



2875 Third Street SW
Underwood, North Dakota 58576
701.207.9988
rainbowenergycenter.com

July 28, 2025

Mr. James Semerad
Director, Division of Air Quality
North Dakota Department of Environmental Quality
4201 Normandy Street 2nd Fl
Bismarck, ND 58503-1324

RE: Coal Creek Station (CCS) MATS 2nd Quarter Compliance Report for 2025

Dear Mr. Semerad:

Enclosed is the CCS MATS 2nd Quarter Compliance Report for 2025. This report covers the period from April 1, 2025, through June 30, 2025. This report has been uploaded to the state using the CERIS website and to EPA using the MATS Data Submission function within ECMPS.

If you have any questions, or need additional information, please contact Todd Peterson at 701-207-8985.

Sincerely,

RAINBOW ENERGY CENTER

Ethan Vaagene
Director of Plant Operations

A handwritten signature in blue ink that reads "Ethan Vaagene".

P: Environmental\\$\CCS\Air\2025

2 0

2 1 6030
 2.2 Coal Creek Station
 2.3 110071160513
 2 4 63
 2 5 UUUUU
 2 6 2025
 2.7 1
 2 8 Optional Comment

3 0

3 1 PM
 3 2 Unit 2
 3 3 U2-Q1-2024-001
 3.4 2/16/2024 0755
 3 5 2/16/2024 1515
 3 6 On Schedule
 3 7 N
 3 8 N/A
 3.9 M5
 3 10 0 03 lb/mmBtu
 3 11 0 0072
 3 12 Y
 3 13 0 015 lb/mmBtu
 3 14 Ongoing LEE qualification test
 4 0 N/A

5 0

5 1	1	2	3
5 2	2/16/2024 0755	2/16/2024 1030	2/16/2024 1305
5 3	2/16/2024 1015	2/16/2024 1240	2/16/2024 1515
5 4	7 899 mg/DSCM	8 296 mg/DSCM	10 279 mg/DSCM
5 5	0 0065 lb/mmBtu	0 0067 lb/mmBtu	0 0083 lb/mmBtu
5.6	N/A	N/A	N/A
5 7	120	130	130
5 8	77.970 dcf	81 170 dcf	80 701 dcf

6 0

6 1	CO2%	CO2%	CO2%
6.2	Unit 1	Unit 1	Unit 1
6 3	14 6	14.7	14 8
6 1	F-factor	F-factor	F-factor
6 2	Unit 2	Unit 2	Unit 2
6 3	1910	1910	1910

7 0

7.1	Isokinetic Rate%	Isokinetic Rate%	Isokinetic Rate%
7 2	101 4	100.9	100 8
7 3	Pass	Pass	Pass

8 0

8 1 Hg lb/TBtu
 8 2 1
 8 3 CCS_SITE

9 0

9 1	9 2	9 3	9 4	9 5	9.6	9 7
CCS_SITE	1	Hg	4/1/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/2/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/3/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/4/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/5/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/6/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/7/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/8/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/9/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/10/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/11/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/12/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/13/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/14/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/15/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/16/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/17/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/18/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/19/2025	30 Day Avg	lb/TBtu	3 462
CCS_SITE	1	Hg	4/20/2025	30 Day Avg	lb/TBtu	3 424
CCS_SITE	1	Hg	4/21/2025	30 Day Avg	lb/TBtu	3 416
CCS_SITE	1	Hg	4/22/2025	30 Day Avg	lb/TBtu	3 304
CCS_SITE	1	Hg	4/23/2025	30 Day Avg	lb/TBtu	3 254
CCS_SITE	1	Hg	4/24/2025	30 Day Avg	lb/TBtu	3 235
CCS_SITE	1	Hg	4/25/2025	30 Day Avg	lb/TBtu	0
CCS_SITE	1	Hg	4/26/2025	30 Day Avg	lb/TBtu	0
CCS_SITE	1	Hg	4/27/2025	30 Day Avg	lb/TBtu	0
CCS_SITE	1	Hg	4/28/2025	30 Day Avg	lb/TBtu	0
CCS_SITE	1	Hg	4/29/2025	30 Day Avg	lb/TBtu	3 198
CCS_SITE	1	Hg	4/30/2025	30 Day Avg	lb/TBtu	0
CCS_SITE	1	Hg	5/1/2025	30 Day Avg	lb/TBtu	3 193
CCS_SITE	1	Hg	5/2/2025	30 Day Avg	lb/TBtu	0
CCS_SITE	1	Hg	5/3/2025	30 Day Avg	lb/TBtu	0
CCS_SITE	1	Hg	5/4/2025	30 Day Avg	lb/TBtu	0
CCS_SITE	1	Hg	5/5/2025	30 Day Avg	lb/TBtu	3 212
CCS_SITE	1	Hg	5/6/2025	30 Day Avg	lb/TBtu	0
CCS_SITE	1	Hg	5/7/2025	30 Day Avg	lb/TBtu	3 225
CCS_SITE	1	Hg	5/8/2025	30 Day Avg	lb/TBtu	0
CCS_SITE	1	Hg	5/9/2025	30 Day Avg	lb/TBtu	3 252

CCS_SITE	1	Hg	5/10/2025	30 Day Avg	lb/TBtu	3 266
CCS_SITE	1	Hg	5/11/2025	30 Day Avg	lb/TBtu	3 266
CCS_SITE	1	Hg	5/12/2025	30 Day Avg	lb/TBtu	3 274
CCS_SITE	1	Hg	5/13/2025	30 Day Avg	lb/TBtu	3 28
CCS_SITE	1	Hg	5/14/2025	30 Day Avg	lb/TBtu	3 301
CCS_SITE	1	Hg	5/15/2025	30 Day Avg	lb/TBtu	3 312
CCS_SITE	1	Hg	5/16/2025	30 Day Avg	lb/TBtu	3 315
CCS_SITE	1	Hg	5/17/2025	30 Day Avg	lb/TBtu	3 322
CCS_SITE	1	Hg	5/18/2025	30 Day Avg	lb/TBtu	3 306
CCS_SITE	1	Hg	5/19/2025	30 Day Avg	lb/TBtu	3 302
CCS_SITE	1	Hg	5/20/2025	30 Day Avg	lb/TBtu	3 316
CCS_SITE	1	Hg	5/21/2025	30 Day Avg	lb/TBtu	3 312
CCS_SITE	1	Hg	5/22/2025	30 Day Avg	lb/TBtu	3 304
CCS_SITE	1	Hg	5/23/2025	30 Day Avg	lb/TBtu	3 299
CCS_SITE	1	Hg	5/24/2025	30 Day Avg	lb/TBtu	3 309
CCS_SITE	1	Hg	5/25/2025	30 Day Avg	lb/TBtu	3 346
CCS_SITE	1	Hg	5/26/2025	30 Day Avg	lb/TBtu	3 381
CCS_SITE	1	Hg	5/27/2025	30 Day Avg	lb/TBtu	3 41
CCS_SITE	1	Hg	5/28/2025	30 Day Avg	lb/TBtu	3 424
CCS_SITE	1	Hg	5/29/2025	30 Day Avg	lb/TBtu	3 465
CCS_SITE	1	Hg	5/30/2025	30 Day Avg	lb/TBtu	3 504
CCS_SITE	1	Hg	5/31/2025	30 Day Avg	lb/TBtu	3 564
CCS_SITE	1	Hg	6/1/2025	30 Day Avg	lb/TBtu	3 631
CCS_SITE	1	Hg	6/2/2025	30 Day Avg	lb/TBtu	3 692
CCS_SITE	1	Hg	6/3/2025	30 Day Avg	lb/TBtu	3 728
CCS_SITE	1	Hg	6/4/2025	30 Day Avg	lb/TBtu	3 776
CCS_SITE	1	Hg	6/5/2025	30 Day Avg	lb/TBtu	3 777
CCS_SITE	1	Hg	6/6/2025	30 Day Avg	lb/TBtu	3 768
CCS_SITE	1	Hg	6/7/2025	30 Day Avg	lb/TBtu	3 752
CCS_SITE	1	Hg	6/8/2025	30 Day Avg	lb/TBtu	3 727
CCS_SITE	1	Hg	6/9/2025	30 Day Avg	lb/TBtu	3 722
CCS_SITE	1	Hg	6/10/2025	30 Day Avg	lb/TBtu	3 722
CCS_SITE	1	Hg	6/11/2025	30 Day Avg	lb/TBtu	3 725
CCS_SITE	1	Hg	6/12/2025	30 Day Avg	lb/TBtu	3 721
CCS_SITE	1	Hg	6/13/2025	30 Day Avg	lb/TBtu	3 716
CCS_SITE	1	Hg	6/14/2025	30 Day Avg	lb/TBtu	3 702
CCS_SITE	1	Hg	6/15/2025	30 Day Avg	lb/TBtu	3 693
CCS_SITE	1	Hg	6/16/2025	30 Day Avg	lb/TBtu	3 685
CCS_SITE	1	Hg	6/17/2025	30 Day Avg	lb/TBtu	3 708
CCS_SITE	1	Hg	6/18/2025	30 Day Avg	lb/TBtu	3 72
CCS_SITE	1	Hg	6/19/2025	30 Day Avg	lb/TBtu	3 715
CCS_SITE	1	Hg	6/20/2025	30 Day Avg	lb/TBtu	3 715
CCS_SITE	1	Hg	6/21/2025	30 Day Avg	lb/TBtu	3 723
CCS_SITE	1	Hg	6/22/2025	30 Day Avg	lb/TBtu	3 727
CCS_SITE	1	Hg	6/23/2025	30 Day Avg	lb/TBtu	3 729

CCS_SITE	1	Hg	6/24/2025	30 Day Avg	lb/TBtu	3 73
CCS_SITE	1	Hg	6/25/2025	30 Day Avg	lb/TBtu	3 73
CCS_SITE	1	Hg	6/26/2025	30 Day Avg	lb/TBtu	3 728
CCS_SITE	1	Hg	6/27/2025	30 Day Avg	lb/TBtu	3 722
CCS_SITE	1	Hg	6/28/2025	30 Day Avg	lb/TBtu	3 716
CCS_SITE	1	Hg	6/29/2025	30 Day Avg	lb/TBtu	3 707
CCS_SITE	1	Hg	6/30/2025	30 Day Avg	lb/TBtu	3 702

10.0

10 1 Unit 2
10 2 6/13/2023

11.0

11.1	April	May	June
11 2	Lignite tons	Lignite tons	Lignite tons
11 3	10232	209737	311139
11 4	No	No	No
11 5	N/A	N/A	N/A
11.1	April	May	June
11 2	Fuel Oil gallons	Fuel Oil gallons	Fuel Oil gallons
11 3	0	64988	496
11 4	No	No	No
11 5	N/A	N/A	N/A

12.0

12 1 N/A
12 2 N/A
12 3 N/A
12 4 N/A

13.0

13 1 1
13 2 6 Y
13 3 3 Parameter Operating time downtime hours
Hg lb/TBtu 1329 143

Source	CCS_SITE
Parameter	HG#T_AVG
Interval	001H
	04/21/2025 09 00
	04/21/2025 09 59
	0d - 1h - 0m
	49 - Communication Error
	07 - Performed Maintenance
	04/22/2025 07 00
	04/22/2025 10 59
	0d - 4h - 0m
	49 - Communication Error
	07 - Performed Maintenance
	04/25/2025 14 00
	04/25/2025 19 59
	0d - 6h - 0m
	44 - Data Out Of Control, failed Daily Cal

15 - Replaced Filter			
04/30/2025 10 00	04/30/2025 14 59	0d - 5h - 0m	44 - Data Out Of Control, failed Daily Cal
15 - Replaced Filter			
05/04/2025 05 00	05/04/2025 05 59	0d - 1h - 0m	44 - Data Out Of Control, failed Daily Cal
05/06/2025 05 00	05/06/2025 05 59	0d - 1h - 0m	07 - Performed Maintenance 11 - Monitor Equipment Malfunction
05/07/2025 05 00	05/07/2025 07 59	0d - 3h - 0m	04 - Investigate Cause 48 - Data OOC, failed weekly integrity check
05/08/2025 18 00	05/09/2025 04 59	0d - 11h - 0m	07 - Performed Maintenance 48 - Data OOC, failed weekly integrity check
05/19/2025 11 00	05/19/2025 11 59	0d - 1h - 0m	07 - Performed Maintenance 11 - Monitor Equipment Malfunction
05/26/2025 23 00	05/27/2025 04 59	0d - 6h - 0m	04 - Investigate Cause 11 - Monitor Equipment Malfunction
05/27/2025 09 00	05/27/2025 09 59	0d - 1h - 0m	99 - None 11 - Monitor Equipment Malfunction
05/27/2025 15 00	05/27/2025 15 59	0d - 1h - 0m	04 - Investigate Cause 46 - Data Invalid, only 1 valid quarter hour of Data
05/29/2025 07 00	05/29/2025 08 59	0d - 2h - 0m	99 - None 48 - Data OOC, failed weekly integrity check
06/05/2025 03 00	06/05/2025 05 59	0d - 3h - 0m	07 - Performed Maintenance 11 - Monitor Equipment Malfunction
06/05/2025 07 00	06/05/2025 07 59	0d - 1h - 0m	02 - Repair Equipment 11 - Monitor Equipment Malfunction

				02 - Repair Equipment
06/12/2025 09 00	06/12/2025 10 59	0d - 2h - 0m	80 - Hg In Maintenance	02 - Repair Equipment
06/13/2025 09 00	06/14/2025 08 59	1d - 0h - 0m	07 - Other Known Causes (07)	04 - Investigate Cause
06/14/2025 17 00	06/14/2025 18 59	0d - 2h - 0m	81 - CO2 Analyzer in Maintenance	02 - Repair Equipment
06/16/2025 14 00	06/17/2025 09 59	0d - 20h - 0m	07 - Other Known Causes (07)	04 - Investigate Cause
06/20/2025 03 00	06/20/2025 05 59	0d - 3h - 0m	44 - Data Out Of Control, failed Daily Cal	07 - Performed Maintenance
06/24/2025 09 00	06/25/2025 09 59	1d - 1h - 0m	48 - Data OOC, failed weekly integrity check	
			04 - Investigate Cause	
06/30/2025 04 00	06/30/2025 22 59	0d - 19h - 0m	48 - Data OOC, failed weekly integrity check	
			04 - Investigate Cause	
06/30/2025 23 00	06/30/2025 23 59	0d - 1h - 0m	92 - Flow Monitor Fault	06 - Occasional Condition, No action required

13 3 3

Parameter
SO2 lb/mmbtu

Source
Parameter
Interval

Operating time
1329
downtime hours
17

CCS_SITE				
SO2#M_AV				
001H				
04/21/2025 09 00	04/21/2025 10 59	0d - 2h - 0m	49 - Communication Error	07 - Performed Maintenance
04/22/2025 07 00	04/22/2025 10 59	0d - 4h - 0m	49 - Communication Error	07 - Performed Maintenance
04/25/2025 14 00	04/25/2025 16 59	0d - 3h - 0m	12 - Non-Monitor Equipment Malfunction	04 - Investigate Cause

05/04/2025 05 00	05/04/2025 05 59	0d - 1h - 0m	44 - Data Out Of Control, failed Daily Cal 07 - Performed Maintenance
05/06/2025 05 00	05/06/2025 05 59	0d - 1h - 0m	11 - Monitor Equipment Malfunction 04 - Investigate Cause
05/19/2025 11 00	05/19/2025 11 59	0d - 1h - 0m	11 - Monitor Equipment Malfunction 04 - Investigate Cause
05/27/2025 09 00	05/27/2025 09 59	0d - 1h - 0m	11 - Monitor Equipment Malfunction 04 - Investigate Cause
05/27/2025 15 00	05/27/2025 15 59	0d - 1h - 0m	46 - Data Invalid, only 1 valid quarter hour of Data 99 - None
06/14/2025 17 00	06/14/2025 18 59	0d - 2h - 0m	81 - CO2 Analyzer in Maintenance 02 - Repair Equipment
06/30/2025 23 00	06/30/2025 23 59	0d - 1h - 0m	92 - Flow Monitor Fault 06 - Occasional Condition, No action required

2 0

2 1 6030
 2 2 Coal Creek Station
 2 3 110071160513
 2 4 63
 2 5 UUUUU
 2 6 2025
 2 7 2
 2 8 Optional Comment

3 0

3.1 PM
 3.2 Unit 1
 3.3 U1-Q1-2024-001
 3.4 2/15/2024 0805
 3.5 2/15/2024 1520
 3.6 On Schedule
 3.7 N
 3.8 N/A
 3.9 M5
 3.10 0.03 lb/mmBtu
 3.11 0.0076
 3.12 Y
 3.13 0.015 lb/mmBtu
 3.14 Ongoing LEE qualification test
 4.0 N/A

5.0

	1	2	3
5.1	1	2	3
5.2	2/15/2024 0805	2/15/2024 1040	2/15/2024 1310
5.3	2/15/2024 1015	2/15/2024 12:49	2/15/2024 1520
5.4	8.827 mg/DSCM	11.109 mg/DSCM	7.936 mg/DSCM
5.5	0.0076 lb/mmBtu	0.0091 lb/mmBtu	0.0065 lb/mmBtu
5.6	N/A	N/A	N/A
5.7	120	129	130
5.8	83.777 dcf	86.689 dcf	87.606 dcf

6 0

	CO2%	CO2%	CO2%
6.1	CO2%	CO2%	CO2%
6.2	Unit 1	Unit 1	Unit 1
6.3	14.6	14.6	14.6
6.1	F-factor	F-factor	F-factor
6.2	Unit 1	Unit 1	Unit 1
6.3	1910	1910	1910

7 0

	Isokinetic Rate%	Isokinetic Rate%	Isokinetic Rate%
7.1	Isokinetic Rate%	Isokinetic Rate%	Isokinetic Rate%
7.2	98.2	100.3	100
7.3	Pass	Pass	Pass

8 0

8 1 Hg lb/TBtu
 8 2 1
 8 3 CCS_SITE

9.0

9 1	9.2	9 3	9 4	9 5	9 6	9 7
CCS_SITE	1	Hg	4/1/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/2/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/3/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/4/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/5/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/6/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/7/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/8/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/9/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/10/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/11/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/12/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/13/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/14/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/15/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/16/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/17/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/18/2025	30 Day Avg	lb/TBtu	3 502
CCS_SITE	1	Hg	4/19/2025	30 Day Avg	lb/TBtu	3 462
CCS_SITE	1	Hg	4/20/2025	30 Day Avg	lb/TBtu	3 424
CCS_SITE	1	Hg	4/21/2025	30 Day Avg	lb/TBtu	3 416
CCS_SITE	1	Hg	4/22/2025	30 Day Avg	lb/TBtu	3 304
CCS_SITE	1	Hg	4/23/2025	30 Day Avg	lb/TBtu	3 254
CCS_SITE	1	Hg	4/24/2025	30 Day Avg	lb/TBtu	3 235
CCS_SITE	1	Hg	4/25/2025	30 Day Avg	lb/TBtu	0
CCS_SITE	1	Hg	4/26/2025	30 Day Avg	lb/TBtu	0
CCS_SITE	1	Hg	4/27/2025	30 Day Avg	lb/TBtu	0
CCS_SITE	1	Hg	4/28/2025	30 Day Avg	lb/TBtu	0
CCS_SITE	1	Hg	4/29/2025	30 Day Avg	lb/TBtu	3 198
CCS_SITE	1	Hg	4/30/2025	30 Day Avg	lb/TBtu	0
CCS_SITE	1	Hg	5/1/2025	30 Day Avg	lb/TBtu	3 193
CCS_SITE	1	Hg	5/2/2025	30 Day Avg	lb/TBtu	0
CCS_SITE	1	Hg	5/3/2025	30 Day Avg	lb/TBtu	0
CCS_SITE	1	Hg	5/4/2025	30 Day Avg	lb/TBtu	0
CCS_SITE	1	Hg	5/5/2025	30 Day Avg	lb/TBtu	3 212
CCS_SITE	1	Hg	5/6/2025	30 Day Avg	lb/TBtu	0
CCS_SITE	1	Hg	5/7/2025	30 Day Avg	lb/TBtu	3 225
CCS_SITE	1	Hg	5/8/2025	30 Day Avg	lb/TBtu	0
CCS_SITE	1	Hg	5/9/2025	30 Day Avg	lb/TBtu	3 252

CCS_SITE	1	Hg	5/10/2025	30 Day Avg	lb/TBtu	3 266
CCS_SITE	1	Hg	5/11/2025	30 Day Avg	lb/TBtu	3 266
CCS_SITE	1	Hg	5/12/2025	30 Day Avg	lb/TBtu	3 274
CCS_SITE	1	Hg	5/13/2025	30 Day Avg	lb/TBtu	3 28
CCS_SITE	1	Hg	5/14/2025	30 Day Avg	lb/TBtu	3 301
CCS_SITE	1	Hg	5/15/2025	30 Day Avg	lb/TBtu	3 312
CCS_SITE	1	Hg	5/16/2025	30 Day Avg	lb/TBtu	3 315
CCS_SITE	1	Hg	5/17/2025	30 Day Avg	lb/TBtu	3 322
CCS_SITE	1	Hg	5/18/2025	30 Day Avg	lb/TBtu	3 306
CCS_SITE	1	Hg	5/19/2025	30 Day Avg	lb/TBtu	3 302
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CCS_SITE	1	Hg	5/22/2025	30 Day Avg	lb/TBtu	3 304
CCS_SITE	1	Hg	5/23/2025	30 Day Avg	lb/TBtu	3 299
CCS_SITE	1	Hg	5/24/2025	30 Day Avg	lb/TBtu	3 309
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CCS_SITE	1	Hg	5/29/2025	30 Day Avg	lb/TBtu	3 465
CCS_SITE	1	Hg	5/30/2025	30 Day Avg	lb/TBtu	3 504
CCS_SITE	1	Hg	5/31/2025	30 Day Avg	lb/TBtu	3 564
CCS_SITE	1	Hg	6/1/2025	30 Day Avg	lb/TBtu	3 631
CCS_SITE	1	Hg	6/2/2025	30 Day Avg	lb/TBtu	3 692
CCS_SITE	1	Hg	6/3/2025	30 Day Avg	lb/TBtu	3 728
CCS_SITE	1	Hg	6/4/2025	30 Day Avg	lb/TBtu	3 776
CCS_SITE	1	Hg	6/5/2025	30 Day Avg	lb/TBtu	3 777
CCS_SITE	1	Hg	6/6/2025	30 Day Avg	lb/TBtu	3 768
CCS_SITE	1	Hg	6/7/2025	30 Day Avg	lb/TBtu	3 752
CCS_SITE	1	Hg	6/8/2025	30 Day Avg	lb/TBtu	3 727
CCS_SITE	1	Hg	6/9/2025	30 Day Avg	lb/TBtu	3 722
CCS_SITE	1	Hg	6/10/2025	30 Day Avg	lb/TBtu	3 722
CCS_SITE	1	Hg	6/11/2025	30 Day Avg	lb/TBtu	3 725
CCS_SITE	1	Hg	6/12/2025	30 Day Avg	lb/TBtu	3 721
CCS_SITE	1	Hg	6/13/2025	30 Day Avg	lb/TBtu	3 716
CCS_SITE	1	Hg	6/14/2025	30 Day Avg	lb/TBtu	3 702
CCS_SITE	1	Hg	6/15/2025	30 Day Avg	lb/TBtu	3 693
CCS_SITE	1	Hg	6/16/2025	30 Day Avg	lb/TBtu	3 685
CCS_SITE	1	Hg	6/17/2025	30 Day Avg	lb/TBtu	3 708
CCS_SITE	1	Hg	6/18/2025	30 Day Avg	lb/TBtu	3 72
CCS_SITE	1	Hg	6/19/2025	30 Day Avg	lb/TBtu	3 715
CCS_SITE	1	Hg	6/20/2025	30 Day Avg	lb/TBtu	3 715
CCS_SITE	1	Hg	6/21/2025	30 Day Avg	lb/TBtu	3 723
CCS_SITE	1	Hg	6/22/2025	30 Day Avg	lb/TBtu	3 727
CCS_SITE	1	Hg	6/23/2025	30 Day Avg	lb/TBtu	3 729

CCS_SITE	1	Hg	6/24/2025	30 Day Avg	lb/TBtu	3 73
CCS_SITE	1	Hg	6/25/2025	30 Day Avg	lb/TBtu	3 73
CCS_SITE	1	Hg	6/26/2025	30 Day Avg	lb/TBtu	3 728
CCS_SITE	1	Hg	6/27/2025	30 Day Avg	lb/TBtu	3 722
CCS_SITE	1	Hg	6/28/2025	30 Day Avg	lb/TBtu	3 716
CCS_SITE	1	Hg	6/29/2025	30 Day Avg	lb/TBtu	3 707
CCS_SITE	1	Hg	6/30/2025	30 Day Avg	lb/TBtu	3 702

10 0

10 1 Unit 1
10 2 6/13/2023

11 0

11 1	April	May	June
11.2	Lignite tons	Lignite tons	Lignite tons
11 3	318825	246705	273109
11 4	No	No	No
11 5	N/A	N/A	N/A
11 1	April	May	June
11.2	Fuel Oil gallons	Fuel Oil gallons	Fuel Oil gallons
11 3	0	53307	35617
11 4	No	No	No
11 5	N/A	N/A	N/A

12 0

12 1 N/A
12.2 N/A
12 3 N/A
12 4 N/A

13 0

13 1	1		
	13 2 6	Y	
13 3 3	Parameter	Operating time	Downtime hours
	Hg lb/TBtu	1952	143

Source
Parameter
Interval

CCS_SITE
HG#T_AVG
001H

04/21/2025 09 00

04/21/2025 09 59

0d - 1h - 0m 49 - Communication
Error
07 - Performed
Maintenance

04/22/2025 07 00

04/22/2025 10 59

0d - 4h - 0m 49 - Communication
Error
07 - Performed
Maintenance

04/25/2025 14 00

04/25/2025 19 59

0d - 6h - 0m 44 - Data Out Of
Control, failed Daily
Cal

			15 - Replaced Filter
04/30/2025 10 00	04/30/2025 14 59	0d - 5h - 0m	44 - Data Out Of Control, failed Daily Cal
			15 - Replaced Filter
05/04/2025 05 00	05/04/2025 05 59	0d - 1h - 0m	44 - Data Out Of Control, failed Daily Cal
			07 - Performed Maintenance
05/06/2025 05 00	05/06/2025 05 59	0d - 1h - 0m	11 - Monitor Equipment Malfunction
			04 - Investigate Cause
05/07/2025 05 00	05/07/2025 07 59	0d - 3h - 0m	48 - Data OOC, failed weekly integrity check
			07 - Performed Maintenance
05/08/2025 18 00	05/09/2025 04 59	0d - 11h - 0m	48 - Data OOC, failed weekly integrity check
			07 - Performed Maintenance
05/19/2025 11 00	05/19/2025 11 59	0d - 1h - 0m	11 - Monitor Equipment Malfunction
			04 - Investigate Cause
05/26/2025 23 00	05/27/2025 04 59	0d - 6h - 0m	11 - Monitor Equipment Malfunction
			99 - None
05/27/2025 09 00	05/27/2025 09 59	0d - 1h - 0m	11 - Monitor Equipment Malfunction
			04 - Investigate Cause
05/27/2025 15 00	05/27/2025 15 59	0d - 1h - 0m	46 - Data Invalid, only 1 valid quarter hour of Data
			99 - None
05/29/2025 07 00	05/29/2025 08 59	0d - 2h - 0m	48 - Data OOC, failed weekly integrity check
			07 - Performed Maintenance
06/05/2025 03 00	06/05/2025 05 59	0d - 3h - 0m	11 - Monitor Equipment Malfunction
			02 - Repair Equipment
06/05/2025 07 00	06/05/2025 07 59	0d - 1h - 0m	11 - Monitor Equipment Malfunction
			02 - Repair Equipment

06/12/2025 09 00	06/12/2025 10 59	0d - 2h - 0m	80 - Hg In Maintenance 02 - Repair Equipment
06/13/2025 09 00	06/14/2025 08 59	1d - 0h - 0m	07 - Other Known Causes (07) 04 - Investigate Cause
06/14/2025 17 00	06/14/2025 18 59	0d - 2h - 0m	81 - CO2 Analyzer in Maintenance 02 - Repair Equipment
06/16/2025 14 00	06/17/2025 09 59	0d - 20h - 0m	07 - Other Known Causes (07) 04 - Investigate Cause
06/20/2025 03 00	06/20/2025 05 59	0d - 3h - 0m	44 - Data Out Of Control, failed Daily Cal 07 - Performed Maintenance
06/24/2025 09 00	06/25/2025 09 59	1d - 1h - 0m	48 - Data OOC, failed weekly integrity check 04 - Investigate Cause
06/30/2025 04 00	06/30/2025 22 59	0d - 19h - 0m	48 - Data OOC, failed weekly integrity check 04 - Investigate Cause
06/30/2025 23 00	06/30/2025 23 59	0d - 1h - 0m	92 - Flow Monitor Fault 06 - Occasional Condition, No action required

13 3 3

Parameter	Operating time	Downtime hours	
SO2 lb/mmbtu	1952	17	
Source	CCS_SITE		
Parameter	SO2#M_AV		
Interval	001H		
	04/21/2025 09 00	04/21/2025 10 59	0d - 2h - 0m 49 - Communication Error 07 - Performed Maintenance
	04/22/2025 07 00	04/22/2025 10 59	0d - 4h - 0m 49 - Communication Error 07 - Performed Maintenance
	04/25/2025 14 00	04/25/2025 16 59	0d - 3h - 0m 12 - Non-Monitor Equipment Malfunction 04 - Investigate Cause
	05/04/2025 05 00	05/04/2025 05 59	0d - 1h - 0m 44 - Data Out Of Control, failed Daily Cal

			07 - Performed Maintenance
			11 - Monitor Equipment
05/06/2025 05 00	05/06/2025 05 59	0d - 1h - 0m	Malfunction
			04 - Investigate Cause
			11 - Monitor Equipment
05/19/2025 11 00	05/19/2025 11 59	0d - 1h - 0m	Malfunction
			04 - Investigate Cause
			11 - Monitor Equipment
05/27/2025 09 00	05/27/2025 09 59	0d - 1h - 0m	Malfunction
			04 - Investigate Cause
			46 - Data Invalid, only 1 valid quarter hour of Data
05/27/2025 15 00	05/27/2025 15 59	0d - 1h - 0m	99 - None
			81 - CO2 Analyzer in Maintenance
06/14/2025 17 00	06/14/2025 18 59	0d - 2h - 0m	02 - Repair Equipment
			92 - Flow Monitor Fault
06/30/2025 23 00	06/30/2025 23 59	0d - 1h - 0m	06 - Occasional Condition, No action required