



Sunnyside Operations Associates L.P.

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

February 20, 2019

Allan Moore
Solid Waste Program Manager
195 North 1950 West
Salt Lake City, Utah 84116

RE: Sunnyside Cogeneration Associates (SCA)
SCA #2 Ash Landfill
CCR Re-Sampling Ground Water Report

Dear Mr. Moore:

Please find attached SCA's CCR Ground Water Report. Monitoring well MW-8 was re-sampled on February 7, 2019, in accordance with Federal regulations under 40CFR 257 and State regulations under R315-319.

MW-8 was re-sampled on February 7, 2019, due to previous results being slightly above the established permit protection levels for boron and calcium. SCA will re-sample MW-8 to determine if boron and calcium are still elevated.

The results, from the re-sampling event, for boron and calcium were well below the permit protection limits. SCA will continue with its normal sample schedule.

Enclosures:

Table 1:

Table 2:

CCR MW-8 Re-sampling event Analysis

CCR MW-8 Monitoring Well Parameters

SCA #2 Ash Landfill
CCR Re-Sampling Ground Water Report
Page 2:

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

Thank You,

A handwritten signature in black ink, appearing to read "Gerald Hascall". The signature is written in a cursive style with a large, sweeping initial "G".

Gerald Hascall
Agent for
Sunnyside Cogeneration Associates

Cc: Rusty Netz
Plant File

TABLE 1

Sunnyside Cogeneration Associates Facility SCA #2 CCR Ash Landfill Groundwater Compliance Sampling

Re-sample Event

Sampling Date: February 7, 2019

Sample Location	Field Parameters				Metals (mg/l)					
	Temp. (C)	pH (S.U.)	SC (umhos)	Boron	Calcium	Chloride	Fluoride	pH	Sulfate	TDS
Permit Background Values	N.A.	N.A.	N.A.	0.35	422	251	0.6	7.2	6743	11013
Permit Protection Levels	N.A.	N.A.	N.A.	0.46	510.70	394.2	1.42	7.98	7988	12659
MW-8	12.8	7.86	8613	0.23	231	NA	NA	NA	NA	NA

NW= No water present in well
 NA= Non-Applicable
 ND=Non-Detect

TABLE 2

Sunnyside Cogeneration Associates Facility SCA #2 CCR Ash Landfill Groundwater Compliance Sampling Re-Sample Event

Date: February 7, 2019
 GROUND WATER WELLS:
 Casing Diameter (inches) 2
 Casing Type: PVC

LOCATION	Monitoring Well	Personnel	Weather	Static Water Level (ft.)	Total Well Depth (ft.)	Calculated Purge Volume (gals.)	Purge Method	Purge Volume (gals.)	Field Parameters		
									Temp. (C)	pH (su)	SC (um)
SCA #2 Ash Landfill	MW-8	R. Netz	snowing	14.3	50.0	17.0	PUMP	16.0	12.8	7.86	8,613

Purge volume (gallons) = ((well depth-static water level)/25) x (casing dia.)² x 3
 NW- NO Water Present in well
 NS=No Sample Taken



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Certificate of Analysis

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

PO#:
Receipt: 2/8/19 12:15 @ 10.5 °C
Date Reported: 2/19/2019
Project Name: CCR Testing

Sample ID: MW-8

Matrix: Water

Lab ID: 19B0369-01

Date Sampled: 2/7/19 9:00

Sampled By: Client

	<u>Result</u>	<u>Units</u>	<u>Minimum Reporting Limit</u>	<u>Method</u>	<u>Preparation Date/Time</u>	<u>Analysis Date/Time</u>	<u>Flag(s)</u>
Metals							
Boron, Total	0.23	mg/L	0.05	EPA 200.7	2/12/19	2/13/19	
Calcium, Total	231	mg/L	0.2	EPA 200.7	2/12/19	2/13/19	



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Date Reported: 2/19/2019
Project Name: CCR Testing

Report Footnotes

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit (MRL).

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.

DRINKING WATER SAMPLES ONLY

ANALYTICAL LABORATORY

CHAIN OF CUSTODY

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

FAX: _____
 PROJECT: CCR testing



CHEMTECH-FORD

TURNAROUND TIME REQUIRED: _____

* Expedited turnaround subject to additional charge

Send to State	
Yes	No

TESTS REQUESTED										Bacteria					
Test for boron Calcium only										Total Coliform + E. coli (Present/Absent)	Total Coliform + E. coli (Enumerated)	HPC (Plate Count)	R = Routine I = Investigative TR = Trigger Source RP = Repeat		
													REPEAT OR = Original Location UP = Upstream DN = Downstream		

CLIENT SAMPLE INFORMATION				
DATE	TIME	FACILITY ID (source code)	POINT CODE (DBP)	Field: Residual Chlorine
2/7/19	900	SCA		

Sampled by: [signature]

ON ICE NOT ON ICE Temp (C°): 10.9

Samples received outside the EPA recommended temperature range of 0-6 C° may be rejected.

2	Date/Time	3/7/19 1200	Received by: [signature]	3/7/19 12:19
	Date/Time		Received by: [signature]	Date/Time
	Date/Time		Received by: [signature]	Date/Time

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 7744 1532 6100

Payment Terms are net 30 days OAC 1.5% interest charge per month (18% per annum). Client agrees to pay collection costs and attorney's fees.

203109 _____

CHEMTECH FORD LABORATORIES

Sample Receipt



CHEMTECH-FORD
LABORATORIES

Courier
Courier

Receiving Temperature 10.9°C

Chemtech Lot # or Preservative	Number of Subsamples	Preserved by Client/Third Party	Preserved in Receiving/Laboratory	Filtered In Field by Client	Misc Volume (oz/ml)	Comments
091						

Sample Condition
(check if yes)

- Custody Seals
- Containers Intact
- COC/Labels Agree
- Preservation Confirmed
- Received on Ice
- Correct Container(s)
- Sufficient Sample Volume
- Headspace Present (VOC)
- Temperature Blank
- Received within Holding Time

Plastic Containers

- A- Plastic Unpreserved
- B- Miscellaneous Plastic
- C- Cyanide Qt (NaOH)
- E- Coliform/Ecoli/HPC
- F- Sulfide Qt (Zn Acetate)
- L- Mercury 1631
- M- Metals Pint (HNO3)
- N- Nutrient Pint (H2SO4)
- R- Radiological (HNO3)
- S- Sludge Cups/Tubs
- Q- Plastic Bag

Glass Containers

- D- 625 (Na2S2O3)
- G- Glass Unpreserved
- H- HAAs (NH4Cl)
- J- 508/515/525 (Na2SO3)
- K- 515.3 Herbicides
- O- Oil & Grease (HCl)
- P- Phenols (H2SO4)
- T- TOC/TOX (H3PO4)
- U- 531 (MCAA, Na2S2O3)
- V- 524/THMs (Ascorbic Acid)
- W- 8260 VOC (1:1 HCl)
- X- Vial Unpreserved
- Y- 624/504 (Na2S2O3)
- Z- Miscellaneous Glass