



Sunnyside Cogeneration Associates

P.O. Box 159 • Sunnyside, Utah 84539 • (435) 888-4476 • Fax (435) 888-2538

January 14, 2025

Brian Speer
Solid Waste Program Manager
195 North 1950 West
Salt Lake City, Utah 84116

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

Dear Mr. Speer:

Please find attached SCA's CCR Annual Ground Water Report. Monitoring wells MW-8, MW-9, MW-10 and MW-11, were sampled on May 14, 2024 and November 25, 2024, in accordance with Federal regulations under 40CFR 257 and State regulations under R315-319.

Water samples were collected at MW-8 only, since MW-9, MW-10 and MW-11 were dry wells. MW-8 sampling results were well within permit protection limits for both sampling events.

SCA will post this annual report on its CCR web site.

Enclosures:

Table 1:

CCR Ground Water Analysis for year 2024

Table 2:

CCR Monitoring Well Parameters for year 2024

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

Thank You,

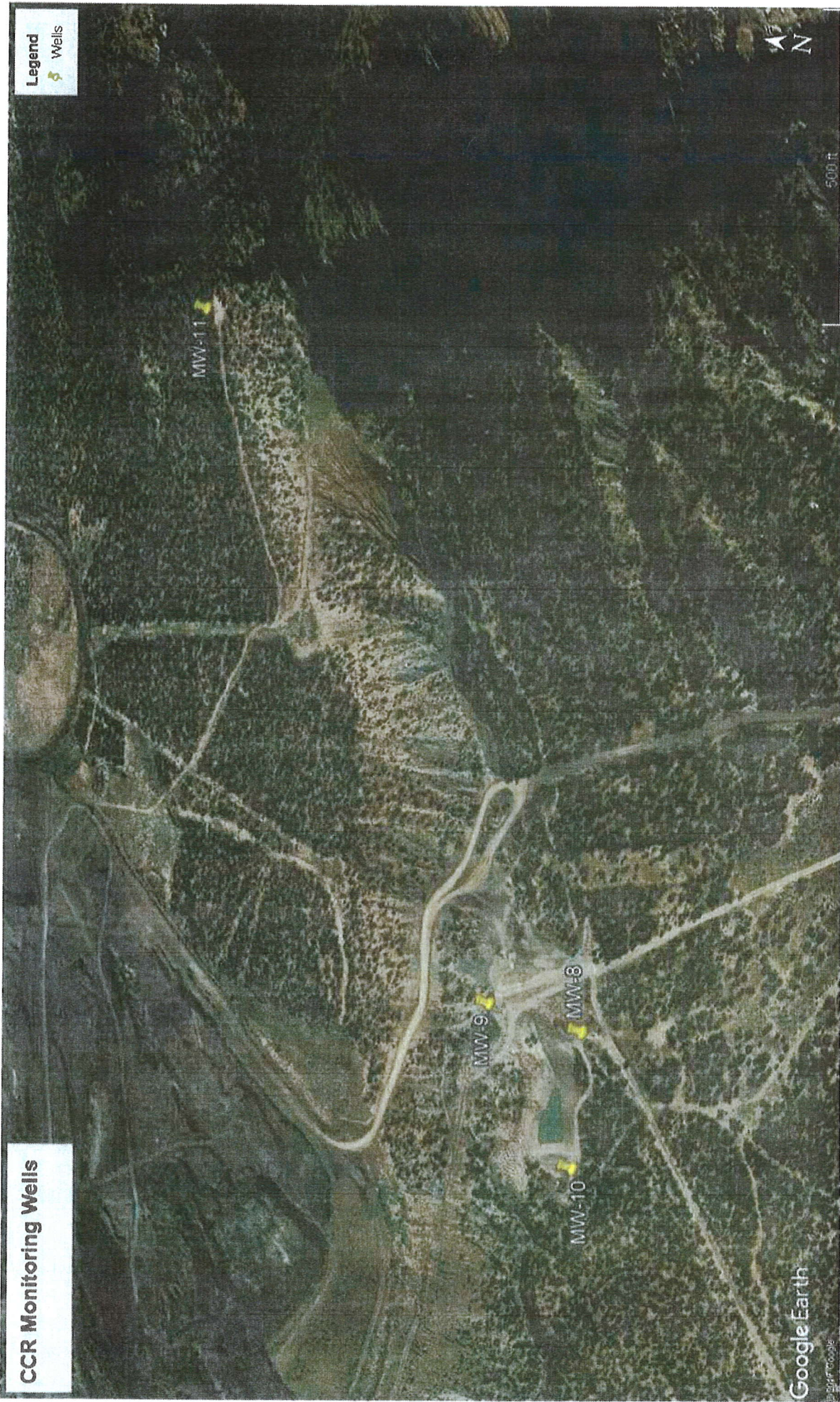
Michael Mosley

Michael Mosley
Agent for
Sunnyside Cogeneration Associates

Cc: Rusty Netz
Plant File

CCR Monitoring Wells

Legend
Wells



Google Earth

© 2014 Google

500 ft

TABLE 1

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

First half of 2024
Sampling Date: 5/14/24

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	16.3	7.47	1040	0.29	322	229	0.352	7.1	6280	9460
MW-9	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
MW-10	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
MW-11	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW

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
First Half 2024

Date:	May 14, 2024
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	Clear	18.2	50.0	15.2	PUMP	15.0	16.3	7.47	1040
SCA #2 Ash Landfill	MW-9	R. Netz	Clear	NW	50.0	NW	NW	NW	NW	NW	NW
SCA #2 Ash Landfill	MW-10	R. Netz	Clear	NW	50.0	NW	NW	NW	NW	NW	NW
SCA #2 Ash Landfill	MW-11	R. Netz	Clear	NW	65.0	NW	NW	NW	NW	NW	NW

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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Sandy, UT 84070
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Certificate of Analysis

Sunnyside Cogeneration
Rusty Netz
PO Box 10
East Carbon, UT 84520

PO#:

Receipt: 5/15/24 12:45 @ 12.3 °C

Date Reported: 5/22/2024

Project Name: CCR Ground Wtr

Sample ID: MW-8

Matrix: Water

Date Sampled: 5/14/24 10:40

Sampled By: Client

Lab ID: 24E1170-01

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	229	mg/L	20.0	EPA 300.0	5/17/24	5/18/24	
Fluoride	0.352	mg/L	0.100	EPA 300.0	5/20/24	5/20/24	
pH	7.1	pH Units	0.1	SM 4500 H-B	5/15/24 14:02	5/15/24 15:04	SPH
Sulfate	6280	mg/L	20.0	EPA 300.0	5/17/24	5/18/24	
Total Dissolved Solids (TDS)	9460	mg/L	100	SM 2540 C	5/16/24	5/16/24	
Metals							
Boron, Total	0.29	mg/L	0.05	EPA 200.7/200.2	5/20/24	5/20/24	
Calcium, Total	322	mg/L	0.2	EPA 200.7/200.2	5/20/24	5/20/24	

Project Name: CCR Ground Wtr

CIF WO#: 24E1170

www.ChemtechFord.com

COMPANY: SCA
ADDRESS: Sunnyside Cogeneration
CITY/STATE/ZIP:
PHONE #: 485-636-6806
CONTACT: Rusty Neri
PROJECT: C.C.R. Ground
EMAIL: Rusty.Neri@SCA.com



CHEMTECH-FORD
LABORATORIES

TURNAROUND REQUIRED:¹

* Expected income and a deposit for additional charges

Lab Use Only		CLIENT SAMPLE INFORMATION					pull Pump 125K1	
		LOCATION / IDENTIFICATION	DATE	TIME	MATRIX	Field Method		
01	1	MW-8	5/14/24	1040				
	2							
	3							
	4							
	5							
	6							
	7							
	8							
	9							
	10							
Sampled by (print)		Received by (signature)						
Special instructions		AG 1248 M-1325 <u>Sample Receipt Conditions:</u> ☐ Kimberly Smith Present ☒ Container Sealed ☒ VOC and Labels Match ☒ Received on Ice ☒ Correct Containers ☒ COC Initialed ☒ COC Completed ☒ Sufficient Sample Volume ☐ Headspace Present (VOC) ☐ Temperature Blank ☐ Received within 14 d Checked by: <u>WJ</u>						
# no tests on COC <i>R. May</i>		ON ICE NOT ON ICE Temp (C): <u>12.3</u> Samples received outside the EPA recommended temperature range of 0-6 C may be rejected.						
Released by (signature) Extinguished by (signature) Extinguished by (signature)		Date/Time <u>5/14/24 1040</u> Date/Time		Received by (signature) Received by (signature) Received by (signature)			Date/Time <u>5-15-24 1245</u> Date/Time	
CH2M HILL		801.262.7275 PHONE						

Payment Terms are net 30 days OAC 155:10-1-1. Client agrees to pay collection costs and attorney's fees.

TABLE 1

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

Second half of 2024
Sampling Date: 11/25/24

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	11.6	7.31	8517	0.25	274	225	0.274	7.2	5870	9340
MW-9	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
MW-10	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW
MW-11	NW	NW	NW	NW	NW	NW	NW	NW	NW	NW

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
Second Half 2024

Date:	November 25, 2024
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	Clear/cold	17.8	50.0	15.4	PUMP	15.0	11.6	7.31	8517
SCA #2 Ash Landfill	MW-9	R. Netz	Clear/cold	NW	50.0	NW	NW	NW	NW	NW	NW
SCA #2 Ash Landfill	MW-10	R. Netz	Clear/cold	NW	50.0	NW	NW	NW	NW	NW	NW
SCA #2 Ash Landfill	MW-11	R. Netz	Clear/cold	NW	65.0	NW	NW	NW	NW	NW	NW

Purge volume (gallons) = ((well depth-static water level)/25) x (casing dia.)2 x3
NW- NO Water Present in well
NS=No Sample Taken



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Certificate of Analysis

Sunnyside Cogeneration
Rusty Netz
PO Box 10
East Carbon, UT 84520

PO#: _____
Receipt: 12/2/24 15:45 @ 11.1 °C
Date Reported: 12/11/2024
Project Name: CCR Landfill Ground Water

Sample ID: MW -8

Matrix: Water

Date Sampled: 11/25/24 10:40

Sampled By: Client

Lab ID: 24L0065-01

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	225	mg/L	1.00	EPA 300.0	12/5/24	12/5/24	
Fluoride	0.274	mg/L	0.100	EPA 300.0	12/5/24	12/5/24	
pH	7.2	pH Units	0.1	SM 4500 H-B	12/2/24 17:13	12/2/24 17:52	SPH
Sulfate	5870	mg/L	100	EPA 300.0	12/6/24	12/6/24	
Total Dissolved Solids (TDS)	9340	mg/L	50	SM 2540 C	12/2/24	12/2/24	
Metals							
Boron, Total	ND	mg/L	0.25	EPA 200.7/200.2	12/3/24	12/3/24	
Calcium, Total	274	mg/L	1.0	EPA 200.7/200.2	12/3/24	12/3/24	

