   N/A

3. **Installation of final surface drainage systems.**

   N/A

4. **Placement and compaction of fill materials.**

   N/A

   Removal of Coarse Refuse Material Only

5. Final grading and revegetation of fill.

N/A

6. Appearances of instability, structural weakness, and other hazardous conditions.

None

7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.

Waste Coal Removal
No Smokers Visible

Certification Statement

REGISTERED PROFESSIONAL ENGINEER
187727
S. SCOTT
CARLSON
STATE OF UTAH

[Certification]

I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott Carlson - Project Manager
(Full Name and Title)

Signature: S. Scott Carlson Date: 12/16/97

P.E. Number & State: 187727 UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT			Page 1 of 3
Permit Number	ACT/007/035	**Report Date** 12/15/97	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	East Slurry Cell	
	Impoundment Number	N/A	
	UPDES Permit Number	N/A	
	MSHA ID Number	1211-UT-09-02093-02	

IMPOUNDMENT INSPECTION

Inspection Date	12/9/97
Inspected By	Jim Comas
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = 27+- acre-feet
Maximum Sediment Depth Elevation = N/A
Estimated Existing Sediment Elevation = N/A

3. Principle and emergency spillway elevations.

N/A

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

no structural or hazardous conditions exits.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Slurry Cell is inactive, does not receive slurry from any source
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: _____ **Date:** 12-15-97

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

[PE Cert. Stamp]

REGISTERED PROFESSIONAL ENGINEER
187727
S SCOTT
CARLSON
STATE OF UTAH

By: S. Scott CARLSON PROJECT MANAGER
(Full Name and Title)

Signature: S Scott Carlson **Date:** 12/16/97

P.E. Number & State: 187727 UT

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT			Page 1 of 3
Permit Number	ACT/007/035	**Report Date** 12/15/97	
Mine Name	SUNNYSIDE COGENERATION		
Company Name	SUNNYSIDE COGENERATION ASSOCIATES		
Impoundment Identification	**Impoundment Name**	West Slurry Cell	
	Impoundment Number	N/A	
	UPDES Permit Number	N/A	
	MSHA ID Number	1211-UT-09-02093-03	

IMPOUNDMENT INSPECTION

Inspection Date	12/9/97
Inspected By	Jim Comas
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection

1. Describe any appearance of any instability, structural weakness, or any other hazardous condition.

NONE

Required for an impoundment which functions as a SEDIMENTATION POND

2. Sediment storage capacity, including elevation of 60% and 100% sediment storage volumes, and, estimated average elevation of existing sediment.

Storage Capacity = N/A
Maximum Sediment Depth Elevation = N/A
Estimated Existing Sediment Elevation = N/A

3. Principle and emergency spillway elevations.

N/A

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

4. Field Information. Provide current water elevation, whether pond is discharging, type and number of samples taken, monitoring/instrumentation information, inlet/outlet conditions, or other related activities associated with the pond including but not limited to sediment cleanout, pond decanting, embankment erosion/repairs, monitoring information, vegetation on outslopes of embankments, etc.

Slurry Cell is Inactive
Refuse Removal
no structural or hazardous conditions exits.

5. Field Evaluation. Describe any changes in the geometry of the impounding structure, average and maximum depths and elevations of impounded water, estimated sediment or slurry volume and remaining storage capacity, estimated volume of water impounded, and any other aspect of the impounding structure affecting its stability or function which has occurred during the reporting period.

Slurry Cell is inactive, does not receive slurry from any source
No structure or stability problems observed.

Qualification Statement

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized under the direction of a Registered Professional Engineer to inspect the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

Signature: _____ **Date:** 12-15-97

IMPOUNDMENT INSPECTION AND CERTIFIED REPORT		Page 1 of 3

CERTIFIED REPORT

IMPOUNDMENT EVALUATION (If NO, explain under Comments)	YES	NO
1. Is impoundment designed and constructed in accordance with the approved plan?	yes	
2. Is impoundment free of instability, structural weakness, or any other hazardous condition?	yes	
3. Has the impoundment met all applicable performance standards and effluent limitations from the previous date of inspection?	yes	

COMMENTS AND OTHER INFORMATION

none

Certification Statement:

I hereby certify that; I am experienced in the construction of impoundments; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of impoundments in accordance with the certified and approved designs for this structure; that the impoundment has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself or under my direction and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability in accordance with the Utah R645 Coal Mining Rules.

REGISTERED PROFESSIONAL ENGINEER
PE Cert. Stamp
187727
S SCOTT CARLSON
STATE OF UTAH

By: S. Scott CARLSON Project MANAGER
(Full Name and Title)

Signature: S Scott Carlson **Date:** 12/16/97

P.E. Number & State: 187727 - UT

INSPECTION AND CERTIFIED REPORT ON EXCESS SPOIL PILE OR REFUSE PILE			Page 1 of 2
Permit Number	ACT/007/035	**Report Date** 12/15/97	
Mine Name	Sunnyside Cogeneration		
Company Name	Sunnyside Cogeneration Associates		
Excess Spoil Pile or Refuse Pile Identification	**Pile Name:**	Excess Spoil Pile	
	Pile Number	N/A	
	MSHA ID Number	1211-UT-09-02093-04	
Inspection Date	12/9/97		
Inspected By	Jim Comas		
Reason for Inspection (Annual, Quarterly or Other Periodic Inspection, Critical Installation, or Completion of Construction)	Annual Inspection		
	Attachments to Report? ☒ No ☐ Yes		

Field Evaluation

1. **Foundation preparation, including the removal of all organic material and topsoil.**

   N/A

2. **Placement of underdrains and protective filter systems.**

   N/A

3. **Installation of final surface drainage systems.**

   N/A

4. **Placement and compaction of fill materials.**

   Total spoils material received for the year is approximately 15,830 yards.

   Received Approximately 120 yards of spoils materials during this quarter.

5. Final grading and revegetation of fill.

N/A

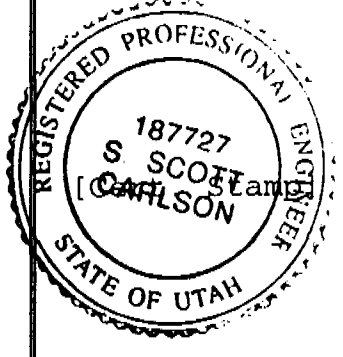
6. Appearances of instability, structural weakness, and other hazardous conditions.

None

7. Other Comments. Describe any changes in the geometry of the Excess Spoil/Refuse Pile structure, instrumentation, average and maximum lifts of materials placed in the pile, elevations of active benches, total and remaining storage capacity of the structure, evidence of fires in the pile and abatement of such fires, volumes of materials placed in the structure during the year, and any other aspect of the structure affecting its stability or function which has occurred during the reporting period.

NONE

Certification Statement



I hereby certify that; I am experienced in the construction of earth and rock fills; I am qualified and authorized in the State of Utah to inspect and certify the condition and appearance of earth and rock fills in accordance with the certified and approved designs for this structure; that the fill structure has been maintained in accordance with approved design and meet or exceed the minimum design requirements under all applicable federal, state and local regulations; and, that inspections and inspection reports are made by myself and include any appearances of instability, structural weakness or other hazardous conditions of the structure affecting stability.

By: S. Scott CARLSON Project MANAGER
(Full Name and Title)

Signature: S Scott Carlson Date: 12/16/97

P.E. Number & State: 187727 Ut