Sunnyside Cogeneration Associates

P.O. Box 10, East Carbon, Utah 84520 • (435) 888-4476 • Fax (435) 888-2538

July 14, 2010

Keith Eagan
Division of Water Quality
288 North 1460 West
Salt Lake City, Utah 84116

RE: Sunnyside Cogeneration Associates
Semi-Annual Monitoring Reports
Ground Water Permit No. UGW070002

Dear Mr. Eagan:

Please find attached the sampling report for the January, February, March, April, May and June semi-annual monitoring period. The monitoring of Ground Water discharge Permit sampling locations was performed on June 9, 2010, in accordance with the Ground Water Quality Sampling Plan for Ground Water Discharge Permit Number UGW070002.

As a result of the June 9, 2010, testing TDS and selenium concentrations were elevated in MW-1 and the selenium concentration was slightly elevated in MW-3.

On July 8, 2010, SCA re-sampled MW-1 and MW-3, in accordance with permit condition II.F.1.a, to verify TDS and selenium concentrations. The selenium concentration from the re-sampling event in MW-3 was well within the permit protection level. The TDS and selenium concentrations in MW-1 were still elevated above permit protection levels, but appear to be trending downward.

SCA believes that the elevated concentrations are attributed to naturally occurring background conditions and are not attributed to SCA's Ash Landfill. SCA addressed this issue in a report submitted to the UDWQ on January 25, 2005. The UDWQ concurred with the findings in the January report and agreed with SCA's future sampling approach.

If you have any questions regarding the sampling activities or this report, please contact Rusty Netz or myself at (435) 888-4476.

Thank You,

Richard Carter
Agent for
Sunnyside Cogeneration Associates

Enclosures:

Table 1:	Ground Water Analysis for the 1st half of 2010
Table 2:	MW-7 Analysis-1st half of 2010
Table 3:	MW-1 and MW-3 Re-sampling Analysis
Attachment A:	Analytical Reports

Cc: Steve Gross
William Rossiter
Maggie Estrada
Paul Shepard
Rusty Netz
Plant File

TABLE 1

Sunnyside Cogeneration Associates Facility

Groundwater Permit # UGW070002 Compliance Sampling
First half 2010
Sampling Date: June 9, 2010

	Field Parameters			Metals(mg/l)							
Sample Location	Temp. (C)	pH (S.U.)	SC (umhos)	Arsenic	Barium	Cadmium	Copper	Lead	Selenium	Silver	Zinc
Permit Background Values	N.A.	N.A.	N.A.	0.0038	0.0787	0.0031	0.012	0.007	0.0063	0.008	0.0624
Permit Protection Levels	N.A.	N.A.	N.A.	0.0125	0.50	0.0039	0.325	0.0088	0.0125	0.025	1.25
Whitmore Springs	15.2	8.5	1675	0.0016	0.028	ND	ND	ND	0.0033	ND	ND
Freshwater Reservoir	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Coal Runoff Basin	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Ash Disposal Runoff Basin	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Well MW-1	12.9	7.38	8510	0.0069	0.017	ND	0.005	ND	0.123	ND	ND
Well MW-2	13.8	7.8	1802	0.0006	0.019	ND	ND	ND	0.0111	ND	ND
Well MW-3	11	7.44	1646	0.0012	0.025	ND	ND	ND	0.0162	ND	ND
Well MW-4	16.4	7.29	2260	0.0011	0.026	ND	ND	0.0007	0.0038	ND	ND

	Inorganics		Cations(mg/l)					Anions(mg/l)				
Sample Locations	TDS (mg/l)	pH (S.U.)	Calcium	Hardness CaCO3	Sodium	Potassium	Magnesium	Chloride	Sulfate	Bicarbonate HCO3	Carbonate CO3	Alkalinity Total
Permit Background Values	1677	8.25	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Permit Protection Levels	3018	6.5-8.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Whitmore Springs	1260	8.3	88.7	613	198	3.9	98.2	34	532	542	6	454
Freshwater Reservoir	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Coal Runoff Basin	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Ash Disposal Runoff Basin	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
Well MW-1	8770	7.6	321	3350	1550	8	618	520	4970	440	ND	361
Well MW-2	416	7.4	93.7	699	219	4.6	113	40	520	665	ND	546
Well MW-3	1160	7.4	90.7	628	191	5.2	97.4	40	470	619	ND	507
Well MW-4	1680	7.2	124	787	290	6.4	116	80	820	590	ND	484

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 limit. were not quantifiable. These results should be considered non-detect.
NW= No water present in basin.
NA= Non-Applicable
BA=Bi-Annually
NS=No Sample Taken
ND-Non Detect

TABLE 2

Sunnyside Cogeneration Associates Facility

Groundwater Permit # UGW070002 Compliance Sampling
MW-7
First half of 2010
Sampling Date: June 9, 2010

	Field Parameters			Metals(mg/l)							
Sample Location	Temp. (C)	pH (S.U.)	SC (umhos)	Arsenic	Barium	Cadmium	Copper	Lead	Selenium	Silver	Zinc
Permit Background Values	N.A.	N.A.	N.A.	0.006	0.19	0.003	0.018	0.01	0.0167	0.0011	0.037
Permit Protection Levels	N.A.	N.A.	N.A.	0.025	1.00	0.0025	0.65	0.0075	0.025	0.05	2.5
MW-7	14	7.4	6460	0.004	0.015	ND	ND	ND	0.0119	ND	ND

	Inorganics		Cations(mg/l)					Anions(mg/l)				
Sample Locations	TDS (mg/l)	pH (S.U.)	Calcium	Hardness CaCO3	Sodium	Potassium	Magnesium	Chloride	Sulfate	Bicarbonate HCO3	Carbonate CO3	Alkalinity
Permit Background Values	4289.8	7.979	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Permit Protection Levels	5363	6.5-8.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
MW-7	5230	7.6	111	747	1530	7.3	114	220	3040	621	11	527

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 limit were not quantifiable. These results should be considered non-detect.
NW= No water present in basin.
NA= Non-Applicable
BA=Bi-Annually
ND=NoN-Detect

TABLE 3

Sunnyside Cogeneration Associates Facility

Groundwater Permit # UGW070002 Compliance Sampling
Re-Sampling event
First half of 2010
Re Sampling Date: July 8, 2010

	Field Parameters			Metals(mg/l)							
Sample Location	Temp. (C)	pH (S.U.)	SC (umhos)	Arsenic	Barium	Cadmium	Copper	Lead	Selenium	Silver	Zinc
Permit Background Values	N.A.	N.A.	N.A.	0.006	0.19	0.003	0.018	0.01	0.0187	0.0011	0.037
Permit Protection Levels	N.A.	N.A.	N.A.	0.025	1.00	0.0025	0.65	0.0076	0.025	0.06	2.5
MW-1	12.8	7.4	8100	**	**	**	**	**	0.0904	**	**
MW-3	14.1	7.37	1663	**	**	**	**	**	0.0113	**	**

	Inorganics		Cations(mg/l)					Anions(mg/l)				
Sample Locations	TDS (mg/l)	pH (S.U.)	Calcium	Hardness CaCO3	Sodium	Potassium	Magnesium	Chloride	Sulfate	Bicarbonate HCO3	Carbonate CO3	Alkalinity Total
Permit Background Values	4289.8	7.979	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Permit Protection Levels	5363	6.5-8.5	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
MW-1	8410	**	**	**	**	**	**	**	**	**	**	**
MW-3	1190	**	**	**	**	**	**	**	**	**	**	**

** Only sampled for parameters that were above the permit protection levels.

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Lab Sample No.: 1004249-06

Name:	Smurfside Cogeneration	**Sample Date:**	6/9/2010 9:45 AM
Sample Site:	WS	**Receipt Date:**	6/10/2010 12:00 PM
Comments:		**Sampler:**	Rusty Netz
Sample Type:	Water	**System No.:**	

Parameter	Sample Result	Minimum Reporting Limit	Units	Analysis Date/Time	Analyst Initials	Analytical Method	Flag
Calculations							
Hardness, Total as CaCO3	613	1	mg/L	6/15/2010 9:45	MJB	SM 2340 B	
Inorganic							
Alkalinity - Bicarbonate	542	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - Carbonate	5.0	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - CO2	398	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - Hydroxide	ND	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - Total (as CaCO3)	454	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Chloride	34	5	mg/L	6/11/2010 17:00	TSM	EPA 300.0	
pH	8.3	0.1	pH Units	6/11/2010 16:00	JSH	SM 4500 H-B	SPH
Sulfate	532	5	mg/L	6/11/2010 17:00	TSM	EPA 300.0	
Total Dissolved Solids (TDS)	1260	10	mg/L	6/11/2010 16:12	JSH	SM 2540 C	
Metals							
Arsenic, Total	0.0016	0.0005	mg/L	6/15/2010 14:23	MJB	EPA 200.8	
Barium, Total	0.028	0.005	mg/L	6/14/2010 15:40	MJB	EPA 200.7	
Calcium, Total	86.7	0.2	mg/L	6/14/2010 15:40	MJB	EPA 200.7	
Cadmium, Total	ND	0.0005	mg/L	6/15/2010 14:23	MJB	EPA 200.8	
Copper, Total	ND	0.005	mg/L	6/14/2010 15:40	MJB	EPA 200.7	
Lead, Total	ND	0.0005	mg/L	6/15/2010 14:23	MJB	EPA 200.8	
Magnesium, Total	96.2	0.2	mg/L	6/14/2010 13:40	MJB	EPA 200.7	
Potassium, Total	3.9	0.2	mg/L	6/14/2010 15:40	MJB	EPA 200.7	
Selenium, Total	0.0033	0.0005	mg/L	6/15/2010 14:23	MJB	EPA 200.8	
Silver, Total	ND	0.0005	mg/L	6/15/2010 14:23	MJB	EPA 200.8	
Sodium, Total	198	0.5	mg/L	6/14/2010 15:40	MJB	EPA 200.7	
Zinc, Total	ND	0.01	mg/L	6/14/2010 15:40	MJB	EPA 200.7	

Abbreviations

ND = Not detected at the corresponding *Minimum Reporting Limit*.
1 mg/L = one milligram per liter or 1 mg/Kg = one milligram per kilogram = 1 part per million.
1 ug/L = one microgram per liter or 1 ug/Kg = one microgram per kilogram = 1 part per billion.
1 ng/L = one nanogram per liter or 1 ng/Kg = one nanogram per kilogram = 1 part per trillion.

Flag Descriptions

SPH = Sample submitted past method specified holding time.

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Lab Sample No.: 1004248-02

Name:	Sunnyside Cogeneration	**Sample Date:**	6/9/2010 8:45 AM
Sample Site:	MW-1	**Receipt Date:**	6/10/2010 12:00 PM
Comments:		**Sampler:**	Rusty Netz
Sample Type:	Wastewater	**System No.:**	

Parameter	Sample Result	Minimum Reporting Limit	Units	Analysis Date/Time	Analyst Initials	Analytical Method	Flag
Calculations							
Hardness, Total as CaCO3	3350	1	mg/L	6/18/2010 9:45	MJB	SM 2340 B	
Inorganic							
Alkalicity - Bicarbonate	440	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - Carbonate	ND	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - CO2	319	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - Hydroxide	ND	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - Total (as CaCO3)	361	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Chloride	520	10	mg/L	6/11/2010 17:00	TSM	EPA 300.0	
pH	7.6	0.1	pH Units	6/11/2010 16:00	JSH	SM 4500 H-B	SPH
Sulfate	4970	50	mg/L	6/16/2010 17:00	TSM	EPA 300.0	
Total Dissolved Solids (TDS)	8770	10	mg/L	6/11/2010 16:04	JSH	SM 2540 C	
Metals							
Arsenic, Total	0.0069	0.0005	mg/L	6/16/2010 14:16	MJB	EPA 200.8	
Barium, Total	0.017	0.005	mg/L	6/17/2010 13:52	MJB	EPA 200.7	
Calcium, Total	321	0.2	mg/L	6/17/2010 13:52	MJB	EPA 200.7	
Cadmium, Total	ND	0.0005	mg/L	6/16/2010 14:16	MJB	EPA 200.8	
Copper, Total	0.005	0.003	mg/L	6/17/2010 13:52	MJB	EPA 200.7	
Lead, Total	ND	0.0005	mg/L	6/16/2010 14:16	MJB	EPA 200.8	
Magnesium, Total	618	0.2	mg/L	6/17/2010 13:52	MJB	EPA 200.7	
Potassium, Total	8.0	0.2	mg/L	6/17/2010 13:52	MJB	EPA 200.7	
Selenium, Total	0.123	0.0005	mg/L	6/16/2010 14:16	MJB	EPA 200.8	
Silver, Total	ND	0.0005	mg/L	6/16/2010 14:16	MJB	EPA 200.8	
Sodium, Total	1530	0.5	mg/L	6/17/2010 13:52	MJB	EPA 200.7	
Zinc, Total	ND	0.01	mg/L	6/17/2010 13:52	MJB	EPA 200.7	

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Lab Sample No.: 1004248-04

Name:	Sunnyside Cogeneration	***Sample Date:***	6/9/2010 9:20 AM
Sample Site:	MW-2	***Receipt Date:***	6/10/2010 12:00 PM
Comments:		***Sampler:***	Rusty Netz
Sample Type:	Wastewater	***System No.:***	

Parameter	Sample Result	Minimum Reporting Limit	Units	Analysis Date/Time	Analyst Initials	Analytical Method	Flag
Calculations							
Hardness, Total as CaCO3	699	1	mg/L	6/18/2010 9:45	MJB	SM 2340 B	
Inorganic							
Alkalinity - Bicarbonate	665	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - Carbonate	ND	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - CO2	485	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - Hydroxide	ND	1.0	mg/L	6/15/2010 9:00	TSM	SM 2320 B	
Alkalinity - Total (as CaCO3)	546	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Chloride	40	10	mg/L	6/11/2010 17:00	TSM	EPA 300.0	
pH	7.4	0.1	pH Units	6/11/2010 16:00	JSH	SM 4500 H-B	SPH
Sulfate	520	10	mg/L	6/11/2010 17:00	TSM	EPA 300.0	
Total Dissolved Solids (TDS)	416	10	mg/L	6/11/2010 16:08	JSH	SM 2540 C	
Metals							
Arsenic, Total	0.0006	0.0003	mg/L	6/16/2010 14:24	MJB	EPA 200.8	
Barium, Total	0.019	0.005	mg/L	6/17/2010 14:14	MJB	EPA 200.7	
Calcium, Total	93.7	0.2	mg/L	6/17/2010 14:14	MJB	EPA 200.7	
Cadmium, Total	ND	0.0005	mg/L	6/16/2010 14:24	MJB	EPA 200.8	
Copper, Total	ND	0.005	mg/L	6/17/2010 14:14	MJB	EPA 200.7	
Lead, Total	ND	0.0005	mg/L	6/16/2010 14:24	MJB	EPA 200.8	
Magnesium, Total	113	0.2	mg/L	6/17/2010 14:14	MJB	EPA 200.7	
Potassium, Total	4.6	0.2	mg/L	6/17/2010 14:14	MJB	EPA 200.7	
Selenium, Total	0.0111	0.0005	mg/L	6/16/2010 14:24	MJB	EPA 200.8	
Silver, Total	ND	0.0005	mg/L	6/16/2010 14:24	MJB	EPA 200.8	
Sodium, Total	219	0.5	mg/L	6/17/2010 14:14	MJB	EPA 200.7	
Zinc, Total	ND	0.01	mg/L	6/17/2010 14:14	MJB	EPA 200.7	

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Lab Sample No.: 1004249-05

Name:	Sunnyside Cogeneration	***Sample Data:***	6/9/2010 9:30 AM
Sample Site:	MW-3	***Receipt Data:***	6/10/2010 12:00 PM
Comments:		***Sampler:***	Rusty Netz
Sample Type:	Wastewater	***System No.:***	

Parameter	Sample Result	Minimum Reporting Limit	Units	Analysis Date/Time	Analyst Initials	Analytical Method	Flag
Calculations							
Hardness, Total as CaCO3	628	1	mg/L	6/18/2010 9:45	MJB	SM 2340 B	
Inorganic							
Alkalinity - Bicarbonate	619	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - Carbonate	ND	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - CO2	450	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - Hydroxide	ND	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - Total (as CaCO3)	507	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Chloride	40	10	mg/L	6/11/2010 17:00	TSM	EPA 300.0	
pH	7.4	0.1	pH Units	6/11/2010 16:00	JSH	SM 4500 H-B	SPH
Sulfate	470	10	mg/L	6/11/2010 17:00	TSM	EPA 300.0	
Total Dissolved Solids (TDS)	1180	10	mg/L	6/11/2010 16:10	JSH	SM 2540 C	
Metals							
Arsenic, Total	0.0012	0.0005	mg/L	6/15/2010 14:20	MJB	EPA 200.8	
Barium, Total	0.025	0.005	mg/L	6/14/2010 15:36	MJB	EPA 200.7	
Calcium, Total	90.7	0.2	mg/L	6/14/2010 15:36	MJB	EPA 200.7	
Cadmium, Total	ND	0.0005	mg/L	6/15/2010 14:20	MJB	EPA 200.8	
Copper, Total	ND	0.005	mg/L	6/14/2010 15:36	MJB	EPA 200.7	
Lead, Total	ND	0.0005	mg/L	6/15/2010 14:20	MJB	EPA 200.8	
Magnesium, Total	97.4	0.2	mg/L	6/14/2010 15:36	MJB	EPA 200.7	
Potassium, Total	5.2	0.2	mg/L	6/14/2010 15:36	MJB	EPA 200.7	
Selenium, Total	0.0162	0.0003	mg/L	6/15/2010 14:20	MJB	EPA 200.8	
Silver, Total	ND	0.0005	mg/L	6/15/2010 14:20	MJB	EPA 200.8	
Sodium, Total	191	0.5	mg/L	6/14/2010 15:36	MJB	EPA 200.7	
Zinc, Total	ND	0.01	mg/L	6/14/2010 15:36	MJB	EPA 200.7	

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Lab Sample No.: 1004249-03

Name:	Sunnyside Cogeneration	**Sample Date:**	6/9/2010 9:15 AM
Sample Site:	MW-4	**Receipt Date:**	6/10/2010 12:00 PM
Comments:		**Sampler:**	Rusty Netz
Sample Type:	Wastewater	**System No.:**	

Parameter	Sample Result	Minimum Reporting Limit	Units	Analysis Date/Time	Analyst Initials	Analytical Method	Flag
Calculations							
Hardness, Total as CaCO3	787	1	mg/L	6/18/2010 9:45	MJB	SM 2340 B	
Inorganic							
Alkalinity - Bicarbonate	590	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - Carbonate	ND	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - CO2	433	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - Hydroxide	ND	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - Total (as CaCO3)	484	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Chloride	80	10	mg/L	6/11/2010 17:00	TSM	EPA 300.0	
pH	7.2	0.1	pH Units	6/11/2010 16:00	JSH	SM 4300 H-B	SPH
Sulfate	820	10	mg/L	6/11/2010 17:00	TSM	EPA 300.0	
Total Dissolved Solids (TDS)	1680	10	mg/L	6/11/2010 16:06	JSH	SM 2540 C	
Metals							
Arsenic, Total	0.0011	0.0005	mg/L	6/16/2010 14:20	MJB	EPA 200.8	
Barium, Total	0.026	0.005	mg/L	6/17/2010 14:10	MJB	EPA 200.7	
Calcium, Total	124	0.2	mg/L	6/17/2010 14:10	MJB	EPA 200.7	
Cadmium, Total	ND	0.0005	mg/L	6/16/2010 14:20	MJB	EPA 200.8	
Copper, Total	ND	0.003	mg/L	6/17/2010 14:10	MJB	EPA 200.7	
Lead, Total	0.0007	0.0005	mg/L	6/16/2010 14:20	MJB	EPA 200.8	
Magnesium, Total	116	0.2	mg/L	6/17/2010 14:10	MJB	EPA 200.7	
Potassium, Total	6.4	0.2	mg/L	6/17/2010 14:10	MJB	EPA 200.7	
Selenium, Total	0.0038	0.0005	mg/L	6/16/2010 14:20	MJB	EPA 200.8	
Silver, Total	ND	0.0005	mg/L	6/16/2010 14:20	MJB	EPA 200.8	
Sodium, Total	290	0.5	mg/L	6/17/2010 14:10	MJB	EPA 200.7	
Zinc, Total	ND	0.01	mg/L	6/17/2010 14:10	MJB	EPA 200.7	

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Certificate of Analysis

Lab Sample No.: 1004249-01

Name: Sunnyside Cogeneration | **Sample Date:** 6/9/2010 8:20 AM

Sample Site: MW-7 | **Receipt Date:** 6/10/2010 12:00 PM

Comments: | **Sampler:** Rusty Netz

Sample Type: Wastewater | **System No.:**

Parameter	Sample Result	Minimum Reporting Limit	Units	Analysis Date/Time	Analyst Initials	Analytical Method	Flag
Calculations							
Hardness, Total as CaCO3	747	1	mg/L	6/18/2010 9:43	MJB	SM 2340 B	
Inorganic							
Alkalinity - Bicarbonate	621	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - Carbonate	11.0	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - CO2	462	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - Hydroxide	ND	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Alkalinity - Total (as CaCO3)	527	1.0	mg/L	6/16/2010 9:00	TSM	SM 2320 B	
Chloride	220	10	mg/L	6/11/2010 17:00	TSM	EPA 300.0	
pH	7.6	0.1	pH Units	6/11/2010 16:00	JSH	SM 4500 H-B	SPH
Sulfate	3040	20	mg/L	6/16/2010 17:00	TSM	EPA 300.0	
Total Dissolved Solids (TDS)	5230	10	mg/L	6/11/2010 12:20	JSH	SM 2540 C	
Metals							
Arsenic, Total	0.0040	0.0005	mg/L	6/16/2010 14:13	MJB	EPA 200.8	
Barium, Total	0.015	0.005	mg/L	6/16/2010 15:02	MJB	EPA 200.7	
Calcium, Total	111	0.2	mg/L	6/16/2010 15:02	MJB	EPA 200.7	
Cadmium, Total	ND	0.0005	mg/L	6/16/2010 14:13	MJB	EPA 200.8	
Copper, Total	ND	0.005	mg/L	6/16/2010 15:02	MJB	EPA 200.7	
Lead, Total	ND	0.0005	mg/L	6/16/2010 14:13	MJB	EPA 200.8	
Magnesium, Total	114	0.2	mg/L	6/16/2010 15:02	MJB	EPA 200.7	
Potassium, Total	7.3	0.2	mg/L	6/16/2010 15:02	MJB	EPA 200.7	
Selenium, Total	0.0119	0.0005	mg/L	6/16/2010 14:13	MJB	EPA 200.8	
Silver, Total	ND	0.0005	mg/L	6/16/2010 14:13	MJB	EPA 200.8	
Sodium, Total	1530	0.5	mg/L	6/16/2010 15:02	MJB	EPA 200.7	
Zinc, Total	ND	0.01	mg/L	6/16/2010 15:02	MJB	EPA 200.7	

6100 South Stratler
Murray, UT 84107
801-262-7299 Office

CHEMTECH - FORD ANALYTICAL LABORATORY

CHAIN OF CUSTODY

COMPANY: SunnySide Cogen
ADDRESS:
CITY/STATE/ZIP: SunnySide Utah
PHONE #: 435-888-4476 FAX:
CONTACT: Rusty Wetz PROJECT:
EMAIL:

BILLING ADDRESS:
BILLING CITY/STATE/ZIP:
PURCHASE ORDER #:

TURNAROUND REQUIRED:*
*Expedited turnaround subject to additional charge

___ Mark "X" here if you want a copy sent to DEQ Division of Drinking Water.

MATRIX: DW = Drinking Water; WW = Wastewater; W = Water; S = Soil; SO = Solid; SL = Sludge; O = Other

Bacteriological: R = Routine; I = Investigative

REPEAT: OR = Original Location; UP = Upstream; DN = Downstream

Lab ID #	SAMPLE LOCATION	SAMPLE DATE	SAMPLE TIME	Drinking Water Only: SAMPLE SOURCE CODE	Drinking Water Only: SAMPLE POINT CODE	Total Coliform + E. coli Present/Absent	Total Coliform + E. coli (Enumerated)	HPC (Plate Count)	E. coli only	WW: Total Coliform + Fecal Coliform	Repeat (Fail #)	SYSTEM #
4249-01	1. MW-7	6-9-10	820									
-02	2. MW-1	6-9-10	845									
-03	3. MW-4	6-9-10	0915									
-04	4. MW-2	6-9-10	0920									
-05	5. MW-3	6-9-10	0930									
-06	6. WS	6-9-10	0945									
	7.											
	8.											
	9.											
	10.											

Sampled by: [print] Rusty Wetz
Sampled by: [signature] Rusty Wetz
ON ICE NOT ON ICE

Special instructions:

Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time
Rusty Wetz	6-9-10 1000		
Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time
			6/10/10 1200
Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time

CHEMTECH-FORD 6100 South Stratler Street (380 West) Murray, UT 84107 Phone: 801-262-7299 FAX: 801-262-7378 www.chemtechford.com

CHEMTECH-FORD LABORATORIES

Sample Receipt Checklist

www.chemtechford.com

Lab ID #: 4249

Delivery Method: (circle one)

(UPS) FedEX USPS

Walk-In Courier Chemtech

Sample(s) sealed: Yes (No)

Appropriate container/preserve: Yes (No)

Temperature 17 C°

	Lab ID #	Bottle Type	Lot # (preservative)	No. of Subsamples	Preserved by client / third party	Preserved in Receiving/Laboratory	Vials submitted with headspace	Sample submitted past hold time	Filtered by client in field
1	01-05	A½	—	1					
2		M	791						
3	06	A½	—	1					
4		N	H_2SO_4		V				
5		M	—			V			
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									

Comments:

06- N extra. No nutrient bottle required. Client should have submitted metals bottle preserved w/ HNO_3 ad 6/10

Bottle Type	
Plastic	**Glass**
A- Plastic Unpreserved	D- 525 ($Na_2S_2O_3$)
B- Miscellaneous Plastic	G- Glass Unpreserved
C- Cyanide Ct (NaOH)	H- HAAs (NH_4Cl)
F- Sulfide Ct (NaOH/Zn Acetate)	J- 608/610/625 (Na_2SO_3)
H- Metals Pint (HNO_3)	O- 08 A Grease (1:1 HCl)
N- Nutrient Pint (H_2SO_4)	P- Phenols (H_2SO_4)
R- Radiological Gallon (HNO_3)	T- TOC/TOX (H_2PO_4)
S- Sludge Cups/Tubs	U- 531 (MCAA, $Na_2S_2O_3$)
Q- Plastic Soils	V- 624/TTO's (Ascorbic Acid)
C- Coliform/Ecoli	W- 8200 (1:1 HCl)
Additional Volumes	X- Vial Unpreserved
Q- quart 1/2pt- half pint	Y- 624/504 ($Na_2S_2O_3$)
P- pint 1/2- half gallon	Z- Miscellaneous Glass

Chemtech-Ford Laboratories

Certificate of Analysis

Lab Sample No.: 1005143-01

Name:	Sundystde Cogeneration	***Sample Date:***	7/8/2010 2:00 PM
Sample Site:	MW-1	***Receipt Date:***	7/9/2010 10:00 AM
Comments:		***Sampler:***	Client
Sample Type:	Water	***System No.:***	

Parameter	Sample Result	Minimum Reporting Limit	Units	Analysis Date/Time	Analyst Initials	Analytical Method	Flag
Inorganic							
Total Dissolved Solids (TDS)	8410	10	mg/L	7/12/2010 12:58	JSH	SM 2540 C	
Metals							
Selenium, Total	0.0904	0.0050	mg/L	7/13/2010 22:34	MJB	EPA 200.8	

6100 South Stroller
Murray, UT 84107
801-262-7299 Office

Chemtech-Ford Laboratories

Certificate of Analysis

Lab Sample No.: 1005143-02

Name:	Sunnyside Cogeneration	**Sample Date:**	7/8/2010 2:30 PM
Sample Site:	MW-3	**Receipt Date:**	7/9/2010 10:00 AM
Comments:		**Sampler:**	Client
Sample Type:	Water	**System No.:**	

Parameter	Sample Result	Minimum Reporting Limit	Units	Analysis Date/Time	Analyst Initials	Analytical Method	Flag
Inorganic							
Total Dissolved Solids (TDS)	1190	10	mg/L	7/12/2010 13:00	JSH	SM 2540 C	
Metals							
Selenium, Total	0.0113	0.0050	mg/L	7/13/2010 22:37	MJB	EPA 200.8	

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit.
1 mg/L = one milligram per liter or 1 mg Kg = one milligram per kilogram = 1 part per million.
1 ug/L = one microgram per liter or 1 ug/Kg = one microgram per kilogram = 1 part per billion.
1 ng/L = one nanogram per liter or 1 ng/Kg = one nanogram per kilogram = 1 part per trillion.

Flag Descriptions

5100 South Stratler
Murray, UT 84107
801-262-7299 Office

CHEMTECH - FORD ANALYTICAL LABORATORY

RUSH

CHAIN OF CUSTODY

COMPANY: Sunnyside Cogen
ADDRESS:
CITY/STATE/ZIP:
PHONE #: FAX:
CONTACT: Rusty Net PROJECT: Ground wtr
EMAIL:

BILLING ADDRESS:
BILLING CITY/STATE/ZIP:
PURCHASE ORDER #:

TURNAROUND REQUIRED:* July 14, 2010
* Expected turnaround subject to additional charge

☐ Mark "X" here if you want a copy sent to DEQ Division of Drinking Water.

MATRIX: DW = Drinking Water; WW = Wastewater; W = Water; S = Soil; SO = Solid; SL = Sludge; O = Other

Bacteriological: R = Routine; I = Investigative; TG = Trigger Source; CO = Confirmation

REPEAT: OR = Original Location; UP = Upstream; DN = Downstream

7/8 ad per Rusty

Lab ID #		SAMPLE LOCATION	SAMPLE DATE	SAMPLE TIME	Drinking Water Only: SAMPLE SOURCE CODE	Drinking Water Only: SAMPLE POINT CODE	Repeat (Fall #)	SYSTEM #
5143-01	1	MW-1	6/8/10	1400				
-02	2	MW-3	6/8/10	1430				
	3.							
	4.							
	5.							
	6.							
	7.							
	8.							
	9.							
	10.							

Ground Wtr. Sample for TDS and Selenium Only

FIELD: Residual Chlorine; Total Coliform + E. coli (Present/Absent); Total Coliform + E. coli (Enumerated); HPC (Plate Count); E. coli only; WW: Total Coliform + Fecal Coliform

Sampled by: [print]

Sampled by: [signature]

ON ICE NOT ON ICE

Special Instructions: Sample dates? Replacement bottles? Emailed Rusty 7/9 ad. Send replacement bottles per Rusty

Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time
Rusty Net	6/18/10 1500	Paula Davis	7.9.10 1000
Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time
Relinquished by: [signature]	Date/Time	Received by: [signature]	Date/Time

CHEMTECH-FORD Laboratories

www.chemtechford.com

CHEMTECH-FORD LABORATORIES

Sample Receipt Checklist

Lab ID #: 5143

Delivery Method: (circle one)

UPS (FedEX) USPS

(Walk-In) Courier Chemtech

40

Sample(s) sealed: Yes (No)

Appropriate containers/preserved: (Yes) No

Temperature 22 C°

Comments:

	Lab ID #	Bottle Type	Lot # (preservative)	No. of Subsample(s)	Preserved by client / field party	Preserved in Receiving/Laboratory	Vials submitted with headspace	Sample submitted past field time	Filtered by client in field
1	01-02	A1/2	—						
2		M	819						
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
25									

Bottle Type

Plastic	Glass
A- Plastic Unpreserved	D- 62S ($Na_2S_2O_3$)
B- Miscellaneous Plastic	G- Glass Unpreserved
C- Cyanide Qt (NaOH)	H- HAAs (NH_4Cl)
F- SulOlis Qt (NaOH/Zn Acetate)	J- 506/515/525 (Na_2SO_3)
M- Metals Pint (HNO_3)	O- Oil A Grease (1:1 HCl)
N- Nutrient Pint (H_2SO_4)	P- Phenols (H_2SO_4)
R- Radiological Option (HNO_3)	T- TOC/TOX (H_2PO_4)
S- Sludge Cups/Tubs	U- 531 (MCAA $Na_2S_2O_3$)
Q- Plastic Bags	V- 624/THMs (Ascorbic Acid)
E- Coliform/Ecoli	W- 8260 (1:1 HCl)
Additional Volumes	X- Vial Unpreserved
Q- quart 1/2pt- half pint	Y- 624/504 ($Na_2S_2O_3$)
P- pint 1/2- half gallon	Z- Miscellaneous Other