

Keith



Sunnyside Cogeneration Associates

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February 20, 2012

Keith Eagan
Division of Water Quality
195 North 1950 West
Salt Lake City, Utah 84116



RE: Sunnyside Cogeneration Associates
MW-1 Re-Sampling Monitoring Report
Ground Water Permit No. UGW070002

Dear Mr. Eagan:

On December 15, 2011, SCA sampled all monitoring wells in accordance with the Ground Water Quality Sampling Plan for Ground Water Discharge Permit Number UGW070002.

As a result of the December 15, 2011 testing, TDS and selenium concentrations were elevated in MW-1.

SCA re-sampled MW-1 on January 31, 2012, in accordance with permit condition II.F.1.a, to verify the TDS and selenium concentrations. Those parameters were still above permit protection levels. Those results are included with this report.

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.

Document Date 2/20/2012

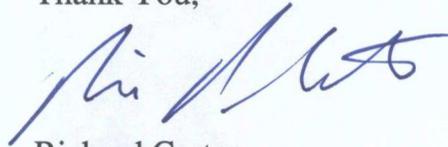


DWQ-2012-001247

DW

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: MW-1 Re-Sampling Event
Attachment A: Analytical Report

Cc: Steve Gross
Maggie Estrada
Rusty Netz
Plant File

TABLE 1

Sunnyside Cogeneration Associates Facility

Groundwater Permit # UGW070002 Compliance Sampling
 Re-Sampling event
 Second half of 2011
 Re Sampling Date: January 31, 2012

Sample Location	Field Parameters			Metals(mg/l)							
	Temp. (C)	pH (S.U.)	SC (umhos)	Arsenic	Barium	Cadmium	Copper	Lead	Selenium	Silver	Zinc
Permit Background Values	N.A.	N.A.	N.A.	0.0036	0.0767	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
MW-1	11.3	7.2	7140	0.0078	0.014	ND	ND	ND	0.0976	ND	ND

Sample Locations	Inorganics		Cations(mg/l)					Anions(mg/l)				Alkalinity Total
	TDS (mg/l)	pH (S.U.)	Calcium	Hardness CaCO3	Sodium	Potassium	Magnesium	Chloride	Sulfate	Bicarbonate HCO3	Carbonate CO3	
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.
MW-1	9180	7.3	375	3510	1510	7.6	624	480	5200	477	ND	392

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

Attachment 1



Certificate of Analysis

Lab Sample No.: 1200783-01

Name: Sunnyside Cogeneration	Sample Date: 1/31/2012 11:00 AM
Sample Site: MW-1	Receipt Date: 2/1/2012 11:00 AM
Comments:	Sampler: Sunnyside Cogen
Sample Matrix: Wastewater	Project:

Parameter	Sample Result	Minimum Reporting Limit	Units	Analysis Date/Time	Analyst Initials	Analytical Method	CAS No.	Flag
Calculations								
Hardness, Total as CaCO3	3510	1	mg/L	2/15/2012 16:00	MJB	SM 2340 B	471-34-1	
Inorganic								
Alkalinity - Bicarbonate (HCO3)	477	1.0	mg/L	2/13/2012 14:30	TSM	SM 2320 B	71-52-3	
Alkalinity - Carbonate (CO3)	ND	1.0	mg/L	2/13/2012 14:30	TSM	SM 2320 B	3812-32-6	
Alkalinity - CO2	372	1.0	mg/L	2/13/2012 14:30	TSM	SM 2320 B	124-38-9	
Alkalinity - Hydroxide (OH)	ND	1.0	mg/L	2/13/2012 14:30	TSM	SM 2320 B	14280-30-9	
Alkalinity - Total (as CaCO3)	392	1.0	mg/L	2/13/2012 14:30	TSM	SM 2320 B	CTFID10279	
Chloride	480	10	mg/L	2/14/2012 12:18	TSM	EPA 300.0	16887-00-6	
pH	7.3	0.1	pH Units	2/1/2012 16:00	JSH	SM 4500 H-B	CTFID10187	SPH
Sulfate	5200	100	mg/L	2/14/2012 12:18	TSM	EPA 300.0	14808-79-8	QM-4X
Total Dissolved Solids (TDS)	9180	10	mg/L	2/6/2012 9:12	JSH	SM 2540 C	CTFID10226	
Metals								
Arsenic, Total	0.0078	0.0005	mg/L	2/3/2012 15:06	MJB	EPA 200.8	7440-38-2	
Barium, Total	0.014	0.005	mg/L	2/9/2012 16:05	PNM	EPA 200.7	7440-39-3	
Calcium, Total	375	0.2	mg/L	2/9/2012 16:05	PNM	EPA 200.7	7440-43-9	
Cadmium, Total	ND	0.0005	mg/L	2/3/2012 15:06	MJB	EPA 200.8	7440-43-9	
Copper, Total	ND	0.005	mg/L	2/9/2012 16:05	PNM	EPA 200.7	7440-50-8	
Lead, Total	ND	0.0005	mg/L	2/3/2012 15:06	MJB	EPA 200.8	7439-92-1	
Magnesium, Total	624	0.2	mg/L	2/9/2012 16:05	PNM	EPA 200.7	7439-95-4	
Potassium, Total	7.6	0.5	mg/L	2/9/2012 16:05	PNM	EPA 200.7	7440-09-7	
Selenium, Total	0.0976	0.0005	mg/L	2/3/2012 15:06	MJB	EPA 200.8	7782-49-2	
Silver, Total	ND	0.0005	mg/L	2/3/2012 15:06	MJB	EPA 200.8	7440-22-4	
Sodium, Total	1510	0.5	mg/L	2/9/2012 16:05	PNM	EPA 200.7	7440-23-5	
Zinc, Total	ND	0.01	mg/L	2/9/2012 16:05	PNM	EPA 200.7	7440-66-6	



CHEMTECH-FORD
LABORATORIES

Certificate of Analysis

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.

QM-4X = The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

