

BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c))
Emergency Order: Midcontinent)
Independent System Operator)
(MISO))
_____)

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 101
Consumers June Responses
to AG

From: [Bret A. Totoraitis](#)
To: [Moody, Michael \(AG\)](#)
Subject: RE: AG's first discovery request to Consumers Energy in U-21870
Date: Friday, June 13, 2025 3:16:08 PM
Attachments: [Informal Response to AG Campbell Questions.pdf](#)

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Good afternoon, Mike. Thank you for your consideration of Consumers Energy interest in keeping these issues separate from its electric rate case. Attached are the Company's informal responses to the questions posed by the Attorney General related to the Campbell extension. I'm still working internally to figure out if there is additional information from the Company's annual capacity demonstration filing for this year that the Company can share. I hope to have an answer for you on that early next week.

Bret

From: Moody, Michael (AG) <moodym2@michigan.gov>
Sent: Thursday, June 12, 2025 4:01 PM
To: Bret A. Totoraitis <Bret.Totoraitis@cmsenergy.com>
Subject: AG's first discovery request to Consumers Energy in U-21870

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Bret,

The AG agrees to not seek a response from Consumers Energy on the first discovery request in U-21870 in return for an informal narrative response to the discovery as well as the 6w capacity filing information (understanding that there may be some redactions) that we discussed on the call earlier today. The agreement is obviously conditioned on receiving the informal narratives and 6w materials and the agreement doesn't bar the AG from ever asking again in the future, if necessary. Thanks for being available and helping to work on this information with me. Let me know if you have any questions.

Michael

Michael Moody
Division Chief, Special Litigation Division
Michigan Department of Attorney General

Question:

1. Will any capital expenditures be required to operate the Campbell Plant¹ for the period covered by the Secretary of Energy's Order² to continue operating the Campbell Plant?³ If so, describe the required investments and provide the estimated costs.

Response:

The Company has not yet determined whether it will incur any costs which would be eligible for classification as capital expenditures. In accordance with the Company's capitalization guidelines, for an asset to be listed as a retirement unit and capitalized it must have a useful life of two years or more. As such, the Company does not anticipate recording any costs as capital expenditures and, in fact, has not recorded any capital expenditures at the Campbell plant in the two-year period prior to May 31, 2025.

The Company is complying with the Order from the Secretary of Energy and will coordinate appropriate cost recovery with MISO. The Order was issued for the benefit of all of MISO and, as such, it is the Company's position that any cost recovery should be received from all MISO market participants, similar to cost recovery afforded through a MISO-designated system support resource.

Date: June 10, 2025

Question:

2. To the extent not produced in response to Question No. 1 above, identify all amounts for the following categories of expenditures and costs Consumers anticipates it would make or incur as a result of operating the Campbell Plant for the period covered by the Secretary of Energy's Order, and produce any analyses, calculations, and assumptions for each such amount:

- a. All capital expenditure amounts and working capital amounts, including all such amounts the Company anticipates it would include in a requested cost recovery;
- b. Any other categories of expenditures or costs the Company anticipates it would include in a requested cost recovery.
- c. All operation-and-maintenance costs;
- d. All permitting costs;
- e. All emissions-related costs.
- f. All other categories of expenditures and costs Consumers anticipates it would include in a requested revenue requirement.

Response:

- a. See the response to question 1. The Company has not performed any calculations to determine any amounts it could or would include in a request for cost recovery.
- b. The Company has not yet determined the projected amounts.
- c. The Company has not yet determined the projected amounts.
- d. The Company has not yet determined the projected amounts.
- e. The Company has not yet determined the projected amounts. Campbell Unit 2 and Campbell Unit 3 selective catalytic reduction catalysts are at end of life; both systems are expected to perform adequately for the next 90 days, however additional extensions beyond this will eventually require catalyst addition. Rough estimate for one layer catalyst at Campbell Unit 2 is \$3M and at Campbell Unit 3 is \$5M. Catalyst purchases typically require six-to-twelve-month lead time. See also the response to questions 11, 12, 13, 14, & 15.
- f. The Company has not yet determined the projected amounts.

Date: June 10, 2025

Question:

3. To the extent not identified in response to Questions No. 1-2 above, explain how the Company intends to account for any expenditures and costs it anticipates it would make or incur as a result of operating the Campbell Plant for the period covered by the Secretary of Energy's Order, including the extent to which it anticipates accounting for all or part of such expenditures and costs as part of this proceeding and the extent to which it anticipates to account for all or part of such expenditures and costs as part of a filing with the Federal Energy Regulatory Commission.

Response:

The Company plans to record any expenditures and costs it incurs as a result of operating the Campbell Plant during the period covered by the Secretary of Energy's Order in a FERC regulatory asset.

Date: June 10, 2025

Question:

4. Will any planned outages be required to maintain the Campbell Plant as an operational plant for the period covered by the Secretary of Energy's Order to continue operating the Campbell Plant? If so, approximately when and for what duration?

Response:

The Company does not have any planned outages for Campbell Units 1 through 3 during the period covered by the Secretary of Energy's Order. Campbell Unit 2 is currently out of service due to needed boiler tube repairs and other balance of plant work. The estimated return to service is June 27, 2025.

Date: June 10, 2025

Question:

5. What is the lead time to bring the Campbell Plant units from an off condition to readiness for generation? What is the time required to turn the Campbell Plant units off after a period of generation?

Response:

Unit 1 – Plant startup from a cold condition takes approximately 24 hours and shutdown takes approximately 12 hours.

Unit 2 – Plant startup from a cold condition takes approximately 36 hours and shutdown takes approximately 12 hours.

Unit 3 – Plant startup from a cold condition takes approximately 72 hours and shutdown takes approximately 18 hours.

Date: June 10, 2025

Question:

7. What are the current heat rates of Campbell Plant Units 1, 2, and 3?

Response:

Heat rate analysis for May of 2025:

- Campbell 1 has a heat rate of 10,907.1 Btu/kWh
- Campbell 2 has a heat rate of 11,525.8 Btu/kWh
- Campbell 3 has a heat rate of 10,114.8 Btu/kWh

Date: June 10, 2025

Question:

8. What quantity of coal remained on hand at the Campbell Plant as of May 31, 2025, and what is the heat content of that coal?

Response:

At the time the Department of Energy (DOE) issued its order, the Company had nearly depleted the usable coal inventory at the Campbell site. Just prior to this, samples were collected to assess the usability of any remaining coal resins. Testing indicated that approximately 150,000 tons of resins remained, with an average heat content of about 5,294 Btu/lb.

Following the DOE's order on May 23, 2025, and before May 31, 2025, the Company began rebuilding a small amount of usable inventory. As of May 31, 2025, the Campbell Plant had approximately 9,000 tons of usable coal on hand, with an average heat content of 8,869 Btu/lb. – consistent with the historical specifications used by the Campbell units.

Date: June 19, 2025

Question:

9. How does the Company intend to acquire and manage coal for the Campbell Plant for the period covered by the Secretary of Energy's Order to continue operating the Campbell Plant?

- a. Will the Company enter a supply contract or make "spot" purchases?
- b. What coal sources are compatible with the Campbell Plant units? What is their expected heat content?
- c. What does the Company expect coal for the Campbell Plant to cost per unit weight and per unit heat content?
- d. What quantity of coal does the Company expect to need to comply with the Order to continue operating the Campbell Plant?
- e. How will the Company transport coal to operate the Campbell Plant for the period covered by the Secretary of Energy's recent Order to continue operating the Campbell Plant? What is the expected cost of such coal transportation?
- f. What does the Company project as the as-burned coal costs for the period covered by the Secretary of Energy's Order to continue operating the Campbell Plant?

Response:

- a) The Company intends to continue its normal practice of procuring coal through this short period using spot purchases.
- b) The Campbell Plant units are compatible with sub-bituminous coal, primarily sourced from the Powder River Basin (PRB). The expected heat content of compatible coal is approximately 8,400–8,800 Btu/lb. (PRB).
- c) The expected cost of coal for the Campbell Plant is approximately \$13.89/ton and \$0.78/MMBtu.
- d) The Company currently estimates that approximately 1.25M tons of coal will be required to meet operational demands for the period defined under the Department of Energy's Order.
- e) Coal will be transported to the Campbell Plant via rail, using existing transportation agreements with rail carriers. The expected transportation cost is approximately \$36.83/ton and \$2.08/MMBtu.
- f) The projected as-burned coal cost for the Campbell Plant during this period is projected to be approximately \$55M.

Date: June 10, 2025

Question:

15. Will the Company continue to use Pulse Jet Fabric Filters at the Campbell Plant to reduce emissions, consistent with past practices, during the period covered by the Secretary of Energy's Order to continue operating the Campbell Plant?

- a. If so, what is the stock of Pulse Jet Fabric Filters at the Plant as of May 31, 2025?
- b. What is the expected quantity and cost of Pulse Jet Fabric Filters required to operate the air emissions controls at the plant during this period?

Response:

Yes. The Company will continue to use Pulse Jet Fabric Filters ("PJFF") at the Campbell Plant to reduce emissions. See also the response to question 11.

- a. The stock of PJFF bags is shown on line 5 in the table below.
- b. The expected quantity and cost of PJFF bags is shown on line 5 in the table below. PJFF bags are replaced individually on an as needed basis or for periodic testing at a rate of about 4-12 bags per year, which is a minor maintenance cost.

PJFF bags are changed out in their entirety about every six to eight years as indicated by test results. All Campbell Unit 1 and Campbell Unit 2 PJFF bags were replaced in 2021. Campbell Unit 3 is overdue for PJFF bag changeout, but the project was cancelled due to expected site closure. The Campbell Unit 3 PJFF is expected to perform adequately with existing bags for 90-days, but further life extension may negatively impact PJFF performance. A rough estimate for Campbell Unit 3 PJFF full bag changeout (24 compartments with 28,272 bags total) is \$7M-\$10M. Campbell Unit 1 and Campbell Unit 2 PJFF are expected to perform as designed until at least mid-2028.

	Consumable	Purpose	On Hand 5/23/25 (ton)	On Hand 5/31/25 (ton)	Forecast 90-day usage (ton)	Estimated unit rate (\$/ton)	Forecast 90-day cost (\$M)
1	Urea	NOx	100	100	1250	638	0.800
2	Act Carbon	Hg	80	90	210	2590	0.550
3	Hydrated Lime	SOx	280	420	3790	379	1.440
4	Pebble Lime	SOx	170	90	5260	241	1.270
5	PJFF bags	PM	33+ bag ¹	33+ bag	0 bag	\$113/bag	n/a
						TOTAL	4.060

Date: June 10, 2025

¹ 33 PJFF bags in stock plus one full compartment set (1178) available non-stock. JHC1 PJFF has 8 compartments, JHC2 has 10 compartments, JHC3 has 24 compartments.

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Federal Power Act Section 202(c))
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Public Interest Organizations

Exhibit 102

CAMPD Campbell Daily
Emissions Data

State	Facility Name	Facility ID	Unit ID	Associated Stacks	Date	Operating Time Count	Sum of the Operating Time	Gross Load (MWh)	Steam Load (1000 lb)	SO2 Mass (short tons)	SO2 Rate (lbs/mmBtu)	CO2 Mass (short tons)	CO2 Rate (short tons/mmBtu)	NOx Mass (short tons)	NOx Rate (lbs/mmBtu)	Heat Input (mmBtu)	Primary Fuel Type	Secondary Fuel Type	Unit Type	SO2 Controls	NOx Controls	PM Controls	Hg Controls	Program Code
MI	J H Campbell	1710	1		6/1/2025	24	24	4034		5.342	0.2497	4486.7	0.105	2.637	0.1233	42777.6	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/2/2025	24	24	4035		5.483	0.2515	4570.9	0.105	2.763	0.1268	43579.9	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/3/2025	24	24	5116		6.607	0.2484	5573.4	0.105	3.621	0.1357	53140.9	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/4/2025	24	24	5499		7.116	0.2524	5911.5	0.105	3.984	0.1412	56364	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/5/2025	24	24	5633		7.158	0.2494	6019.4	0.105	4.211	0.1468	57392.3	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/6/2025	24	24	4565		6.034	0.2515	5032.4	0.105	3.451	0.143	47981.3	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/7/2025	24	24	3964		5.366	0.2511	4483.2	0.105	2.866	0.1341	42746.4	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/8/2025	24	24	3964		5.261	0.2477	4455	0.105	2.98	0.1403	42477.7	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/9/2025	24	24	4255		6.004	0.2702	4683.2	0.105	3.28	0.1468	44650.6	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/10/2025	24	24	5571		7.394	0.2619	5925.7	0.105	4.222	0.1494	56500.7	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/11/2025	24	24	5587		7.478	0.2633	5957.3	0.105	4.163	0.1466	56801.6	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/12/2025	24	24	5046		6.86	0.2588	5562.2	0.105	3.665	0.1369	53034.6	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/13/2025	24	24	5562		7.182	0.2512	5994.8	0.105	4.117	0.144	57157.6	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/14/2025	24	24	5561		7.369	0.2594	5958.5	0.105	4.094	0.1441	56812.4	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/15/2025	24	24	5562		7.186	0.252	5980.3	0.105	4.112	0.1442	57022	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/16/2025	24	24	5563		7.353	0.2571	6001.2	0.105	4.188	0.1464	57220.3	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/17/2025	24	24	5500		7.458	0.2649	5911.9	0.105	4.209	0.1493	56369.9	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/18/2025	24	24	5646		7.91	0.2708	6127.9	0.105	4.399	0.1506	58428.5	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/19/2025	24	24	5965		8.321	0.2722	6413.1	0.105	4.616	0.151	61145.4	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/20/2025	24	24	6138		9.075	0.2918	6524.5	0.105	4.693	0.1509	62210.3	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/21/2025	24	24	6137		12.777	0.4044	6623.1	0.105	5.018	0.1589	63148.5	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/22/2025	24	24	6105		10.32	0.3241	6674.8	0.105	4.795	0.1506	63645.2	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/23/2025	15	14.85	3645.2		5.101	0.2651	4026.2	0.105	2.788	0.1448	38388.825	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/24/2025	0	0										Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/25/2025	0	0										Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/26/2025	0	0										Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/27/2025	0	0										Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/28/2025	0	0										Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/29/2025	0	0										Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		6/30/2025	0	0										Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/1/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/2/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/3/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/4/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/5/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/6/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/7/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/8/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/9/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/10/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/11/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/12/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/13/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/14/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/15/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/16/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/17/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/18/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/19/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/20/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/21/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/22/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/23/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/24/2025	0	0										Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/25/2025	4	3.43	0		0		52.718	0.105	0	0.001	502.164	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/26/2025	18	16.57	0		0.093	0.0338	451.21	0.1051	0.2	0.0747	4301.58	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		6/27/2025	16	15.15	128		0.186	0.0552	559.31	0.1049	0.434	0.1348	5333.855	Coal							

BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c))
Emergency Order: Midcontinent)
Independent System Operator)
(MISO))
_____)

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 103

July 17 Email from
Consumers to EGLE

From: Joseph J. Firlit <JOSEPH.FIRLIT@cmsenergy.com>
Sent: 7/17/2025 11:19:40 AM
To: "Lazzaro, April (EGLE)" <LazzaroA1@michigan.gov>
Subject: RE: Update to MATS Part 63 PM/HCI Test Notification - Consumers Energy, J.H. Campbell Generating Complex (ORIS Code 1710), Unit 2

CAUTION: This is an External email. Please send suspicious emails to abuse@michigan.gov

Good Morning, April –

Unit 2 was offline on May 19, 2025 and there was no immediate plan as of May 27, 2025 to bring it back online. But after further evaluation and interpretation of the DOE order issued to MISO and Consumers Energy under section 202(c) of the Federal Power Act (FPA) , 16 U. S. C. 824a(c) and section 302(b) of the Department of Energy Organization Act, 42 U. S. C. 7151(b) it has been determined that it is necessary to attempt to repair and operate Unit 2 to address the energy shortage identified in this order. Unit 2 operated briefly between June 25-July 4, 2025 before coming back offline to address a water intake issue. The order states the facility is to remain available for dispatch through August 21, 2025.

Regards,

Joseph J. Firlit, PMP

Manager Engineering Support

Consumers Energy

J H Campbell Generating Station

17000 Croswell | West Olive, Michigan 49460

Office: 616-738-3260 | Cell: 616-836-9900 | Fax: 616-738-3215

joseph.firlit@cmsenergy.com | www.ConsumersEnergy.com



From: Lazzaro, April (EGLE) <LazzaroA1@michigan.gov>
Sent: Thursday, July 17, 2025 7:04 AM
To: Joseph J. Firlit <JOSEPH.FIRLIT@cmsenergy.com>
Subject: RE: Update to MATS Part 63 PM/HCI Test Notification - Consumers Energy, J.H. Campbell Generating Complex (ORIS Code 1710), Unit 2

**##CAUTION##: This email originated from outside of CMS/CE.
Remember your security awareness training: Stop, think, and use
caution before clicking links/attachments.**

Hi Joe,

Last we knew (May 27 email), EUBOILER2 went offline on May 19th and there were no plans to bring the unit back on-line. Has EUBOILER2 operated since it went down on May 19th?

Thanks,
April

April Lazzaro
Senior Environmental Quality Analyst
Air Quality Division
Grand Rapids District Office
Michigan Department of Environment, Great Lakes, and Energy
616-558-1092

[Connect with us \[cms.michigan.gov\]](https://cms.michigan.gov) | [Michigan.gov/EGLE \[michigan.gov\]](https://Michigan.gov/EGLE)



From: Joseph J. Firlit <JOSEPH.FIRLIT@cmsenergy.com>

Sent: Wednesday, July 16, 2025 3:51 PM

To: compheer.michael@epa.gov; Howe, Jeremy (EGLE) <HoweJ1@michigan.gov>; Hollenbach, Heidi (EGLE) <HOLLENBACHHH@michigan.gov>; Lazzaro, April (EGLE) <LazzaroA1@michigan.gov>; R5AirEnforcement <r5airenforcement@epa.gov>

Cc: Michael E. Gruber II <Michael.GruberII@cmsenergy.com>; Jason M. Prentice <jason.prentice@cmsenergy.com>; Thomas R. Schmelter <Thomas.Schmelter@cmsenergy.com>; Roger D. Vargo <ROGER.VARGO@cmsenergy.com>; Joe Mason <Joe.MASON@cmsenergy.com>

Subject: Update to MATS Part 63 PM/HCI Test Notification - Consumers Energy, J.H. Campbell Generating Complex (ORIS Code 1710), Unit 2

**CAUTION: This is an External email. Please send suspicious emails to
abuse@michigan.gov**

All,

On June 19, 2025, Consumers Energy's J.H. Campbell Plant (JHC) SRN B2835 submitted a test protocol of a triennial HCl and PM test for Mercury Air Toxics Rule (MATS) 40 CFR Part 63 Subpart UUUUU. The MATS RATA test protocol was submitted to both MiEnviro (Submission #: HQD-F4PF-ZY9CT) and to r5airenforcement@epa.gov.

EUBOILER2 came offline unexpectedly due to a water intake issue. Therefore, the MATS testing at Unit 2 will not occur during the business week beginning July 21, 2025. A final return to service date for the unit has not yet been established. I will send another email with updates when a unit return to service date and proposed testing dates are known. Thank you!

Regards,

Joseph J. Firlit, PMP

Manager Engineering Support

Consumers Energy

J H Campbell Generating Station

17000 Croswell | West Olive, Michigan 49460

Office: 616-738-3260 | Cell: 616-836-9900 | Fax: 616-738-3215

joseph.firlit@cmsenergy.com | www.ConsumersEnergy.com



From: Joseph J. Firlit

Sent: Thursday, June 19, 2025 3:14 PM

To: r5airenforcement@epa.gov

Cc: Michael E. Gruber II <Michael.GruberII@cmsenergy.com>; Jason M. Prentice

<JASON.PRENTICE@cmsenergy.com>; Thomas R. Schmelter <Thomas.Schmelter@cmsenergy.com>;

David M. Kawasaki <David.Kawasaki@cmsenergy.com>; Roger D. Vargo <roger.vargo@cmsenergy.com>

Subject: Submittal of MATS PM/HCI Test Notice and Protocol for the Consumers Energy, J.H. Campbell Generating Complex (ORIS Code 1710), Unit 2

To Whom It May Concern:

Consumers Energy is respectfully submitting the attached test notice and protocol for a planned Mercury Air Toxics (MATS) Rule PM/HCI Test at our J.H. Campbell Unit 2 to commence on July 22, 2025. The same submittal has been provided to the Michigan Department of Environment, Great Lakes, and Energy (EGLE) Technical Programs Unit (TPU) and EGLE-AQD District Office today, via their MiEnviro Air Portal. Please let me know if there are any questions or concerns regarding this test notice.

Regards,

Joseph J. Firlit, PMP

Manager Engineering Support

Consumers Energy

J H Campbell Generating Station

17000 Croswell | West Olive, Michigan 49460

Office: 616-738-3260 | Cell: 616-836-9900 | Fax: 616-738-3215

joseph.firlit@cmsenergy.com | www.ConsumersEnergy.com



Consumers Energy
Count on Us

BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c))
Emergency Order: Midcontinent)
Independent System Operator)
(MISO))

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 104
CAMPD Campbell Hourly
Emissions Data

State	Facility Name	Facility ID	Unit ID	Associated Stacks	Date	Hour	Operating Time	Gross Load (MW)	Steam Load (1000 lb/hr)	SO2 Mass (lbs)	SO2 Mass Measure Indicator	SO2 Rate (lbs/mmBtu)	SO2 Rate Measure Indicator	CO2 Mass (short tons)	CO2 Mass Measure Indicator	CO2 Rate (short tons/mmBtu)	CO2 Rate Measure Indicator	NOx Mass (lbs)	NOx Mass Measure Indicator	NOx Rate (lbs/mmBtu)	NOx Rate Measure Indicator	Heat Input (mmBtu)	Heat Input Measure Indicator	Primary Fuel Type	Secondary Fuel Type	Unit Type	SO2 Controls	NOx Controls	PM Controls	Hg Controls	Program Code
MI	J H Campbell	1710	1		6/1/2025	0	1	168	485.4	Measured	0.275	Calculated	185.2	Measured	0.105	Calculated	215.4	Measured	0.122	Measured	1765.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	1	1	168	450.9	Measured	0.254	Calculated	186.2	Measured	0.105	Calculated	216.6	Measured	0.122	Measured	1775.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	2	1	168	426.1	Measured	0.238	Calculated	187.6	Measured	0.105	Calculated	220	Measured	0.123	Measured	1788.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	3	1	168	449.2	Measured	0.26	Calculated	188.3	Measured	0.105	Calculated	218.1	Measured	0.122	Measured	1795.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	4	1	168	448	Measured	0.25	Calculated	180.6	Measured	0.105	Calculated	206.6	Measured	0.12	Measured	1721.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	5	1	168	473.6	Measured	0.263	Calculated	188.6	Measured	0.105	Calculated	215.8	Measured	0.12	Measured	1798.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	6	1	168	457	Measured	0.253	Calculated	189.6	Measured	0.105	Calculated	220.5	Measured	0.122	Measured	1807.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	7	1	168	459.2	Measured	0.257	Calculated	187.5	Measured	0.105	Calculated	218.1	Measured	0.122	Measured	1787.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	8	1	168	482	Measured	0.272	Calculated	185.8	Measured	0.105	Calculated	219.6	Measured	0.124	Measured	1771.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	9	1	168	488.7	Measured	0.275	Calculated	186.1	Measured	0.105	Calculated	212.9	Measured	0.12	Measured	1774.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	10	1	168	451.7	Measured	0.254	Calculated	186.6	Measured	0.105	Calculated	215.2	Measured	0.121	Measured	1779.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	11	1	168	402.1	Measured	0.225	Calculated	187.2	Measured	0.105	Calculated	216	Measured	0.121	Measured	1784.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	12	1	168	396.1	Measured	0.222	Calculated	187.2	Measured	0.105	Calculated	219.5	Measured	0.123	Measured	1784.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	13	1	168	425.1	Measured	0.238	Calculated	187.1	Measured	0.105	Calculated	217.6	Measured	0.122	Measured	1783.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	14	1	168	433.3	Measured	0.244	Calculated	186.2	Measured	0.105	Calculated	218.3	Measured	0.123	Measured	1775.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	15	1	169	434.7	Measured	0.245	Calculated	186.4	Measured	0.105	Calculated	220.4	Measured	0.124	Measured	1777.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	16	1	168	428.1	Measured	0.241	Calculated	186.1	Measured	0.105	Calculated	221.8	Measured	0.125	Measured	1774	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	17	1	168	431.7	Measured	0.244	Calculated	185.5	Measured	0.105	Calculated	219.3	Measured	0.124	Measured	1768.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	18	1	168	440.9	Measured	0.248	Calculated	186.5	Measured	0.105	Calculated	217	Measured	0.122	Measured	1778.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	19	1	168	436.9	Measured	0.245	Calculated	187.1	Measured	0.105	Calculated	217.6	Measured	0.122	Measured	1783.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	20	1	168	428.7	Measured	0.24	Calculated	187.1	Measured	0.105	Calculated	226.6	Measured	0.127	Measured	1784.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	21	1	168	436.7	Measured	0.243	Calculated	188.3	Measured	0.105	Calculated	231.6	Measured	0.129	Measured	1795	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	22	1	168	453.7	Measured	0.25	Calculated	190.5	Measured	0.105	Calculated	232.5	Measured	0.128	Measured	1816.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/1/2025	23	1	168	464.6	Measured	0.257	Calculated	189.4	Measured	0.105	Calculated	236.5	Measured	0.131	Measured	1805.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/2/2025	0	1	168	460.9	Measured	0.254	Calculated	190.6	Measured	0.105	Calculated	230.8	Measured	0.127	Measured	1817.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/2/2025	1	1	168	464.2	Measured	0.255	Calculated	191.1	Measured	0.105	Calculated	227.8	Measured	0.125	Measured	1822.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/2/2025	2	1	168	449.1	Measured	0.248	Calculated	189.6	Measured	0.105	Calculated	225.9	Measured	0.125	Measured	1807.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/2/2025	3	1	168	461.4	Measured	0.253	Calculated	191	Measured	0.105	Calculated	218.5	Measured	0.12	Measured	1821.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/2/2025	4	1	168	446.8	Measured	0.249	Calculated	188.2	Measured	0.105	Calculated	222.5	Measured	0.124	Measured	1794.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/2/2025	5	1	168	443	Measured	0.243	Calculated	191.2	Measured	0.105	Calculated	237	Measured	0.13	Measured	1823	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/2/2025	6	1	168	457.2	Measured	0.251	Calculated	190.7	Measured	0.105	Calculated	238.2	Measured	0.131	Measured	1818.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/2/2025	7	1	168	452.1	Measured	0.252	Calculated	188.2	Measured	0.105	Calculated	233.3	Measured	0.13	Measured	1794.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/2/2025	8	1	168	453.7	Measured	0.252	Calculated	188.6	Measured	0.105	Calculated	233.8	Measured	0.13	Measured	1798.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/2/2025	9	1	168	437.6	Measured	0.241	Calculated	190.6	Measured	0.105	Calculated	232.6	Measured	0.128	Measured	1817	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/2/2025	10	1	168	398.3	Measured	0.222	Calculated	188.2	Measured	0.105	Calculated	218.9	Measured	0.122	Measured	1794	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/2/2025	11	1	168	409.5	Measured	0.225	Calculated	190.8	Measured	0.105	Calculated	220.1	Measured	0.121	Measured	1819.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/2/2025	12	1	168	434.9	Measured	0.241	Calculated	189.6	Measured	0.105	Calculated	222.4	Measured	0.123	Measured	1807.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/2/2025	13	1	168	451.1	Measured	0.249	Calculated	190.1	Measured	0.105	Calculated	228.3	Measured	0.126	Measured	1812.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/2/2025	14	1	168	457.3	Measured	0.251	Calculated	190.8	Measured	0.105	Calculated	234.7	Measured	0.129	Measured	1819.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/2/2025	15	1	168	455.7	Measured	0.248	Calculated	192.4	Measured	0.105	Calculated	236.6	Measured	0.129	Measured	1834.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/2/2025	16	1	169	457.3	Measured	0.25	Calculated	191.6	Measured	0.105	Calculated	235.7	Measured	0.129	Measured	1826.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/2/2025	17	1	168	444	Measured	0.244	Calculated	190.6	Measured	0.105	Calculated	225.3	Measured	0.124	Measured	1817.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/2/2025	18	1	168	450.3	Measured	0.246	Calculated	191.6	Measured	0.105	Calculated	226.5	Measured	0.124	Measured	1826.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	1		6/2/2025	19	1	169																							

State	Facility Name	Facility ID	Unit ID	Associated Stacks	Date	Hour	Operating Time	Gross Load (MW)	Steam Load (1000 lb/hr)	SO2 Mass (lbs)	SO2 Mass Measure Indicator	SO2 Rate (lbs/mmBtu)	SO2 Rate Measure Indicator	CO2 Mass (short tons)	CO2 Mass Measure Indicator	CO2 Rate (short tons/mmBtu)	CO2 Rate Measure Indicator	NOx Mass (lbs)	NOx Mass Measure Indicator	NOx Rate (lbs/mmBtu)	NOx Rate Measure Indicator	Heat Input (mmBtu)	Heat Input Measure Indicator	Primary Fuel	Secondary Fuel Type	Unit Type	SO2 Controls	NOx Controls	PM Controls	Hg Controls	Program Code
MI	J H Campbell	1710	1		6/5/2025	10	1	235		607.2	Measured	0.253	Calculated	251.9	Measured	0.105	Calculated	343.4	Measured	0.143	Measured	240.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/5/2025	11	1	235		611.8	Measured	0.255	Calculated	251.4	Measured	0.105	Calculated	357.1	Measured	0.149	Measured	239.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/5/2025	12	1	235		608.4	Measured	0.253	Calculated	252.5	Measured	0.105	Calculated	334.6	Measured	0.139	Measured	240.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/5/2025	13	1	235		593.5	Measured	0.247	Calculated	251.8	Measured	0.105	Calculated	345.8	Measured	0.144	Measured	240.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/5/2025	14	1	235		586.5	Measured	0.245	Calculated	251.5	Measured	0.105	Calculated	347.6	Measured	0.145	Measured	239.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/5/2025	15	1	235		597.7	Measured	0.249	Calculated	251.8	Measured	0.105	Calculated	348.1	Measured	0.145	Measured	240.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/5/2025	16	1	234		572.4	Measured	0.24	Calculated	250.2	Measured	0.105	Calculated	345.9	Measured	0.145	Measured	238.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/5/2025	17	1	235		588.8	Measured	0.247	Calculated	250.4	Measured	0.105	Calculated	346.1	Measured	0.145	Measured	238.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/5/2025	18	1	234		605.1	Measured	0.255	Calculated	248.7	Measured	0.105	Calculated	348.5	Measured	0.147	Measured	237.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/5/2025	19	1	235		564.8	Measured	0.237	Calculated	249.5	Measured	0.105	Calculated	349.7	Measured	0.147	Measured	2379	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/5/2025	20	1	235		556.4	Measured	0.233	Calculated	250.4	Measured	0.105	Calculated	358.1	Measured	0.15	Measured	2387.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/5/2025	21	1	235		576.9	Measured	0.241	Calculated	250.8	Measured	0.105	Calculated	363.5	Measured	0.152	Measured	2391.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/5/2025	22	1	235		637.1	Measured	0.263	Calculated	253.6	Measured	0.105	Calculated	365.1	Measured	0.151	Measured	2418.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/5/2025	23	1	234		643.3	Measured	0.268	Calculated	251.5	Measured	0.105	Calculated	362.1	Measured	0.151	Measured	2398.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	0	1	234		624.4	Measured	0.261	Calculated	251.4	Measured	0.105	Calculated	357.1	Measured	0.149	Measured	2396.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	1	1	234		599	Measured	0.25	Calculated	251.3	Measured	0.105	Calculated	354.6	Measured	0.148	Measured	2396	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	2	1	235		605.5	Measured	0.253	Calculated	251.5	Measured	0.105	Calculated	359.6	Measured	0.15	Measured	2397.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	3	1	235		600.4	Measured	0.251	Calculated	251.1	Measured	0.105	Calculated	361.6	Measured	0.151	Measured	2394.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	4	1	234		601.4	Measured	0.256	Calculated	246.6	Measured	0.105	Calculated	357.3	Measured	0.152	Measured	2350.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	5	1	235		605.9	Measured	0.254	Calculated	249.7	Measured	0.105	Calculated	361.9	Measured	0.152	Measured	2381.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	6	1	235		591.8	Measured	0.248	Calculated	250.3	Measured	0.105	Calculated	358	Measured	0.15	Measured	2386.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	7	1	235		594.3	Measured	0.251	Calculated	248.8	Measured	0.105	Calculated	355.8	Measured	0.15	Measured	2371.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	8	1	223		563.6	Measured	0.249	Calculated	237.3	Measured	0.105	Calculated	353	Measured	0.156	Measured	2262.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	9	1	161		416.4	Measured	0.239	Calculated	182.8	Measured	0.105	Calculated	256.2	Measured	0.147	Measured	1743	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	10	1	163		424.3	Measured	0.24	Calculated	185.4	Measured	0.105	Calculated	242.2	Measured	0.137	Measured	1767.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	11	1	163		414	Measured	0.235	Calculated	185.2	Measured	0.105	Calculated	254.2	Measured	0.144	Measured	1765.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	12	1	162		431.5	Measured	0.244	Calculated	185.8	Measured	0.105	Calculated	256.9	Measured	0.145	Measured	1771.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	13	1	163		458.4	Measured	0.258	Calculated	186.4	Measured	0.105	Calculated	261.3	Measured	0.147	Measured	1777.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	14	1	166		487.4	Measured	0.272	Calculated	188.2	Measured	0.105	Calculated	245.8	Measured	0.137	Measured	1794.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	15	1	165		469.5	Measured	0.263	Calculated	186.9	Measured	0.105	Calculated	242.4	Measured	0.136	Measured	1782	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	16	1	165		444.8	Measured	0.25	Calculated	186.6	Measured	0.105	Calculated	238.4	Measured	0.134	Measured	1778.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	17	1	165		448.2	Measured	0.251	Calculated	187.5	Measured	0.105	Calculated	243.2	Measured	0.136	Measured	1788.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	18	1	166		451	Measured	0.254	Calculated	186.5	Measured	0.105	Calculated	236.5	Measured	0.133	Measured	1778.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	19	1	165		450.8	Measured	0.254	Calculated	186.4	Measured	0.105	Calculated	241.7	Measured	0.136	Measured	1777.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	20	1	165		444	Measured	0.25	Calculated	186.2	Measured	0.105	Calculated	243.2	Measured	0.137	Measured	1775.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	21	1	165		442.5	Measured	0.248	Calculated	187	Measured	0.105	Calculated	244.3	Measured	0.137	Measured	1783.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	22	1	165		448.5	Measured	0.252	Calculated	186.9	Measured	0.105	Calculated	238.8	Measured	0.134	Measured	1782.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/6/2025	23	1	165		450.5	Measured	0.253	Calculated	186.6	Measured	0.105	Calculated	238.3	Measured	0.134	Measured	1778.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/7/2025	0	1	165		443.1	Measured	0.25	Calculated	185.6	Measured	0.105	Calculated	237.2	Measured	0.134	Measured	1770	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/7/2025	1	1	166		438.1	Measured	0.247	Calculated	185.8	Measured	0.105	Calculated	232.1	Measured	0.131	Measured	1771.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/7/2025	2	1	165		422.1	Measured	0.238	Calculated	185.9	Measured	0.105	Calculated	233.9	Measured	0.132	Measured	1772.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/7/2025	3	1	165		439.9	Measured	0.248	Calculated	185.9	Measured	0.105	Calculated	237.5	Measured	0.134	Measured	1772.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/7/2025	4	1	165		435.1	Measured	0.251	Calculated	182	Measured	0.105	Calculated	234.3	Measured	0.135	Measured	1795.5									

State	Facility Name	Facility ID	Unit ID	Associated Stacks	Date	Hour	Operating Time	Gross Load (MW)	Steam Load (1000 lbs/hr)	SO2 Mass (lbs)	SO2 Mass Measure Indicator	SO2 Rate (lbs/mmBtu)	SO2 Rate Measure Indicator	CO2 Mass (short tons)	CO2 Mass Measure Indicator	CO2 Rate (short tons/mmBtu)	CO2 Rate Measure Indicator	NOx Mass (lbs)	NOx Mass Measure Indicator	NOx Rate (lbs/mmBtu)	NOx Rate Measure Indicator	Heat Input Measure Indicator	Primary Fuel Type	Secondary Fuel Type	Unit Type	SO2 Controls	NOx Controls	PM Controls	Hg Controls	Program Code	
MI	J H Campbell	1710	1		6/9/2025	20	1	233	568.4	Measured	0.242	Calculated	246.1	Measured	247.7	Measured	0.105	Calculated	349.6	Measured	0.149	Measured	2346.4	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/9/2025	21	1	234	591.8	Measured	0.251	Calculated	247.7	Measured	247.7	Measured	0.105	Calculated	354.3	Measured	0.15	Measured	2361.9	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/9/2025	22	1	222	574.8	Measured	0.255	Calculated	236.8	Measured	236.8	Measured	0.105	Calculated	352.2	Measured	0.156	Measured	2257.7	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		6/9/2025	23	1	171	509	Measured	0.276	Calculated	193.2	Measured	193.2	Measured	0.105	Calculated	267.2	Measured	0.145	Measured	1842.8	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	0	1	222	639.2	Measured	0.263	Calculated	237.5	Measured	237.5	Measured	0.105	Calculated	347	Measured	0.14	Measured	2264.3	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	1	1	232	620.2	Measured	0.263	Calculated	247.3	Measured	247.3	Measured	0.105	Calculated	363.2	Measured	0.154	Measured	2358.2	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	2	1	232	607.1	Measured	0.258	Calculated	247.2	Measured	247.2	Measured	0.105	Calculated	363	Measured	0.154	Measured	2357.3	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	3	1	233	609.2	Measured	0.257	Calculated	248.4	Measured	248.4	Measured	0.105	Calculated	360	Measured	0.152	Measured	2368.7	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	4	1	232	560.1	Measured	0.24	Calculated	244.8	Measured	244.8	Measured	0.105	Calculated	359.5	Measured	0.154	Measured	2334.5	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	5	1	233	578.9	Measured	0.244	Calculated	248.7	Measured	248.7	Measured	0.105	Calculated	365.2	Measured	0.154	Measured	2371.6	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	6	1	233	609.7	Measured	0.258	Calculated	247.9	Measured	247.9	Measured	0.105	Calculated	361.6	Measured	0.153	Measured	2363.5	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	7	1	233	603.1	Measured	0.255	Calculated	248.2	Measured	248.2	Measured	0.105	Calculated	355	Measured	0.15	Measured	2368.4	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	8	1	232	598	Measured	0.254	Calculated	247.3	Measured	247.3	Measured	0.105	Calculated	353.7	Measured	0.15	Measured	2358.1	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	9	1	233	597.8	Measured	0.253	Calculated	248	Measured	248	Measured	0.105	Calculated	352.3	Measured	0.149	Measured	2364.3	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	10	1	233	612.4	Measured	0.26	Calculated	247	Measured	247	Measured	0.105	Calculated	353.3	Measured	0.15	Measured	2355.2	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	11	1	233	619	Measured	0.262	Calculated	247.7	Measured	247.7	Measured	0.105	Calculated	349.6	Measured	0.148	Measured	2362	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	12	1	232	632.2	Measured	0.268	Calculated	247.7	Measured	247.7	Measured	0.105	Calculated	352	Measured	0.149	Measured	2362.1	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	13	1	233	628.6	Measured	0.265	Calculated	248.4	Measured	248.4	Measured	0.105	Calculated	360	Measured	0.152	Measured	2368.7	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	14	1	233	632.4	Measured	0.268	Calculated	247.5	Measured	247.5	Measured	0.105	Calculated	354	Measured	0.15	Measured	2360.1	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	15	1	232	635.8	Measured	0.271	Calculated	246.5	Measured	246.5	Measured	0.105	Calculated	347.8	Measured	0.148	Measured	2350.3	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	16	1	233	618.7	Measured	0.264	Calculated	246.2	Measured	246.2	Measured	0.105	Calculated	347.4	Measured	0.148	Measured	2347.1	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	17	1	232	616.6	Measured	0.263	Calculated	245.6	Measured	245.6	Measured	0.105	Calculated	344.2	Measured	0.147	Measured	2341.3	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	18	1	233	618.9	Measured	0.264	Calculated	246.3	Measured	246.3	Measured	0.105	Calculated	342.8	Measured	0.146	Measured	2347.9	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	19	1	233	620.1	Measured	0.265	Calculated	245.8	Measured	245.8	Measured	0.105	Calculated	344.5	Measured	0.147	Measured	2343.3	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	20	1	232	611.8	Measured	0.26	Calculated	245.8	Measured	245.8	Measured	0.105	Calculated	345.9	Measured	0.147	Measured	2352.8	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	21	1	233	615.7	Measured	0.26	Calculated	248.6	Measured	248.6	Measured	0.105	Calculated	350.8	Measured	0.148	Measured	2370.4	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	22	1	232	643.1	Measured	0.272	Calculated	248.1	Measured	248.1	Measured	0.105	Calculated	350.2	Measured	0.148	Measured	2366	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	23	1	233	659.7	Measured	0.279	Calculated	248.2	Measured	248.2	Measured	0.105	Calculated	350.3	Measured	0.148	Measured	2366.6	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	0	1	233	652.8	Measured	0.276	Calculated	247.7	Measured	247.7	Measured	0.105	Calculated	349.5	Measured	0.148	Measured	2361.6	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	1	1	233	637.6	Measured	0.271	Calculated	246.9	Measured	246.9	Measured	0.105	Calculated	348.5	Measured	0.148	Measured	2354.5	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	2	1	232	638.5	Measured	0.272	Calculated	245.9	Measured	245.9	Measured	0.105	Calculated	340	Measured	0.145	Measured	2346.4	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	3	1	233	626.4	Measured	0.264	Calculated	248.7	Measured	248.7	Measured	0.105	Calculated	343.8	Measured	0.145	Measured	2370.9	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	4	1	233	590.7	Measured	0.255	Calculated	243.4	Measured	243.4	Measured	0.105	Calculated	338.8	Measured	0.146	Measured	2320.7	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	5	1	233	582	Measured	0.248	Calculated	245.6	Measured	245.6	Measured	0.105	Calculated	339.6	Measured	0.145	Measured	2342.1	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	6	1	233	609.2	Measured	0.258	Calculated	247.5	Measured	247.5	Measured	0.105	Calculated	344.5	Measured	0.146	Measured	2359.4	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	7	1	232	631.8	Measured	0.269	Calculated	246.6	Measured	246.6	Measured	0.105	Calculated	350.3	Measured	0.149	Measured	2351.3	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	8	1	233	609.7	Measured	0.258	Calculated	247.6	Measured	247.6	Measured	0.105	Calculated	344.6	Measured	0.146	Measured	2360.3	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	9	1	233	619.1	Measured	0.261	Calculated	249	Measured	249	Measured	0.105	Calculated	339.5	Measured	0.143	Measured	2373.9	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	10	1	233	619.3	Measured	0.261	Calculated	248.8	Measured	248.8	Measured	0.105	Calculated	344	Measured	0.145	Measured	2372.6	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	11	1	232	641	Measured	0.27	Calculated	249.2	Measured	249.2	Measured	0.105	Calculated	346.9	Measured	0.146	Measured	2376	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	12	1	233	642.4	Measured	0.272	Calculated	247.9	Measured	247.9	Measured	0.105	Calculated	349.8	Measured	0.148	Measured	2363.6	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	13	1	233	592.7	Measured	0.248	Calculated	250.2	Measured	250.2	Measured	0.105	Calculated	350.7	Measured	0.147	Measured	2385.4	Measured	Coal	Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	14	1	233	563.7	Measured	0.237	Calculated	249.8	Measured	249.8	Measured	0.105														

State	Facility Name	Facility ID	Unit ID	Associated Stacks	Date	Hour	Operating Time	Gross Load (MW)	Steam Load (1000 lb/hr)	SO2 Mass (lbs)	SO2 Mass Measure Indicator	SO2 Rate (lbs/mmBtu)	SO2 Rate Measure Indicator	CO2 Mass (short tons)	CO2 Mass Measure Indicator	CO2 Rate (short tons/mmBtu)	CO2 Rate Measure Indicator	NOx Mass (lbs)	NOx Mass Measure Indicator	NOx Rate (lbs/mmBtu)	NOx Rate Measure Indicator	Heat Input (mmBtu)	Heat Input Measure Indicator	Primary Fuel Type	Secondary Fuel Type	Unit Type	SO2 Controls	NOx Controls	PM Controls	Hg Controls	Program Code	
MI	J H Campbell	1710	1		#####	6	1	232	504.8	Measured	0.254	Calculated	248.1	Measured	248.6	Measured	0.105	Calculated	335.9	Measured	0.142	Measured	2365.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	7	1	232	608.4	Measured	0.246	Calculated	248.6	Measured	248.6	Measured	0.105	Calculated	339	Measured	0.143	Measured	2370.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	8	1	232	589.3	Measured	0.248	Calculated	248.8	Measured	248.8	Measured	0.105	Calculated	338.2	Measured	0.143	Measured	2372.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	9	1	232	593.7	Measured	0.249	Calculated	249.6	Measured	249.6	Measured	0.105	Calculated	340.4	Measured	0.143	Measured	2380.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	10	1	232	619.2	Measured	0.261	Calculated	249.1	Measured	249.1	Measured	0.105	Calculated	337.3	Measured	0.142	Measured	2375.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	11	1	231	603.2	Measured	0.255	Calculated	248	Measured	248	Measured	0.105	Calculated	335.8	Measured	0.142	Measured	2365	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	12	1	232	601.8	Measured	0.254	Calculated	248.2	Measured	248.2	Measured	0.105	Calculated	338.5	Measured	0.143	Measured	2366.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	13	1	232	602.6	Measured	0.251	Calculated	251.3	Measured	251.3	Measured	0.105	Calculated	340.3	Measured	0.142	Measured	2396.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	14	1	232	590.3	Measured	0.249	Calculated	248.7	Measured	248.7	Measured	0.105	Calculated	343.8	Measured	0.145	Measured	2371.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	15	1	232	595.6	Measured	0.253	Calculated	247.3	Measured	247.3	Measured	0.105	Calculated	339.6	Measured	0.144	Measured	2358.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	16	1	232	607.8	Measured	0.258	Calculated	248.9	Measured	248.9	Measured	0.105	Calculated	341.3	Measured	0.145	Measured	2353.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	17	1	231	601.1	Measured	0.256	Calculated	248.4	Measured	248.4	Measured	0.105	Calculated	345.3	Measured	0.147	Measured	2349	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	18	1	232	588.9	Measured	0.251	Calculated	246.3	Measured	246.3	Measured	0.105	Calculated	345.2	Measured	0.147	Measured	2348.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	19	1	232	611.1	Measured	0.259	Calculated	247.5	Measured	247.5	Measured	0.105	Calculated	349.2	Measured	0.148	Measured	2359.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	20	1	231	602.3	Measured	0.255	Calculated	248.1	Measured	248.1	Measured	0.105	Calculated	350.1	Measured	0.148	Measured	2365.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	21	1	231	597.6	Measured	0.252	Calculated	248.5	Measured	248.5	Measured	0.105	Calculated	348.3	Measured	0.147	Measured	2369.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	22	1	232	651.1	Measured	0.273	Calculated	250.3	Measured	250.3	Measured	0.105	Calculated	350.8	Measured	0.147	Measured	2386.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	23	1	231	957.9	Measured	0.404	Calculated	248.7	Measured	248.7	Measured	0.105	Calculated	358	Measured	0.151	Measured	2370.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	0	1	232	689.4	Measured	0.291	Calculated	248.2	Measured	248.2	Measured	0.105	Calculated	347.9	Measured	0.147	Measured	2366.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	1	1	232	637.5	Measured	0.268	Calculated	249.4	Measured	249.4	Measured	0.105	Calculated	344.9	Measured	0.145	Measured	2378.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	2	1	232	643.5	Measured	0.272	Calculated	247.5	Measured	247.5	Measured	0.105	Calculated	344.6	Measured	0.146	Measured	2360	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	3	1	231	613.6	Measured	0.258	Calculated	249.5	Measured	249.5	Measured	0.105	Calculated	345	Measured	0.145	Measured	2379.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	4	1	232	571.7	Measured	0.243	Calculated	246.7	Measured	246.7	Measured	0.105	Calculated	336.4	Measured	0.143	Measured	2352.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	5	1	232	573.7	Measured	0.241	Calculated	249.4	Measured	249.4	Measured	0.105	Calculated	337.6	Measured	0.142	Measured	2377.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	6	1	232	573.6	Measured	0.241	Calculated	249.3	Measured	249.3	Measured	0.105	Calculated	337.5	Measured	0.142	Measured	2377.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	7	1	232	602	Measured	0.255	Calculated	248	Measured	248	Measured	0.105	Calculated	338.1	Measured	0.143	Measured	2364.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	8	1	231	588.2	Measured	0.248	Calculated	248.5	Measured	248.5	Measured	0.105	Calculated	336.5	Measured	0.142	Measured	2369.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	9	1	232	594.9	Measured	0.251	Calculated	248.8	Measured	248.8	Measured	0.105	Calculated	339.2	Measured	0.143	Measured	2372.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	10	1	231	583.9	Measured	0.246	Calculated	244.7	Measured	244.7	Measured	0.105	Calculated	344.7	Measured	0.145	Measured	2377.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	11	1	232	602.4	Measured	0.252	Calculated	250.4	Measured	250.4	Measured	0.105	Calculated	346.2	Measured	0.145	Measured	2387.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	12	1	231	596.1	Measured	0.25	Calculated	249.8	Measured	249.8	Measured	0.105	Calculated	347.7	Measured	0.146	Measured	2381.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	13	1	232	608.7	Measured	0.254	Calculated	251.3	Measured	251.3	Measured	0.105	Calculated	347.8	Measured	0.145	Measured	2398.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	14	1	232	585.6	Measured	0.244	Calculated	251.3	Measured	251.3	Measured	0.105	Calculated	345.1	Measured	0.144	Measured	2396.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	15	1	232	585.6	Measured	0.244	Calculated	251.3	Measured	251.3	Measured	0.105	Calculated	345.1	Measured	0.144	Measured	2396.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	16	1	232	581.9	Measured	0.245	Calculated	248.7	Measured	248.7	Measured	0.105	Calculated	341.5	Measured	0.144	Measured	2371.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	17	1	232	578.8	Measured	0.245	Calculated	247.9	Measured	247.9	Measured	0.105	Calculated	333.3	Measured	0.141	Measured	2363.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	18	1	231	608.4	Measured	0.257	Calculated	247.9	Measured	247.9	Measured	0.105	Calculated	335.6	Measured	0.142	Measured	2363.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	19	1	232	599.5	Measured	0.253	Calculated	248.4	Measured	248.4	Measured	0.105	Calculated	338.7	Measured	0.143	Measured	2368.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	20	1	231	593.5	Measured	0.249	Calculated	249.5	Measured	249.5	Measured	0.105	Calculated	342.6	Measured	0.144	Measured	2379.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	21	1	232	585.7	Measured	0.247	Calculated	248.8	Measured	248.8	Measured	0.105	Calculated	348.7	Measured	0.147	Measured	2372.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	22	1	232	591.5	Measured	0.248	Calculated	249.9	Measured	249.9	Measured	0.105	Calculated	350.3	Measured	0.147	Measured	2383.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	1		#####	23	1	232	584.5	Measured	0.245	Calculated	250.1	Measured	250.1	Measured	0.105	Calculated	348.1	Measured	0.146	Measured	2384.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSS

State	Facility Name	Facility ID	Unit ID	Associated Stacks	Date	Hour	Operating Time	Gross Load (MW)	Steam Load (1000 lb/hr)	SO2 Mass (lbs)	SO2 Mass Measure Indicator	SO2 Rate (lbs/mmBtu)	SO2 Rate Measure Indicator	CO2 Mass (short tons)	CO2 Mass Measure Indicator	CO2 Rate (short tons/mmBtu)	CO2 Rate Measure Indicator	NOx Mass (lbs)	NOx Mass Measure Indicator	NOx Rate (lbs/mmBtu)	NOx Rate Measure Indicator	Heat Input (mmBtu)	Heat Input Measure Indicator	Primary Fuel Type	Secondary Fuel Type	Unit Type	SO2 Controls	NOx Controls	PM Controls	Hg Controls	Program Code	
MI	J H Campbell	1710	1		1/1/2011	17	1	235	666.3	Measured	0.271	Calculated	258.3	Measured	259	Measured	0.105	Calculated	369.4	Measured	0.15	Measured	2462.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	18	1	235	680.9	Measured	0.276	Calculated	259	Measured	259	Measured	0.105	Calculated	363.1	Measured	0.147	Measured	2469.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	18	1	236	673.4	Measured	0.273	Calculated	258.8	Measured	258	Measured	0.105	Calculated	365.2	Measured	0.148	Measured	2467.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	19	1	235	660.6	Measured	0.269	Calculated	257.3	Measured	257	Measured	0.105	Calculated	372.9	Measured	0.152	Measured	2453.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	20	1	235	652.5	Measured	0.265	Calculated	258.3	Measured	258	Measured	0.105	Calculated	379.2	Measured	0.154	Measured	2462.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	21	1	236	651.6	Measured	0.265	Calculated	258.1	Measured	258	Measured	0.105	Calculated	376.5	Measured	0.153	Measured	2460.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	22	1	235	684.6	Measured	0.278	Calculated	258.6	Measured	258	Measured	0.105	Calculated	379.7	Measured	0.154	Measured	2465.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	23	1	235	875.9	Measured	0.358	Calculated	256.3	Measured	256	Measured	0.105	Calculated	386.2	Measured	0.158	Measured	2444.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	0	1	235	709.4	Measured	0.291	Calculated	255.9	Measured	256	Measured	0.105	Calculated	375.8	Measured	0.154	Measured	2440.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	1	1	235	665.6	Measured	0.274	Calculated	254.7	Measured	254	Measured	0.105	Calculated	369.1	Measured	0.152	Measured	2428	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	2	1	235	659.4	Measured	0.27	Calculated	256.5	Measured	256	Measured	0.105	Calculated	359.5	Measured	0.147	Measured	2445.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	3	1	235	667.8	Measured	0.272	Calculated	257.4	Measured	257	Measured	0.105	Calculated	365.7	Measured	0.149	Measured	2454.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	4	1	235	635.8	Measured	0.263	Calculated	253.5	Measured	253	Measured	0.105	Calculated	360.1	Measured	0.149	Measured	2416.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	5	1	235	650	Measured	0.267	Calculated	255.3	Measured	255	Measured	0.105	Calculated	367.6	Measured	0.151	Measured	2434.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	6	1	236	673	Measured	0.276	Calculated	255.6	Measured	255	Measured	0.105	Calculated	370.4	Measured	0.152	Measured	2436.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	7	1	235	668.5	Measured	0.276	Calculated	253.9	Measured	253	Measured	0.105	Calculated	365.5	Measured	0.151	Measured	2420.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	8	1	243	724.7	Measured	0.292	Calculated	260.7	Measured	260	Measured	0.105	Calculated	377.8	Measured	0.152	Measured	2485.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	9	1	257	692.6	Measured	0.262	Calculated	276.9	Measured	276	Measured	0.105	Calculated	390.8	Measured	0.148	Measured	2606	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	10	1	256	688.5	Measured	0.264	Calculated	273	Measured	273	Measured	0.105	Calculated	393.1	Measured	0.151	Measured	2604.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	11	1	256	701.2	Measured	0.267	Calculated	275.1	Measured	275	Measured	0.105	Calculated	396.1	Measured	0.151	Measured	2623.1	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	12	1	257	701.7	Measured	0.266	Calculated	276.9	Measured	276	Measured	0.105	Calculated	401.3	Measured	0.152	Measured	2640	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	13	1	257	713.7	Measured	0.271	Calculated	276.6	Measured	276	Measured	0.105	Calculated	403.5	Measured	0.153	Measured	2637.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	14	1	257	718.9	Measured	0.271	Calculated	277.9	Measured	277	Measured	0.105	Calculated	408	Measured	0.154	Measured	2649.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	15	1	257	715.9	Measured	0.272	Calculated	275.7	Measured	275	Measured	0.105	Calculated	399.5	Measured	0.152	Measured	2625.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	16	1	257	733.5	Measured	0.278	Calculated	276.3	Measured	276	Measured	0.105	Calculated	400.4	Measured	0.152	Measured	2634	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	17	1	256	721	Measured	0.275	Calculated	275.1	Measured	275	Measured	0.105	Calculated	393.4	Measured	0.15	Measured	2622.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	18	1	257	704.8	Measured	0.268	Calculated	276.3	Measured	276	Measured	0.105	Calculated	403.1	Measured	0.153	Measured	2634.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	19	1	258	697.5	Measured	0.265	Calculated	275.8	Measured	275	Measured	0.105	Calculated	397.1	Measured	0.151	Measured	2630	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	20	1	250	677.7	Measured	0.268	Calculated	265	Measured	265	Measured	0.105	Calculated	381.5	Measured	0.151	Measured	2526.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	21	1	256	720.6	Measured	0.28	Calculated	269.9	Measured	269	Measured	0.105	Calculated	388.5	Measured	0.151	Measured	2573	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	22	1	255	706.4	Measured	0.274	Calculated	270.5	Measured	270	Measured	0.105	Calculated	384.3	Measured	0.149	Measured	2579.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	23	1	255	693.3	Measured	0.271	Calculated	268.6	Measured	268	Measured	0.105	Calculated	379	Measured	0.148	Measured	2560.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	0		1/1/2011	0	1	256	702.9	Measured	0.274	Calculated	268.7	Measured	268	Measured	0.105	Calculated	386.8	Measured	0.151	Measured	2561.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	1	1	256	712.3	Measured	0.275	Calculated	271.5	Measured	271	Measured	0.105	Calculated	390.9	Measured	0.151	Measured	2588.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	2	1	256	699.2	Measured	0.27	Calculated	271.8	Measured	271	Measured	0.105	Calculated	386.2	Measured	0.149	Measured	2591.9	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	3	1	256	699.2	Measured	0.269	Calculated	272.3	Measured	272	Measured	0.105	Calculated	379.1	Measured	0.146	Measured	2596.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	4	1	256	703.3	Measured	0.282	Calculated	270.9	Measured	270	Measured	0.105	Calculated	382.2	Measured	0.148	Measured	2582.6	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	5	1	256	733.8	Measured	0.283	Calculated	272.3	Measured	272	Measured	0.105	Calculated	389.5	Measured	0.15	Measured	2596.5	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	6	1	255	709.8	Measured	0.273	Calculated	272.8	Measured	272	Measured	0.105	Calculated	390.2	Measured	0.15	Measured	2601.4	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	7	1	257	660	Measured	0.252	Calculated	274.4	Measured	274	Measured	0.105	Calculated	389.9	Measured	0.149	Measured	2616.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	8	1	256	646.1	Measured	0.25	Calculated	270.8	Measured	270	Measured	0.105	Calculated	384.7	Measured	0.149	Measured	2581.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		1/1/2011	9</																										

State	Facility Name	Facility ID	Unit ID	Associated Stacks	Date	Hour	Operating Time	Gross Load (MW)	Steam Load (1000 lb/hr)	SO2 Mass (lbs)	SO2 Mass Measure Indicator	SO2 Rate (lb/smmBtu)	SO2 Rate Measure Indicator	CO2 Mass (short tons)	CO2 Mass Measure Indicator	CO2 Rate (short tons/mmmBtu)	CO2 Rate Measure Indicator	NOx Mass (lbs)	NOx Mass Measure Indicator	NOx Rate (lb/smmBtu)	NOx Rate Measure Indicator	Heat Input (mmBtu)	Heat Input Measure Indicator	Primary Fuel Type	Secondary Fuel Type	Unit Type	SO2 Controls	NOx Controls	PM Controls	Hg Controls	Program Code
MI	J H Campbell	1710	1		#####	2	1	234		657	Measured	0.268	Calculated	257.1	Measured	0.105	Calculated	330.9	Measured	0.135	Measured	245.12	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	3	1	233		584.5	Measured	0.241	Calculated	254.6	Measured	0.105	Calculated	330.2	Measured	0.136	Measured	242.77	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	4	1	236		572.6	Measured	0.235	Calculated	255.1	Measured	0.105	Calculated	332.5	Measured	0.133	Measured	243.27	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	5	1	236		622.5	Measured	0.254	Calculated	257.9	Measured	0.105	Calculated	332	Measured	0.135	Measured	245.93	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	6	1	236		649.6	Measured	0.262	Calculated	259.6	Measured	0.105	Calculated	336.7	Measured	0.136	Measured	247.53	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	7	1	242		704.8	Measured	0.277	Calculated	266.4	Measured	0.105	Calculated	355.7	Measured	0.14	Measured	254.04	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	8	1	257		779.7	Measured	0.286	Calculated	266.4	Measured	0.105	Calculated	423.2	Measured	0.155	Measured	2730.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	9	1	257		755.5	Measured	0.278	Calculated	265.1	Measured	0.105	Calculated	421.3	Measured	0.155	Measured	2718.3	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	10	1	258		771.6	Measured	0.284	Calculated	285.1	Measured	0.105	Calculated	424.1	Measured	0.156	Measured	2718.7	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	11	1	258		783.4	Measured	0.287	Calculated	285.9	Measured	0.105	Calculated	419.8	Measured	0.154	Measured	2726	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	12	1	257		753.1	Measured	0.275	Calculated	286.8	Measured	0.105	Calculated	429.3	Measured	0.157	Measured	2734.8	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	13	1	258		702.9	Measured	0.255	Calculated	288.8	Measured	0.105	Calculated	432.3	Measured	0.157	Measured	2753.2	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	1		#####	14	0.85	252		581.7	Measured	0.248	Calculated	245.56	Measured	0.105	Calculated	362.9	Measured	0.155	Measured	2341.25	Measured	Coal		Tangentially-fired	Dry Sorbent Injection	Low NOx Burner Technology w/ Closed-coupled/Separated OFA	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	20	0.43	0		0	Measured	0	Calculated	1.118	Measured	0.105	Calculated	0	Measured	0.001	Measured	10.664	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	21	1	0		0	Measured	0	Calculated	1.17	Measured	0.105	Calculated	0.2	Measured	0.001	Substitute	162.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	22	1	0		0	Measured	0	Calculated	17.2	Measured	0.105	Calculated	0.2	Measured	0.001	Substitute	163.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	23	1	0		0	Measured	0	Calculated	17.4	Measured	0.105	Calculated	0.2	Measured	0.001	Substitute	165.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	0	1	0		0	Measured	0	Calculated	17.1	Measured	0.105	Calculated	0.2	Measured	0.001	Substitute	163.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	1	1	0		0	Measured	0	Calculated	17	Measured	0.105	Calculated	0.2	Measured	0.001	Substitute	162	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	2	1	0		0	Measured	0	Calculated	16.9	Measured	0.105	Calculated	0.2	Measured	0.001	Substitute	160.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	3	1	0		6.5	Measured	0.023	Calculated	30.2	Measured	0.105	Calculated	0.3	Measured	0.001	Substitute	287.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	4	1	0		7.7	Measured	0.023	Calculated	34.4	Measured	0.105	Calculated	0.3	Measured	0.001	Substitute	328.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	5	1	0		42.1	Measured	0.118	Calculated	37.3	Measured	0.105	Calculated	56.9	Measured	0.16	Measured	355.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	6	1	0		19.8	Measured	0.051	Calculated	40.4	Measured	0.105	Calculated	61.3	Measured	0.159	Measured	385.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	7	1	0		33.8	Measured	0.093	Calculated	38.1	Measured	0.105	Calculated	54.5	Measured	0.15	Measured	363.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	8	1	0		12.4	Measured	0.041	Calculated	31.4	Measured	0.105	Calculated	37.1	Measured	0.124	Measured	299.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	9	1	0		8.8	Measured	0.031	Calculated	30.1	Measured	0.105	Calculated	33	Measured	0.115	Measured	287.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	10	1	0		21.3	Measured	0.064	Calculated	35	Measured	0.105	Calculated	44	Measured	0.132	Measured	333.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	11	0.35	0		9.555	Measured	0.075	Calculated	13.33	Measured	0.105	Calculated	18.83	Measured	0.148	Measured	127.19	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	18	0.22	0		0	Measured	0	Calculated	0.57	Measured	0.106	Calculated	0.022	Measured	0.003	Measured	5.39	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	19	1	0		0	Measured	0	Calculated	10.4	Measured	0.105	Calculated	1	Measured	0.01	Measured	99	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	20	1	0		0	Measured	0	Calculated	11.9	Measured	0.105	Calculated	1.6	Measured	0.014	Measured	113.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	21	1	0		0.9	Measured	0.003	Calculated	27.4	Measured	0.105	Calculated	23.8	Measured	0.091	Measured	261	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	22	1	0		5.6	Measured	0.019	Calculated	31.7	Measured	0.105	Calculated	34.7	Measured	0.117	Measured	297	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	23	1	0		18.4	Measured	0.068	Calculated	28.5	Measured	0.105	Calculated	31.5	Measured	0.116	Measured	271.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	0	1	0		15	Measured	0.053	Calculated	29.7	Measured	0.105	Calculated	32.8	Measured	0.116	Measured	283.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	1	1	0		32.8	Measured	0.096	Calculated	35.9	Measured	0.105	Calculated	51.1	Measured	0.149	Measured	342.7	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	2	1	0		18.2	Measured	0.051	Calculated	37.5	Measured	0.105	Calculated	55.4	Measured	0.155	Measured	357.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	3	0.4	0		13.2	Measured	0.086	Calculated	16.16	Measured	0.105	Calculated	26.8	Measured	0.174	Measured	154.08	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	12	0.75	0		0	Measured	0	Calculated	2.85	Measured	0.104	Calculated	0.15	Measured	0.005	Measured	27.375	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	13	1	0		0	Measured	0	Calculated	11.5	Measured	0.105	Calculated	1.4	Measured	0.013	Measured	109.8	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	14	1	0		0.4	Measured	0.002	Calculated	26	Measured	0.105	Calculated	21.8	Measured	0.088	Measured	248.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	15	1	0		3	Measured	0.011	Calculated	29.8	Measured	0.105	Calculated	33.8	Measured	0.119	Measured	284.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	16	1	0		4.5	Measured	0.015	Calculated	31.2	Measured	0.105	Calculated	35.7	Measured	0.12	Measured	297.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	17	1	0		12.9	Measured	0.045	Calculated	30	Measured	0.105	Calculated	34.9	Measured	0.122	Measured	286.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner / Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	2		#####	18	1	0																							

State	Facility Name	Facility ID	Unit ID	Associated Stacks	Date	Hour	Operating Time	Gross Load (MW)	Steam Load (1000 lb/hr)	SO2 Mass (lbs)	SO2 Mass Measure Indicator	SO2 Rate (lbs/MMBtu)	SO2 Rate Measure Indicator	CO2 Mass (short tons)	CO2 Mass Measure Indicator	CO2 Rate (short tons/MMBtu)	CO2 Rate Measure Indicator	NOx Mass (lbs)	NOx Mass Measure Indicator	NOx Rate (lbs/MMBtu)	NOx Rate Measure Indicator	Heat Input (MMBtu)	Heat Input Measure Indicator	Primary Fuel Type	Secondary Fuel Type	Unit Type	SO2 Controls	NOx Controls	PM Controls	Hg Controls	Program Code
MI	J H Campbell	1710	2		#####	7	1	200	617	Measured		0.311	Calculated	208.2	Measured	0.105	Calculated	101.2	Measured	0.051	Measured	1984.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		#####	8	1	200	563.8	Measured		0.282	Calculated	210	Measured	0.105	Calculated	100.1	Measured	0.05	Measured	2001.9	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		#####	9	1	199	503.3	Measured		0.253	Calculated	208.5	Measured	0.105	Calculated	99.4	Measured	0.05	Measured	1986.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		#####	10	1	200	485.1	Measured		0.243	Calculated	209.6	Measured	0.105	Calculated	105.9	Measured	0.053	Measured	1998.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		#####	11	1	200	525.3	Measured		0.266	Calculated	206.8	Measured	0.105	Calculated	110.4	Measured	0.056	Measured	1972.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		#####	12	1	200	554.8	Measured		0.278	Calculated	209.7	Measured	0.105	Calculated	108	Measured	0.054	Measured	1999.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		#####	13	1	200	583.8	Measured		0.291	Calculated	210.4	Measured	0.105	Calculated	110.2	Measured	0.055	Measured	2003.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		#####	14	1	200	547.5	Measured		0.273	Calculated	210.1	Measured	0.105	Calculated	110.2	Measured	0.055	Measured	2003.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		#####	15	1	199	423.1	Measured		0.212	Calculated	209.8	Measured	0.105	Calculated	106	Measured	0.053	Measured	2000.1	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		#####	16	1	200	461.6	Measured		0.232	Calculated	208.7	Measured	0.105	Calculated	107.4	Measured	0.054	Measured	1989.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		#####	17	1	201	607.1	Measured		0.307	Calculated	207.6	Measured	0.105	Calculated	112.8	Measured	0.057	Measured	1979.4	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		#####	18	1	201	613.5	Measured		0.31	Calculated	207.8	Measured	0.105	Calculated	114.8	Measured	0.058	Measured	1979.2	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		#####	19	1	201	557.7	Measured		0.281	Calculated	208.1	Measured	0.105	Calculated	113.1	Measured	0.057	Measured	1984.3	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSSO2G1, MATS
MI	J H Campbell	1710	2		#####	20	1	199	495.5	Measured		0.25	Calculated	208.2	Measured	0.105	Calculated	107.2	Measured	0.054	Measured	1985.5	Measured	Coal		Cell burner boiler	Dry Sorbent Injection	Low NOx Cell Burner Selective Catalytic Reduction	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSO5G2E, CSSO2G1, MATS

State	Facility Name	Facility ID	Unit ID	Associated Stacks	Date	Hour	Operating Time	Gross Load (MW)	Steam Load (1000 lb/hr)	SO2 Mass (lbs)	SO2 Mass Measure Indicator	SO2 Rate (lbs/mmBtu)	SO2 Rate Measure Indicator	CO2 Mass (short tons)	CO2 Mass Measure Indicator	CO2 Rate (short tons/mmBtu)	CO2 Rate Measure Indicator	NOx Mass (lbs)	NOx Mass Measure Indicator	NOx Rate (lbs/mmBtu)	NOx Rate Measure Indicator	Heat Input (mmBtu)	Heat Input Measure Indicator	Primary Fuel Type	Secondary Fuel Type	Unit Type	SO2 Controls	NOx Controls	PM Controls	Hg Controls	Program Code
MI	J H Campbell	1710	3		6/4/2025	17	1	701		188.1	Measured	0.025	Calculated	783.5	Measured	0.105	Calculated	373.5	Measured	0.05	Measured	7470.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	18	1	703		240.7	Measured	0.032	Calculated	792	Measured	0.105	Calculated	370	Measured	0.049	Measured	7551.9	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	19	1	702		270.6	Measured	0.036	Calculated	791.5	Measured	0.105	Calculated	377.4	Measured	0.05	Measured	7547	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	20	1	702		540	Measured	0.072	Calculated	784	Measured	0.105	Calculated	366.3	Measured	0.049	Measured	7474.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	21	1	701		285.3	Measured	0.038	Calculated	782.2	Measured	0.105	Calculated	350.5	Measured	0.047	Measured	7458.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	22	1	701		265.4	Measured	0.035	Calculated	791.1	Measured	0.105	Calculated	347	Measured	0.046	Measured	7542.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/4/2025	23	1	702		349	Measured	0.046	Calculated	782.1	Measured	0.105	Calculated	400.3	Measured	0.053	Measured	7552	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	1	1	703		380.8	Measured	0.05	Calculated	791.3	Measured	0.105	Calculated	392.4	Measured	0.052	Measured	7545.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	1	1	702		367.8	Measured	0.049	Calculated	789.2	Measured	0.105	Calculated	376.3	Measured	0.052	Measured	7525.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	2	1	702		351.1	Measured	0.046	Calculated	792.2	Measured	0.105	Calculated	377.7	Measured	0.05	Measured	7553.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	3	1	702		331.1	Measured	0.044	Calculated	792.5	Measured	0.105	Calculated	385.4	Measured	0.051	Measured	7556	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	4	1	702		447	Measured	0.059	Calculated	791.5	Measured	0.105	Calculated	422.6	Measured	0.056	Measured	7546.7	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	5	1	703		321.3	Measured	0.042	Calculated	793	Measured	0.105	Calculated	438.5	Measured	0.058	Measured	7561.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	6	1	702		381.3	Measured	0.05	Calculated	799.3	Measured	0.105	Calculated	434.4	Measured	0.057	Measured	7620.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	7	1	702		309.5	Measured	0.041	Calculated	793.6	Measured	0.105	Calculated	423.8	Measured	0.056	Measured	7567.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	8	1	702		326.6	Measured	0.043	Calculated	798.1	Measured	0.105	Calculated	444.2	Measured	0.061	Measured	7609.9	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	9	1	703		393.3	Measured	0.052	Calculated	799.2	Measured	0.105	Calculated	495.3	Measured	0.065	Measured	7620.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	10	1	702		544.7	Measured	0.072	Calculated	790.8	Measured	0.105	Calculated	505.2	Measured	0.067	Measured	7540.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	11	1	704		454.2	Measured	0.06	Calculated	796.9	Measured	0.105	Calculated	577.5	Measured	0.076	Measured	7598.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	12	1	737		320.7	Measured	0.041	Calculated	828	Measured	0.105	Calculated	763.9	Measured	0.097	Measured	7875.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	13	1	732		392.9	Measured	0.051	Calculated	815.2	Measured	0.105	Calculated	761.7	Measured	0.098	Measured	7772.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	14	1	731		488.6	Measured	0.063	Calculated	811	Measured	0.105	Calculated	788.7	Measured	0.102	Measured	7732.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	15	1	731		588.1	Measured	0.076	Calculated	811.9	Measured	0.105	Calculated	472.2	Measured	0.061	Measured	7741.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	16	1	749		494	Measured	0.063	Calculated	826.8	Measured	0.105	Calculated	417.9	Measured	0.053	Measured	7884.7	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	17	1	739		341.9	Measured	0.044	Calculated	822.8	Measured	0.105	Calculated	415.7	Measured	0.053	Measured	7843.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	18	1	756		293	Measured	0.037	Calculated	834.8	Measured	0.105	Calculated	453.7	Measured	0.057	Measured	7959.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	19	1	757		348.4	Measured	0.044	Calculated	833.2	Measured	0.105	Calculated	413.1	Measured	0.052	Measured	7944.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	20	1	756		499.5	Measured	0.063	Calculated	825.5	Measured	0.105	Calculated	425	Measured	0.054	Measured	7870.7	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	21	1	757		440.4	Measured	0.056	Calculated	827.5	Measured	0.105	Calculated	434	Measured	0.055	Measured	7890.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	22	1	756		347.5	Measured	0.044	Calculated	828.9	Measured	0.105	Calculated	403	Measured	0.051	Measured	7902.9	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/5/2025	23	1	757		368.3	Measured	0.047	Calculated	828.8	Measured	0.105	Calculated	426.7	Measured	0.054	Measured	7902.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	0	1	757		382.4	Measured	0.048	Calculated	827.7	Measured	0.105	Calculated	386.7	Measured	0.049	Measured	7892.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	1	1	757		384.4	Measured	0.049	Calculated	827.6	Measured	0.105	Calculated	347.2	Measured	0.044	Measured	7890.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	2	1	756		409.3	Measured	0.052	Calculated	827.6	Measured	0.105	Calculated	363	Measured	0.046	Measured	7891.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	3	1	756		373.4	Measured	0.047	Calculated	826.2	Measured	0.105	Calculated	362.4	Measured	0.046	Measured	7878	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	4	1	756		341.9	Measured	0.043	Calculated	825.2	Measured	0.105	Calculated	354.1	Measured	0.045	Measured	7868.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	5	1	757		328.5	Measured	0.041	Calculated	835.2	Measured	0.105	Calculated	358.4	Measured	0.045	Measured	7963.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	6	1	757		363.4	Measured	0.046	Calculated	834.4	Measured	0.105	Calculated	381.9	Measured	0.048	Measured	7955.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	7	1	756		697	Measured	0.088	Calculated	830.9	Measured	0.105	Calculated	404	Measured	0.051	Measured	7922.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	8	1	717		419.4	Measured	0.055	Calculated	796.3	Measured	0.105	Calculated	303.7	Measured	0.04	Measured	7592.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	9	1	755		425.5	Measured	0.054	Calculated	796.2	Measured	0.105	Calculated	402	Measured	0.051	Measured	7882.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	10	1	757		353.6	Measured	0.045	Calculated	828.5	Measured	0.105	Calculated	379.2	Measured	0.048	Measured	7889.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS
MI	J H Campbell	1710	3		6/6/2025	11	1	756		340.7	Measured	0.043	Calculated	827.5	Measured	0.105	Calculated	347.1													

State	Facility Name	Facility ID	Unit ID	Associated Stacks	Date	Hour	Operating Time	Gross Load (MW)	Steam Load (1000 lb/hr)	SO2 Mass (lbs)	SO2 Mass Measure Indicator	SO2 Rate (lbs/mmBtu)	SO2 Rate Measure Indicator	CO2 Mass (short tons)	CO2 Mass Measure Indicator	CO2 Rate (short tons/mmBtu)	CO2 Rate Measure Indicator	NOx Mass (lbs)	NOx Mass Measure Indicator	NOx Rate (lbs/mmBtu)	NOx Rate Measure Indicator	Heat Input (mmBtu)	Heat Input Measure Indicator	Primary Fuel Type	Secondary Fuel Type	Unit Type	SO2 Controls	NOx Controls	PM Controls	Hg Controls	Program Code	
MI	J H Campbell	1710	3		6/9/2025	3	1	756	428.7	Measured	0.056	Calculated	810.1	Measured	809	Measured	0.105	Calculated	370.7	Measured	0.048	Measured	7723.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		6/9/2025	4	1	756	403.6	Measured	0.052	Calculated	809	Measured	809	Measured	0.105	Calculated	378	Measured	0.049	Measured	7774	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		6/9/2025	5	1	757	417.7	Measured	0.054	Calculated	815.6	Measured	809	Measured	0.105	Calculated	373.3	Measured	0.048	Measured	7775.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		6/9/2025	6	1	756	391.2	Measured	0.05	Calculated	815.9	Measured	809	Measured	0.105	Calculated	389	Measured	0.05	Measured	7779.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		6/9/2025	7	1	757	307.5	Measured	0.04	Calculated	816.4	Measured	809	Measured	0.105	Calculated	365.9	Measured	0.047	Measured	7784.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		6/9/2025	8	1	757	451.8	Measured	0.058	Calculated	816	Measured	809	Measured	0.105	Calculated	366.6	Measured	0.047	Measured	7799	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		6/9/2025	9	1	757	1165	Measured	0.15	Calculated	816.7	Measured	809	Measured	0.105	Calculated	358.2	Measured	0.046	Measured	7786.7	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		6/9/2025	10	1	757	1264	Measured	0.163	Calculated	815.3	Measured	809	Measured	0.105	Calculated	373.2	Measured	0.048	Measured	7774	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		6/9/2025	11	1	756	832	Measured	0.106	Calculated	821.3	Measured	809	Measured	0.105	Calculated	430.7	Measured	0.055	Substitute	7830.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		6/9/2025	12	1	757	833.4	Measured	0.106	Calculated	822.6	Measured	809	Measured	0.105	Calculated	431.4	Measured	0.055	Substitute	7843.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		6/9/2025	13	1	758	389.2	Measured	0.05	Calculated	818.7	Measured	809	Measured	0.105	Calculated	359.1	Measured	0.046	Measured	7806.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		6/9/2025	14	1	758	531.6	Measured	0.068	Calculated	818.3	Measured	809	Measured	0.105	Calculated	351.1	Measured	0.045	Measured	7802.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		6/9/2025	15	1	757	487.7	Measured	0.063	Calculated	809.4	Measured	809	Measured	0.105	Calculated	339.6	Measured	0.044	Measured	7717.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		6/9/2025	16	1	757	314.6	Measured	0.04	Calculated	820.9	Measured	809	Measured	0.105	Calculated	320.8	Measured	0.041	Measured	7825.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		6/9/2025	17	1	757	349.8	Measured	0.045	Calculated	821.9	Measured	809	Measured	0.105	Calculated	384	Measured	0.049	Measured	7836.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		6/9/2025	18	1	758	382.1	Measured	0.049	Calculated	820.8	Measured	809	Measured	0.105	Calculated	399.1	Measured	0.051	Measured	7826.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		6/9/2025	19	1	758	355.2	Measured	0.045	Calculated	820.2	Measured	809	Measured	0.105	Calculated	422.3	Measured	0.054	Measured	7819.9	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		6/9/2025	20	1	757	322.5	Measured	0.041	Calculated	820.1	Measured	809	Measured	0.105	Calculated	391	Measured	0.05	Measured	7819.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		6/9/2025	21	1	757	342.4	Measured	0.044	Calculated	823.6	Measured	809	Measured	0.105	Calculated	353.4	Measured	0.045	Measured	7853.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		6/9/2025	22	1	758	377.5	Measured	0.048	Calculated	824.3	Measured	809	Measured	0.105	Calculated	353.7	Measured	0.045	Measured	7859.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		6/9/2025	23	1	757	461.4	Measured	0.059	Calculated	823.8	Measured	809	Measured	0.105	Calculated	369.2	Measured	0.047	Measured	7854.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	0	1	758	444.8	Measured	0.057	Calculated	823.4	Measured	809	Measured	0.105	Calculated	392.6	Measured	0.05	Measured	7851.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	1	1	759	436.6	Measured	0.056	Calculated	816.4	Measured	809	Measured	0.105	Calculated	381.4	Measured	0.049	Measured	7783.9	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	2	1	758	448.9	Measured	0.058	Calculated	816.4	Measured	809	Measured	0.105	Calculated	381.4	Measured	0.049	Measured	7784.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	3	1	758	349.6	Measured	0.045	Calculated	814.2	Measured	809	Measured	0.105	Calculated	434.8	Measured	0.056	Measured	7763.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	4	1	757	629.4	Measured	0.081	Calculated	818.3	Measured	809	Measured	0.105	Calculated	444.7	Measured	0.057	Measured	7802.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	5	1	756	483.6	Measured	0.062	Calculated	816.3	Measured	809	Measured	0.105	Calculated	389.2	Measured	0.05	Measured	7783.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	6	1	758	658.9	Measured	0.084	Calculated	821.5	Measured	809	Measured	0.105	Calculated	391.6	Measured	0.05	Measured	7832.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	7	1	757	392.8	Measured	0.05	Calculated	824.7	Measured	809	Measured	0.105	Calculated	385.3	Measured	0.049	Measured	7863.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	8	1	758	502.4	Measured	0.063	Calculated	820.8	Measured	809	Measured	0.105	Calculated	411.9	Measured	0.052	Measured	7921.7	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	9	1	758	567.5	Measured	0.072	Calculated	826.1	Measured	809	Measured	0.105	Calculated	417.5	Measured	0.053	Measured	7876.7	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	10	1	758	561.1	Measured	0.071	Calculated	829.7	Measured	809	Measured	0.105	Calculated	371.8	Measured	0.047	Measured	7910.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	11	1	757	519.9	Measured	0.065	Calculated	826.3	Measured	809	Measured	0.105	Calculated	381.1	Measured	0.048	Measured	7938.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	12	1	758	523.4	Measured	0.066	Calculated	834.9	Measured	809	Measured	0.105	Calculated	406	Measured	0.051	Measured	7960.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	13	1	759	515.5	Measured	0.065	Calculated	832.7	Measured	809	Measured	0.105	Calculated	420.5	Measured	0.053	Measured	7934.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	14	1	757	559	Measured	0.071	Calculated	822.6	Measured	809	Measured	0.105	Calculated	415.7	Measured	0.053	Measured	7843	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	15	1	758	768.8	Measured	0.098	Calculated	823.7	Measured	809	Measured	0.105	Calculated	384.8	Measured	0.049	Measured	7853.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	16	1	757	502.7	Measured	0.066	Calculated	826.8	Measured	809	Measured	0.105	Calculated	386.3	Measured	0.049	Measured	7883.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	17	1	758	379	Measured	0.048	Calculated	827.5	Measured	809	Measured	0.105	Calculated	418.2	Measured	0.053	Measured	7890.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	18	1	758	464.3	Measured	0.059	Calculated	825.4	Measured	809	Measured	0.105	Calculated	495.8	Measured	0.063	Measured	7869.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	19	1	759	401.9	Measured	0.051	Calculated	828.1	Measured	809	Measured	0.105	Calculated	679	Measured	0.086	Measured	7895.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS
MI	J H Campbell	1710	3		#####	20	1	757	629.2	Measured	0.08	Calculated	823.4	Measured																		

State	Facility Name	Facility ID	Unit ID	Associated Stacks	Date	Hour	Operating Time	Gross Load (MW)	Steam Load (1000 lb/hr)	SO2 Mass (lbs)	SO2 Mass Measure Indicator	SO2 Rate (lbs/mmBtu)	SO2 Rate Measure Indicator	CO2 Mass (short tons)	CO2 Mass Measure Indicator	CO2 Rate (short tons/mmBtu)	CO2 Rate Measure Indicator	NOx Mass (lbs)	NOx Mass Measure Indicator	NOx Rate (lbs/mmBtu)	NOx Rate Measure Indicator	Heat Input (mmBtu)	Heat Input Measure Indicator	Primary Fuel Type	Secondary Fuel Type	Unit Type	SO2 Controls	NOx Controls	PM Controls	Hg Controls	Program Code
MI	J H Campbell	1710	3	#####	13	1	758		336.7	Measured	0.043	Calculated	826.8	Measured	0.105	Calculated	386.3	Measured	0.049	Measured	7883.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	14	1	757		388.2	Measured	0.049	Calculated	830.5	Measured	0.105	Calculated	388	Measured	0.049	Measured	7818.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	15	1	757		379.1	Measured	0.048	Calculated	832.7	Measured	0.105	Calculated	404.9	Measured	0.051	Measured	7932.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	16	1	757		464.2	Measured	0.059	Calculated	832	Measured	0.105	Calculated	404.6	Measured	0.051	Measured	7932.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	17	1	758		452.9	Measured	0.057	Calculated	829.8	Measured	0.105	Calculated	403.5	Measured	0.051	Measured	7911.9	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	18	1	757		376.9	Measured	0.048	Calculated	827.9	Measured	0.105	Calculated	426.3	Measured	0.054	Measured	7893.9	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	19	1	757		428.3	Measured	0.054	Calculated	829.5	Measured	0.105	Calculated	427.1	Measured	0.054	Measured	7908.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	20	1	757		469.9	Measured	0.06	Calculated	824	Measured	0.105	Calculated	400.7	Measured	0.051	Measured	7858.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	21	1	758		311.5	Measured	0.039	Calculated	831.9	Measured	0.105	Calculated	412.5	Measured	0.052	Measured	7932.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	22	1	758		334.5	Measured	0.042	Calculated	833.3	Measured	0.105	Calculated	421.1	Measured	0.053	Measured	7945.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	23	1	758		291.1	Measured	0.037	Calculated	831.9	Measured	0.105	Calculated	420.4	Measured	0.053	Measured	7931.7	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	0	1	756		492.6	Measured	0.062	Calculated	828.5	Measured	0.105	Calculated	395	Measured	0.05	Measured	7899.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	1	1	756		413.5	Measured	0.052	Calculated	827.2	Measured	0.105	Calculated	370.7	Measured	0.047	Measured	7886.7	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	2	1	758		609.7	Measured	0.077	Calculated	829.1	Measured	0.105	Calculated	363.6	Measured	0.046	Measured	7903.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	3	1	756		607.2	Measured	0.072	Calculated	831.7	Measured	0.105	Calculated	372.7	Measured	0.047	Measured	7903	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	4	1	756		396.3	Measured	0.05	Calculated	828.8	Measured	0.105	Calculated	371.4	Measured	0.047	Measured	7902.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	5	1	756		380.5	Measured	0.048	Calculated	829.5	Measured	0.105	Calculated	363.8	Measured	0.046	Measured	7909.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	6	1	758		393.8	Measured	0.05	Calculated	832.1	Measured	0.105	Calculated	365	Measured	0.046	Measured	7934	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	7	1	757		356.7	Measured	0.045	Calculated	830.4	Measured	0.105	Calculated	364.2	Measured	0.046	Measured	7917.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	8	1	758		420.8	Measured	0.053	Calculated	833.5	Measured	0.105	Calculated	365.6	Measured	0.046	Measured	7947.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	9	1	758		270.5	Measured	0.034	Calculated	825	Measured	0.105	Calculated	361.8	Measured	0.046	Measured	7865.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	10	1	758		285.3	Measured	0.036	Calculated	826.8	Measured	0.105	Calculated	378.4	Measured	0.048	Measured	7883.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	11	1	757		411	Measured	0.052	Calculated	827.2	Measured	0.105	Calculated	370.7	Measured	0.047	Measured	7887.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	12	1	758		369.8	Measured	0.047	Calculated	830.2	Measured	0.105	Calculated	387.9	Measured	0.049	Measured	7916	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	13	1	757		474.4	Measured	0.06	Calculated	828.3	Measured	0.105	Calculated	394.9	Measured	0.05	Measured	7897.9	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	14	1	758		305.7	Measured	0.039	Calculated	824.0	Measured	0.105	Calculated	398.9	Measured	0.051	Measured	7822.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	15	1	757		290.9	Measured	0.037	Calculated	820.4	Measured	0.105	Calculated	393	Measured	0.05	Measured	7860.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	16	1	757		513.7	Measured	0.065	Calculated	826.5	Measured	0.105	Calculated	378.2	Measured	0.048	Measured	7880.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	17	1	757		229.5	Measured	0.029	Calculated	822.9	Measured	0.105	Calculated	368.8	Measured	0.047	Measured	7845.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	18	1	758		224.6	Measured	0.028	Calculated	827.4	Measured	0.105	Calculated	362.9	Measured	0.046	Measured	7888.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	19	1	758		632.1	Measured	0.08	Calculated	825.7	Measured	0.105	Calculated	369.8	Measured	0.047	Measured	7867.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	20	1	757		309.1	Measured	0.039	Calculated	823.7	Measured	0.105	Calculated	369.2	Measured	0.047	Measured	7855.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	21	1	758		322.8	Measured	0.041	Calculated	827.7	Measured	0.105	Calculated	386.7	Measured	0.049	Measured	7892.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	22	1	758		303.6	Measured	0.039	Calculated	825.5	Measured	0.105	Calculated	409.3	Measured	0.052	Measured	7870.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	23	1	758		323.8	Measured	0.041	Calculated	825.1	Measured	0.105	Calculated	393.3	Measured	0.05	Measured	7866.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	0	1	758		308	Measured	0.039	Calculated	826.3	Measured	0.105	Calculated	393.9	Measured	0.05	Measured	7878.9	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	1	1	757		333.2	Measured	0.042	Calculated	828.2	Measured	0.105	Calculated	402.7	Measured	0.051	Measured	7896.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	2	1	758		367.5	Measured	0.047	Calculated	827.3	Measured	0.105	Calculated	402.3	Measured	0.051	Measured	7888.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	3	1	757		360.5	Measured	0.046	Calculated	829.8	Measured	0.105	Calculated	403.5	Measured	0.051	Measured	7912.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	4	1	757		404.6	Measured	0.051	Calculated	827.9	Measured	0.105	Calculated	394.7	Measured	0.05	Measured	7893.9	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	5	1	757		393.6	Measured	0.05	Calculated	826.3	Measured	0.105	Calculated	386.1	Measured	0.049	Measured	7879	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	6	1	758		373.9	Measured	0.047	Calculated	835	Measured	0.105	Calculated	366.2	Measured	0.046	Measured	7961.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	7	1	758		328.7	Measured	0.041	Calculated	834.3	Measured	0.105	Calculated	389.8	Measured	0.049	Measured	7955	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI	J H Campbell	1710	3	#####	8	1	758		333.1	Measured	0.042	Calculated	834.9	Measured	0.105	Calculated	374.1	Measured	0.047	Measured	7960.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSO5G2E, CSS02G1, MATS	
MI</																															

State	Facility Name	Facility ID	Unit ID	Associated Stacks	Date	Hour	Operating Time	Gross Load (MW)	Steam Load (1000 lb/hr)	SO2 Mass (lbs)	SO2 Mass Measure Indicator	SO2 Rate (lbs/mmBtu)	SO2 Rate Measure Indicator	CO2 Mass (short tons)	CO2 Mass Measure Indicator	CO2 Rate (short tons/mmBtu)	CO2 Rate Measure Indicator	NOx Mass (lbs)	NOx Mass Measure Indicator	NOx Rate (lbs/mmBtu)	NOx Rate Measure Indicator	Heat Input (mmBtu)	Heat Input Measure Indicator	Primary Fuel Type	Secondary Fuel Type	Unit Type	SO2 Controls	NOx Controls	PM Controls	Hg Controls	Program Code
MI	J H Campbell	1710	3	#####	23	1	617	74.8	Measured	0.011	Calculated	695.2	Measured	0.105	Calculated	464	Measured	0.07	Measured	6628.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	0	1	600	158.1	Measured	0.024	Calculated	692.7	Measured	0.105	Calculated	264.2	Measured	0.04	Measured	6604.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	1	1	599	179.8	Measured	0.027	Calculated	692.4	Measured	0.105	Calculated	231.1	Measured	0.035	Measured	6601.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	2	1	600	208.1	Measured	0.031	Calculated	695.7	Measured	0.105	Calculated	238.8	Measured	0.036	Measured	6632.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	3	1	599	212	Measured	0.032	Calculated	696.5	Measured	0.105	Calculated	252.3	Measured	0.039	Measured	6640.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	4	1	620	222.9	Measured	0.032	Calculated	720.4	Measured	0.105	Calculated	267.9	Measured	0.039	Measured	6868.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	5	1	675	277.4	Measured	0.038	Calculated	771.4	Measured	0.105	Calculated	331	Measured	0.045	Measured	7355.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	6	1	754	519	Measured	0.064	Calculated	848.6	Measured	0.105	Calculated	356	Measured	0.044	Measured	8091.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	7	1	756	336.7	Measured	0.042	Calculated	840.8	Measured	0.105	Calculated	360.7	Measured	0.045	Measured	8016.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	8	1	754	238.7	Measured	0.03	Calculated	833.5	Measured	0.105	Calculated	365.6	Measured	0.046	Measured	7947.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	9	1	755	520.8	Measured	0.066	Calculated	824.9	Measured	0.105	Calculated	361.8	Measured	0.046	Measured	7855.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	10	1	754	321.5	Measured	0.041	Calculated	824.4	Measured	0.105	Calculated	377.3	Measured	0.048	Measured	7860.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	11	1	754	412.9	Measured	0.053	Calculated	824.2	Measured	0.105	Calculated	392.9	Measured	0.05	Measured	7858.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	12	1	755	388.7	Measured	0.049	Calculated	824.6	Measured	0.105	Calculated	377.4	Measured	0.048	Measured	7862.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	13	1	754	455.1	Measured	0.058	Calculated	826.4	Measured	0.105	Calculated	362.5	Measured	0.046	Measured	7879.9	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	14	1	754	509.4	Measured	0.065	Calculated	819	Measured	0.105	Calculated	382.7	Measured	0.049	Measured	7809.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	15	1	754	373.6	Measured	0.048	Calculated	822.8	Measured	0.105	Calculated	392.2	Measured	0.05	Measured	7844.9	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	16	1	754	282	Measured	0.036	Calculated	828	Measured	0.105	Calculated	386.9	Measured	0.049	Measured	7895.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	17	1	754	366.1	Measured	0.047	Calculated	821.6	Measured	0.105	Calculated	376	Measured	0.048	Measured	7833.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	18	1	755	375.6	Measured	0.048	Calculated	820.2	Measured	0.105	Calculated	461.4	Measured	0.059	Measured	7820.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	19	1	754	427.5	Measured	0.055	Calculated	818.6	Measured	0.105	Calculated	437.1	Measured	0.056	Measured	7805.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	20	1	755	390.1	Measured	0.05	Calculated	822.1	Measured	0.105	Calculated	415.4	Measured	0.053	Measured	7838.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	21	1	755	406.5	Measured	0.051	Calculated	829	Measured	0.105	Calculated	450.6	Measured	0.057	Measured	7904.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	22	1	755	419.7	Measured	0.054	Calculated	819.5	Measured	0.105	Calculated	422	Measured	0.054	Measured	7814.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	23	1	754	360.6	Measured	0.046	Calculated	820.8	Measured	0.105	Calculated	422.6	Measured	0.054	Measured	7826.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	0	1	755	371.6	Measured	0.047	Calculated	822.2	Measured	0.105	Calculated	399.8	Measured	0.051	Measured	7839.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	1	1	755	412.2	Measured	0.053	Calculated	820.9	Measured	0.105	Calculated	422.7	Measured	0.054	Measured	7827.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	2	1	754	409.7	Measured	0.052	Calculated	819.9	Measured	0.105	Calculated	390.9	Measured	0.05	Measured	7818	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	3	1	753	374.6	Measured	0.048	Calculated	819.9	Measured	0.105	Calculated	390.9	Measured	0.05	Measured	7817.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	4	1	754	375.5	Measured	0.048	Calculated	828.8	Measured	0.105	Calculated	395.1	Measured	0.05	Measured	7902.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	5	1	754	377.6	Measured	0.048	Calculated	829	Measured	0.105	Calculated	395.2	Measured	0.05	Measured	7904.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	6	1	754	387.5	Measured	0.049	Calculated	835.1	Measured	0.105	Calculated	390.2	Measured	0.049	Measured	7962.7	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	7	1	755	362.2	Measured	0.045	Calculated	840.8	Measured	0.105	Calculated	384.8	Measured	0.048	Measured	8017.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	8	1	753	405.2	Measured	0.05	Calculated	847.6	Measured	0.105	Calculated	387.9	Measured	0.048	Measured	8081.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	9	1	754	336.7	Measured	0.042	Calculated	839	Measured	0.105	Calculated	400	Measured	0.05	Measured	7999.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	10	1	756	335.5	Measured	0.042	Calculated	841.1	Measured	0.105	Calculated	368.9	Measured	0.046	Measured	8019.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	11	1	757	362.3	Measured	0.045	Calculated	841.1	Measured	0.105	Calculated	393	Measured	0.049	Measured	8019.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	12	1	757	374.9	Measured	0.047	Calculated	841.1	Measured	0.105	Calculated	385.2	Measured	0.048	Measured	8025.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	13	1	757	672.7	Measured	0.083	Calculated	845.1	Measured	0.105	Calculated	368.8	Measured	0.048	Measured	8058.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	14	1	757	596.1	Measured	0.075	Calculated	838.3	Measured	0.105	Calculated	383.7	Measured	0.048	Measured	7992.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	15	1	757	279.9	Measured	0.035	Calculated	843.1	Measured	0.105	Calculated	404.3	Measured	0.05	Measured	8086.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	16	1	757	356.5	Measured	0.044	Calculated	849.2	Measured	0.105	Calculated	388.6	Measured	0.048	Measured	8096.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	17	1	757	377	Measured	0.047	Calculated	841.8	Measured	0.105	Calculated	369.2	Measured	0.046	Measured	8026	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	18	1	757	373.4	Measured	0.046	Calculated	843.1	Measured	0.105	Calculated	377.8	Measured	0.047	Measured	8038.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CSOSG2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	#####	19	1	757	384.2	Measured	0.048	Calculated	844.1	Measured	0.105	Calculated	394.4	Measured	0.049	Measured	8048.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogen			

State	Facility Name	Facility ID	Unit ID	Associated Stacks	Date	Hour	Operating Time	Gross Load (MW)	Steam Load (1000 lb/hr)	S02 Mass (lbs)	S02 Mass Measure Indicator	S02 Rate (lbs/mmBtu)	S02 Rate Measure Indicator	C02 Mass (short tons)	C02 Mass Measure Indicator	C02 Rate (short tons/mmBtu)	C02 Rate Measure Indicator	NOx Mass (lbs)	NOx Mass Measure Indicator	NOx Rate (lbs/mmBtu)	NOx Rate Measure Indicator	Heat Input (mmBtu)	Heat Input Measure Indicator	Primary Fuel Type	Secondary Fuel Type	Unit Type	S02 Controls	NOx Controls	PM Controls	Hg Controls	Program Code
MI	J H Campbell	1710	3	#####	9	1	759	527.6	Measured	0.065	Calculated	845.9	Measured	812.28	Measured	0.105	Calculated	363	Measured	0.045	Measured	8065.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	10	1	758	363.9	Measured	0.045	Calculated	851.9	Measured	812.28	Measured	0.105	Calculated	373.6	Measured	0.046	Measured	8112.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	11	1	758	404.7	Measured	0.05	Calculated	850.8	Measured	812.28	Measured	0.105	Calculated	381.3	Measured	0.047	Measured	8112.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	12	1	760	457.2	Measured	0.057	Calculated	845.4	Measured	812.28	Measured	0.105	Calculated	370.8	Measured	0.046	Measured	8065.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	13	1	760	401.7	Measured	0.05	Calculated	846	Measured	812.28	Measured	0.105	Calculated	387.2	Measured	0.048	Measured	8066.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	14	1	760	740.5	Measured	0.092	Calculated	845.2	Measured	812.28	Measured	0.105	Calculated	386.8	Measured	0.048	Measured	8058.7	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	15	1	759	521.6	Measured	0.065	Calculated	842.9	Measured	812.28	Measured	0.105	Calculated	385.8	Measured	0.048	Measured	8036.7	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	16	1	759	406.3	Measured	0.05	Calculated	845.5	Measured	812.28	Measured	0.105	Calculated	387	Measured	0.048	Measured	8061.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	17	1	758	396.4	Measured	0.049	Calculated	841.9	Measured	812.28	Measured	0.105	Calculated	385.3	Measured	0.048	Measured	8027	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	18	1	759	398.7	Measured	0.05	Calculated	842.4	Measured	812.28	Measured	0.105	Calculated	377.5	Measured	0.047	Measured	8032.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	19	1	759	356.7	Measured	0.044	Calculated	844.7	Measured	812.28	Measured	0.105	Calculated	378.5	Measured	0.047	Measured	8054.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	20	1	758	377.6	Measured	0.047	Calculated	845.5	Measured	812.28	Measured	0.105	Calculated	395	Measured	0.049	Measured	8061.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	21	1	758	415	Measured	0.051	Calculated	846.5	Measured	812.28	Measured	0.105	Calculated	379.3	Measured	0.047	Measured	8070.7	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	22	1	759	562.6	Measured	0.07	Calculated	848.1	Measured	812.28	Measured	0.105	Calculated	371.1	Measured	0.046	Measured	8067.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	23	1	758	482.3	Measured	0.06	Calculated	849.2	Measured	812.28	Measured	0.105	Calculated	372.5	Measured	0.046	Measured	8097.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	0	1	760	453.7	Measured	0.056	Calculated	853.6	Measured	812.28	Measured	0.105	Calculated	398.8	Measured	0.049	Measured	8139.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	1	1	759	403.5	Measured	0.049	Calculated	857	Measured	812.28	Measured	0.105	Calculated	400.4	Measured	0.049	Measured	8171.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	2	1	760	499.6	Measured	0.062	Calculated	850.7	Measured	812.28	Measured	0.105	Calculated	381.2	Measured	0.047	Measured	8111.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	3	1	758	490.1	Measured	0.06	Calculated	855.5	Measured	812.28	Measured	0.105	Calculated	367.1	Measured	0.045	Measured	8157.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	4	1	712	320.2	Measured	0.041	Calculated	812.8	Measured	812.28	Measured	0.105	Calculated	271.2	Measured	0.035	Measured	7749.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	5	1	662	352.5	Measured	0.048	Calculated	776.2	Measured	812.28	Measured	0.105	Calculated	325.6	Measured	0.044	Measured	7401.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	6	1	754	651.5	Measured	0.08	Calculated	858.3	Measured	812.28	Measured	0.105	Calculated	368.3	Measured	0.045	Measured	8183.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	7	1	760	559.9	Measured	0.068	Calculated	858.4	Measured	812.28	Measured	0.105	Calculated	376.5	Measured	0.046	Measured	8184.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	8	1	759	390.2	Measured	0.05	Calculated	826.3	Measured	812.28	Measured	0.105	Calculated	378.4	Measured	0.048	Measured	7882.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	9	1	760	345.7	Measured	0.044	Calculated	822.7	Measured	812.28	Measured	0.105	Calculated	384.2	Measured	0.049	Measured	7840.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	10	1	760	295.7	Measured	0.038	Calculated	815.1	Measured	812.28	Measured	0.105	Calculated	388.6	Measured	0.05	Measured	7771.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	11	1	759	210.3	Measured	0.027	Calculated	815.2	Measured	812.28	Measured	0.105	Calculated	373.1	Measured	0.048	Measured	7772.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	12	1	760	266.5	Measured	0.034	Calculated	822.1	Measured	812.28	Measured	0.105	Calculated	368.4	Measured	0.047	Measured	7838.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	13	1	761	309.6	Measured	0.04	Calculated	820.5	Measured	812.28	Measured	0.105	Calculated	391.2	Measured	0.05	Measured	7823.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	14	1	760	375.7	Measured	0.049	Calculated	812.4	Measured	812.28	Measured	0.105	Calculated	395.1	Measured	0.051	Measured	7746.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	15	1	761	549.3	Measured	0.071	Calculated	812.3	Measured	812.28	Measured	0.105	Calculated	402.8	Measured	0.052	Measured	7745.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	16	1	760	344.2	Measured	0.044	Calculated	811.1	Measured	812.28	Measured	0.105	Calculated	479.8	Measured	0.062	Measured	7739.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	17	1	760	289.6	Measured	0.038	Calculated	809.6	Measured	812.28	Measured	0.105	Calculated	478.6	Measured	0.062	Measured	7719.7	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	18	1	761	326.8	Measured	0.043	Calculated	802.3	Measured	812.28	Measured	0.105	Calculated	489.7	Measured	0.064	Measured	7652.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	19	1	761	465.8	Measured	0.061	Calculated	803.3	Measured	812.28	Measured	0.105	Calculated	490.2	Measured	0.064	Measured	7659.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	20	1	760	397.8	Measured	0.052	Calculated	803.9	Measured	812.28	Measured	0.105	Calculated	490.6	Measured	0.064	Measured	7665	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	21	1	760	367.9	Measured	0.047	Calculated	813.5	Measured	812.28	Measured	0.105	Calculated	473.2	Measured	0.061	Measured	7756.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	22	1	761	388.9	Measured	0.05	Calculated	814	Measured	812.28	Measured	0.105	Calculated	457.9	Measured	0.059	Measured	7746.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	23	1	760	373.4	Measured	0.048	Calculated	812	Measured	812.28	Measured	0.105	Calculated	441.3	Measured	0.057	Measured	7761.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	0	1	760	398.5	Measured	0.052	Calculated	805.4	Measured	812.28	Measured	0.105	Calculated	453.1	Measured	0.059	Measured	7679.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	1	1	760	418.2	Measured	0.054	Calculated	810.5	Measured	812.28	Measured	0.105	Calculated	432.7	Measured	0.056	Measured	7727.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS
MI	J H Campbell	1710	3	#####	2	1	760	464.4	Measured	0.06	Calculated	811.5	Measured	812.28	Measured	0.105	Calculated	479.7	Measured	0.062	Measured	7737.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air/ Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	APP, CSNOX, CS05G2E, CSS02G1, MATS

State	Facility Name	Facility ID	Unit ID	Associated Stacks	Date	Hour	Operating Time	Gross Load (MW)	Steam Load (1000 lb/hr)	SO2 Mass (lbs)	SO2 Mass Measure Indicator	SO2 Rate (lbs/mmBtu)	SO2 Rate Measure Indicator	CO2 Mass (short tons)	CO2 Mass Measure Indicator	CO2 Rate (short tons/mmBtu)	CO2 Rate Measure Indicator	NOx Mass (lbs)	NOx Mass Measure Indicator	NOx Rate (lbs/mmBtu)	NOx Rate Measure Indicator	Heat Input (mmBtu)	Heat Input Measure Indicator	Primary Fuel Type	Secondary Fuel Type	Unit Type	SO2 Controls	NOx Controls	PM Controls	Hg Controls	Program Code
MI	J H Campbell	1710	3	*****	19	1	757	332.8	Measured	0.043	Calculated	811.1	Measured	0.105	Calculated	788.9	Measured	0.102	Measured	7734.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	20	1	760	378.7	Measured	0.049	Calculated	810.1	Measured	0.105	Calculated	818.8	Measured	0.106	Measured	7724.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	21	1	760	396.1	Measured	0.051	Calculated	811.8	Measured	0.105	Calculated	797.2	Measured	0.103	Measured	7740.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	22	1	760	384.4	Measured	0.055	Calculated	813.4	Measured	0.105	Calculated	527.4	Measured	0.088	Measured	7755.7	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	23	1	759	377.2	Measured	0.048	Calculated	818.5	Measured	0.105	Calculated	429.2	Measured	0.055	Measured	7803.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	0	1	760	409.2	Measured	0.053	Calculated	813	Measured	0.105	Calculated	426.4	Measured	0.055	Measured	7752.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	1	1	760	405.2	Measured	0.053	Calculated	806.3	Measured	0.105	Calculated	453.6	Measured	0.059	Measured	7688.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	2	1	760	367.5	Measured	0.048	Calculated	805.6	Measured	0.105	Calculated	430.2	Measured	0.056	Measured	7681.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	3	1	759	358.7	Measured	0.047	Calculated	804.6	Measured	0.105	Calculated	421.9	Measured	0.055	Measured	7671.7	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	4	1	759	359.8	Measured	0.047	Calculated	806.9	Measured	0.105	Calculated	430.8	Measured	0.056	Measured	7693.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	5	1	759	366.6	Measured	0.047	Calculated	815.3	Measured	0.105	Calculated	855.1	Measured	0.11	Measured	7773.7	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	6	1	760	413.3	Measured	0.053	Calculated	819	Measured	0.105	Calculated	472.9	Measured	0.061	Measured	7752.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	7	1	760	752.4	Measured	0.097	Calculated	811.8	Measured	0.105	Calculated	410.2	Measured	0.053	Measured	7740.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	8	1	759	392	Measured	0.05	Calculated	814.8	Measured	0.105	Calculated	404	Measured	0.052	Measured	7768.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	9	1	760	376.6	Measured	0.048	Calculated	817.1	Measured	0.105	Calculated	405.1	Measured	0.052	Measured	7790.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	10	1	760	394.1	Measured	0.05	Calculated	819.1	Measured	0.105	Calculated	421.8	Measured	0.054	Measured	7810.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	11	1	760	380.2	Measured	0.048	Calculated	823.1	Measured	0.105	Calculated	423.8	Measured	0.054	Measured	7846.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	12	1	760	472.4	Measured	0.06	Calculated	825.3	Measured	0.105	Calculated	385.6	Measured	0.049	Measured	7869	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	13	1	760	360.2	Measured	0.046	Calculated	817.4	Measured	0.105	Calculated	413.1	Measured	0.053	Measured	7793.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	14	1	760	382.2	Measured	0.049	Calculated	815.7	Measured	0.105	Calculated	404.4	Measured	0.052	Measured	7777.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	15	1	760	380.4	Measured	0.049	Calculated	816.3	Measured	0.105	Calculated	412.5	Measured	0.053	Measured	7783.6	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	16	1	759	353.2	Measured	0.046	Calculated	808.4	Measured	0.105	Calculated	439.4	Measured	0.057	Measured	7708.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	17	1	759	375.3	Measured	0.049	Calculated	807.2	Measured	0.105	Calculated	469.5	Measured	0.061	Measured	7696.7	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	18	1	760	388.8	Measured	0.05	Calculated	809.6	Measured	0.105	Calculated	470.9	Measured	0.061	Measured	7718.9	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	19	1	761	346.1	Measured	0.045	Calculated	811.3	Measured	0.105	Calculated	433.2	Measured	0.056	Measured	7735.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	20	1	760	358.5	Measured	0.046	Calculated	811.1	Measured	0.105	Calculated	456.3	Measured	0.059	Measured	7733.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	21	1	760	336.9	Measured	0.044	Calculated	809.1	Measured	0.105	Calculated	455.1	Measured	0.059	Measured	7714.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	22	1	760	340.4	Measured	0.044	Calculated	807.6	Measured	0.105	Calculated	500.5	Measured	0.065	Measured	7700.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	23	1	759	327.4	Measured	0.043	Calculated	806.1	Measured	0.105	Calculated	476.5	Measured	0.062	Measured	7685.7	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	0	1	760	364.7	Measured	0.047	Calculated	806.6	Measured	0.105	Calculated	476.9	Measured	0.062	Measured	7691.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	1	1	760	353.3	Measured	0.046	Calculated	804.2	Measured	0.105	Calculated	444.7	Measured	0.058	Measured	7667.4	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	2	1	760	406.6	Measured	0.053	Calculated	803.8	Measured	0.105	Calculated	429.2	Measured	0.056	Measured	7664.1	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	3	1	759	394.4	Measured	0.051	Calculated	804.2	Measured	0.105	Calculated	414	Measured	0.054	Measured	7667.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	4	1	759	349.7	Measured	0.046	Calculated	805.2	Measured	0.105	Calculated	437.6	Measured	0.057	Measured	7677.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	5	1	759	361.5	Measured	0.047	Calculated	804.1	Measured	0.105	Calculated	429.3	Measured	0.056	Measured	7666.9	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	6	1	758	363.7	Measured	0.047	Calculated	804.3	Measured	0.105	Calculated	444.8	Measured	0.058	Measured	7669	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	7	1	759	485.1	Measured	0.062	Calculated	815.3	Measured	0.105	Calculated	443.1	Measured	0.057	Measured	7773.5	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	8	1	759	921	Measured	0.119	Calculated	809.7	Measured	0.105	Calculated	440.1	Measured	0.057	Measured	7720.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	9	1	759	925.4	Measured	0.12	Calculated	811.7	Measured	0.105	Calculated	456.6	Measured	0.059	Measured	7739.7	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	10	1	758	1181	Measured	0.155	Calculated	800	Measured	0.105	Calculated	472.9	Measured	0.062	Measured	7628.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	11	1	757	1194	Measured	0.158	Calculated	791.6	Measured	0.105	Calculated	445.3	Measured	0.059	Measured	7547.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	12	1	758	1219	Measured	0.161	Calculated	794.6	Measured	0.105	Calculated	439.4	Measured	0.058	Measured	7576.3	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	13	1	759	1207	Measured	0.159	Calculated	795.6	Measured	0.105	Calculated	485.5	Measured	0.064	Measured	7586.2	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	14	1	758	1313	Measured	0.174	Calculated	792.7	Measured	0.105	Calculated	438.4	Measured	0.058	Measured	7557.8	Measured	Coal		Dry bottom wall-fir	Dry Lime FGD	Low NOx Burner Technology w/ Overfire Air Selective Catalytic Redu	Baghouse	Halogenated PAC Sorbent Injection	ARP, CSNOX, CSSO2G2E, CSSO2G1, MATS		
MI	J H Campbell	1710	3	*****	15	1	757	1159	Measured	0.154	Calculated	791.6	Measured	0.105	Calculated	422.7	Measured	0.056	Measured	7547.5	Measured										

BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c))
Emergency Order: Midcontinent)
Independent System Operator)
(MISO))
_____)

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 105

DOE Order No. 202-08-1



The Secretary of Energy
Washington, DC 20585

Order No. 202-08-1

Pursuant to the authority vested in me by section 202(c) of the Federal Power Act (FPA), 16 U.S.C. 824a(c), and section 301(b) of the Department of Energy Organization Act, 42 U.S.C. 7151(b), and for the reasons set forth below, I hereby determine that an emergency exists in Texas due to a shortage of electric energy, a shortage of facilities for the generation of electric energy, a shortage of facilities for the transmission of electric energy and other causes, and that issuance of this order will serve to alleviate the emergency and serve the public interest.

As a result of the massive devastation caused by Hurricane Ike, large portions of the areas affected by the hurricane are without electricity, posing a threat to human life and health. It is my judgment that in these circumstances, the order I am issuing today will meet the emergency and serve the public interest because it will alleviate electricity shortages and protect the life and health of the people in the affected areas.

Based on my determination set forth above, I hereby order:

Effective immediately, CenterPoint Energy is authorized and directed to temporarily connect at distribution and transmission level voltages such as 12.5kV, 13.2kV, 25kV, 69kV, 138kV, and 230kV to restore power to Entergy Gulf States, Inc. as well as electric cooperatives and municipal customers within the State of Texas. Pursuant to section 202(d) of the FPA, 16 U.S.C. 824a(d), during the continuance of this order, any person engaged in the transmission and sale of electric energy and not otherwise subject to the jurisdiction of the Federal Energy Regulatory Commission (FERC) may, pursuant to this order, make such temporary connections with any public utility subject to the jurisdiction of FERC and shall not become subject to FERC jurisdiction as a result of that temporary connection.

This order shall be effective upon its issuance and shall expire at 12:01 a.m., November 1, 2008.

Issued in Washington, D.C. at 1600 this 14th day of September, 2008.

A handwritten signature in black ink, reading "Sam Bodman", is positioned above the printed name of the Secretary of Energy.

Samuel W. Bodman
Secretary of Energy



BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c))
Emergency Order: Midcontinent)
Independent System Operator)
(MISO))

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 106

DOE Order No. 202-22-2
Amendment No. 1



Department of Energy
Washington, DC 20585

Amendment Number 1 to Order No. 202-22-2

On September 4, 2022, because of a shortage of currently operational electric generating facilities, high demand for electricity, and other adverse conditions resulting from the extreme heat event in California, I issued Order No. 202-22-2. Order No. 202-22-2 authorized the Balancing Authority of Northern California (BANC) to direct the identified electric generating resource (Covered Resources) to operate in BANC's Balancing Authority Area (BAA), under specified conditions, to prevent or mitigate potential power disruptions and provide relief to the bulk power system during stressed grid conditions caused by extreme heat until September 8, 2022. Order No. 202-22-2 expires at the end of the day on September 8, 2022, by its own terms.

On September 7, 2022, BANC submitted a *Request for Extension and Limited Amendment of Emergency Order Pursuant to Section 202(c) of the Federal Power Act* (Renewal Application) to the Department. In its Renewal Application, BANC requests an extension of Order 202-22-1 through September 11, 2022 and certain modifications to the run time hour limitations contained in Order No. 202-22-2. On September 8, 2022, BANC filed a Revised Request for *Request for Extension and Limited Amendment of Emergency Order Pursuant to Section 202(c) of the Federal Power Act* in response to questions from DOE.

Emergency Situation

In its Renewal Application, BANC states that "the actual heat event has been more severe and records loads have been experienced." The emergency conditions brought about by the ongoing extreme heat event in California have continued and worsened and the supply of electricity is at increased risk for meeting system demand. As stated in its Renewal Application, BANC established a new record peak of approximately 4943 MW on September 6. BANC entered into an EEA-2 as of 1330 hours that same day. During this period BANC had forced outages of significant generation but was able to return units to service in approximately 90 minutes. It is believed that BANC members Roseville and Modesto exceeded their all-time peaks. Consequently, BANC requests the expiration date of Order No. 202-22-2 be extended through September 11, 2022.

In addition to the extension of Order No. 202-22-2, BANC has requested that the Order be modified to remove the 2 PM to 10 PM run time limitation so as to allow additional operational flexibility. BANC specifically requests that the Covered Resource be allowed to run during anytime that they have received notice of an Energy Emergency Alert Level 2 (EEA2) condition or greater. The practical impact of this will be to allow the Covered Resource more notice to follow their protocols for ramping up their diesel-fired generator units. In addition, BANC has requested the ramp down of the Covered Resource could extend beyond the period in which the EEA 2 condition exists. Specifically, the ramp down would commence at the time the EEA 2 condition is declared ended and should be completed as soon as possible consistent with good utility and operational

Consultation

In considering renewal or reissuance of an order under FPA section 202(c) that may conflict with an environmental law or regulation, DOE is required to “consult with the primary Federal agency with expertise in the environmental interest protected by such law or regulation” and to include “conditions as such Federal agency determines necessary . . . to the extent practicable.” 16 U.S.C. § 824a(c)(4). The Environmental Protection Agency (EPA) is the primary federal agency in this case with expertise in the protected environmental interest, specifically Title V of the Clean Air Act and the Department consulted with EPA after receiving the Renewal Application and EPA did not request any additional conditions be included in this Order. Email from Acting Assistant Administrator Larry Starfield, EPA Office of Enforcement and Compliance Assurance to Kathleen Hogan, Acting Under Secretary for Infrastructure for DOE, September 7, 2022.

Based on the information submitted to the Department, I have determined that an emergency continues to exist in California due to a shortage of electric energy. I find that the issuance of this Order will help to meet the emergency conditions and serve the public interest as required by FPA section 202(c).

ORDER

For the reasons set forth above, pursuant to Section 202(c) of the FPA, I hereby grant BANC’s Renewal Application and issue this Order, with modifications as explained below, to extend the expiration date of Order No. 202-22-2 through September 11, 2022.

1. Ordering Paragraph A appearing on page 4 of Order No. 202-22-2 is hereby deleted and replaced in its entirety by the following:
 - A. From September 8, 2022, to September 11, 2022, in the event that BANC determines that generation from the Covered Resource is necessary to preserve the reliability of the bulk electric power system in California, I direct BANC to dispatch such unit or units and to order their operation solely under the following conditions: the notification of an Energy Emergency Alert Level 2¹ condition or greater after exhausting all reasonably and practically available resources, together with such reasonable and limited time as is necessary for a Covered Resource to ramp down following an Energy Emergency Alert Level 2 or greater, consistent with good utility practice as directed by the BANC with the goal of limited operation outside of an Energy Emergency Alert Level 2 or greater to the greatest extent possible.

¹ For the purposes of this Order, “Energy Emergency Alert Level 2” has the meaning set forth in Section 3.6.3 of the California ISO System Emergency Operating Procedure, Procedure No. 4420, Version 14.0, Effective Date May 1, 2022 (CAISO Emergency Operating Procedure).

Department of Energy Amendment Number 1 to Order No. 202-22-2

2. The date September 8, 2022 where it appears in Ordering Paragraphs D and H of Order No. 202-22-2 is hereby replaced by the date September 11, 2022.
3. All other terms of Order No. 202-22-2 remain the same and in effect, including Ordering Paragraphs A-H, except as modified herein.
4. This Amendment Number 1 to Order No. 202-22-2 shall be effective upon its issuance, and shall expire at 23:59 Pacific Time on September 11, 2022.

Issued in Washington, D.C. at 16:38 Eastern Time on this 8th day of September, 2022.



Kathleen Hogan
Acting Under Secretary for
Infrastructure

BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c))
Emergency Order: Midcontinent)
Independent System Operator)
(MISO))
_____)

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 107

DOE Order No. 202-22-1
Amendment No. 2



Department of Energy
Washington, DC 20585

Amendment Number 2 to Order No. 202-22-1

On September 2, 2022, because of a shortage of currently operational electric generating facilities, high demand for electricity, and other adverse conditions resulting from the extreme heat event in California, I issued Order No. 202-22-1. Order No. 202-22-1 authorizes the California Independent System Operator Corporation (CAISO), to direct the operation of the Covered Resources identified in Order No. 202-22-1 and on the terms set forth therein. On September 7, 2022, because of the continuing shortage of electric energy and the need for continued operation of the two units at Calpine's Greenleaf Unit 1 site in Yuba City, California (Greenleaf Units), I issued Amendment No. 1 to Order No. 202-22-1. Amendment No. 1 to Order No. 202-22-1 added the Greenleaf Units as Covered Resources subject to the terms of Order No. 202-22-1, except that the Greenleaf Units may be operated through September 9, 2022. By its terms, Order No. 202-22-1 as amended by Amendment No. 1 expires at the end of the day on September 8, 2022 with respect to the Covered Resources other than the Greenleaf Units, and at the end of the day on September 9, 2022 with respect to the Greenleaf Units. Order No. 202-22-1 as amended by Amendment No. 1 is sometimes referred to herein as Amended Order No. 202-22-1.

On September 7, 2022, CAISO submitted a *Request for Extension of Emergency Order Pursuant to Section 202(c) of the Federal Power Act* (Renewal Application) to the Department. In its Renewal Application, CAISO requests an extension of the expiration date of Order No. 202-22-1 through September 12, 2022.

Emergency Situation

In its Renewal Application, CAISO states that California is experiencing extreme heat, which the CAISO forecasts to continue through at least September 9, 2022. Further, CAISO explains that unpredictable conditions could exacerbate grid reliability issues at any time. The threat of wildfire to the reliable operation of the bulk power system remains significant, and drought conditions are affecting the availability of hydroelectric power. Ambient conditions facing generating facilities are causing de-rates at some units and forcing other units offline. Wildfire threats arising from the extreme heat event are unpredictable and could force transmission and resources out of service. Consequently, the CAISO believes it prudent to ask that the expiration date of Order No. 202-22-1 be extended through September 12, 2022.

Consultation

In considering renewal or reissuance of an order under FPA section 202(c) that may conflict with an environmental law or regulation, DOE is required to "consult with the primary Federal agency with expertise in the environmental interest protected by such law or regulation" and to include "conditions as such Federal agency determines necessary . . . to the extent practicable." 16 U.S.C. § 824a(c)(4). The Environmental

Protection Agency (EPA) is the primary federal agency in this case with expertise in the protected environmental interest, specifically Title V of the Clean Air Act and the Department consulted with EPA after receiving the Renewal Application and EPA did not request any additional conditions be included in this Order. Email from Acting Assistant Administrator Larry Starfield, EPA Office of Enforcement and Compliance Assurance to Kathleen Hogan, Acting Under Secretary for Infrastructure for DOE, September 7, 2022.

Based on the information submitted to the Department, I have determined that an emergency continues to exist in California due to a shortage of electric energy. I find that the issuance of this Order will help to meet the emergency conditions and serve the public interest as required by FPA section 202(c).

ORDER

For the reasons set forth above, pursuant to Section 202(c) of the FPA, I hereby grant CAISO's Renewal Application and issue this Order to extend the expiration date of Amended Order No. 202-22-1 through September 12, 2022.

1. In accordance with the foregoing, (a) the date September 8, 2022 where it appears in Ordering Paragraphs A, D, and H of Order No. 202-22-1 is hereby replaced by the date September 12, 2022, and (b) the date September 9, 2022 where it appears in the Ordering Paragraph of Amendment No. 1 to Order No. 202-22-1 is hereby replaced by the date September 12, 2022.
2. All other terms of Amended Order No. 202-22-1 remain the same and in effect, including Ordering Paragraphs A-H, except as modified herein.
3. This Amendment Number 2 to Order No. 202-22-1 shall be effective upon its issuance and shall expire at 23:59 Pacific Time on September 12, 2022.

Issued in Washington, D.C. at 15:52 Eastern Time on this 8th day of September, 2022.



Kathleen Hogan
Acting Under Secretary for
Infrastructure

BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c))
Emergency Order: Midcontinent)
Independent System Operator)
(MISO))
_____)

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 108

Starfield Email to
Hoffman

From: Starfield, Lawrence <Starfield.Lawrence@epa.gov>
Date: Monday, Sep 11, 2017, 11:27 AM
To: Hoffman, Patricia <Pat.Hoffman@hq.doe.gov>
Cc: Lucas, John T. <John.T.Lucas@hq.doe.gov>, Minoli, Kevin <Minoli.Kevin@epa.gov>, Kelley, Rosemarie <Kelley.Rosemarie@epa.gov>, Chapman, Apple <Chapman.Apple@epa.gov>
Subject: DOE section 202(c) order

To: Pat Hoffman, DOE Acting Under Secretary for Science and Energy

On August 24, 2017, PJM submitted a renewal application requesting a 90-day renewal of the Order issued on June 16, 2017, by the Secretary of Energy. This email confirms that the Department of Energy (DOE) consulted with the Environmental Protection Agency (EPA), the primary Federal agency with expertise in the Mercury and Air Toxics Standard and section 316(b) of the Clean Water Act, with respect to a renewal order under Section 202(c) of the Federal Power Act related to Virginia Electric and Power Company's Units 1 and 2 at its Yorktown Power Station, near Yorktown, Virginia. See 16 U.S.C. § 824a(c)(4)(B) (Federal Power Act, Section 202(c)(4)(B)). DOE's proposed operational conditions for the order are generally consistent with EPA's Administrative Compliance Order, AED-CAA-113(a)-2016-002, as amended.

Thank you for your coordination on this matter.

Larry Starfield
Acting Assistant Administrator
Office of Enforcement and Compliance Assurance
U.S. EPA
Washington, DC

(202) 564-2440 (office)
(202) 564-8179 (direct)

BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c))
Emergency Order: Midcontinent)
Independent System Operator)
(MISO))
_____)

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 109

MISO ERAS News
Release

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Expedited Resource Addition Study attracts large, diverse applicant pool

Projects tailored to address rapidly growing demand in specific areas

For Immediate Release

August 26, 2025

Media Contact

[Brandon D. Morris](#)

CARMEL, Ind. — Today, MISO shared the list of applications submitted to date for the Expedited Resource Addition Study (ERAS) which includes 47 projects across 12 states, representing more than 26,500 megawatts of proposed new capacity. ERAS is a temporary process aimed at fast-tracking urgently needed generation projects across the region. The proposed projects include: 74% natural gas, 15% battery storage, 4% wind, 4% solar and 3% nuclear.

“This broad mix underscores MISO’s evolving energy landscape and the urgent need to bring new resources online to address growing reliability challenges,” said Aubrey Johnson, MISO’s vice president of system planning. “These projects are designed to meet localized and accelerating demand growth.”

The ERAS process will study up to 10 projects per quarter, with a maximum of 68 projects before the program sunsets on Aug. 31, 2027. ERAS was developed in close collaboration with stakeholders to address specific load growth and/or resource adequacy concern – through the Generator Interconnection process.

“ERAS is another tool in our toolbox to help maintain reliability while we continue to improve the interconnection process for the long term,” Johnson continues. “These projects must meet strict

requirements to ensure that only viable, needed projects are considered.”

MISO continues to evaluate the applications to ensure all requirements are met and will publish the approved ERAS projects after September 2, 2025. Eligible projects must demonstrate a clear resource adequacy or reliability need, be commercially operable within three to six years and have support from Relevant Electric Retail Regulatory Authority. More information, including the application guide and schedule, is available on the [MISO website](#).

###

Media Contact:

[Brandon D. Morris](#)

About MISO

Midcontinent Independent System Operator (MISO) is an independent, not-for-profit organization that delivers safe, cost-effective electric power across 15 U.S. states and the Canadian province of Manitoba. 42 million people depend on MISO to generate and transmit the right amount of electricity every minute of every day. MISO is committed to reliable, nondiscriminatory operation of the bulk power transmission system and collaborating with all stakeholders to create cost-effective and innovative solutions for our changing industry. MISO operates one of the world’s largest energy markets with more than \$22 billion in annual gross market energy transactions.

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BEFORE THE UNITED STATES DEPARTMENT OF ENERGY

Federal Power Act Section 202(c))
Emergency Order: Midcontinent)
Independent System Operator)
(MISO))
_____)

Exhibit to
Motion to Intervene and Request for Rehearing and Stay of
Public Interest Organizations

Exhibit 110
DOE Order No.
202-24-1



Department of Energy
Washington, DC 20585

Order No. 202-24-1

Pursuant to the authority vested in the Secretary of Energy by section 202(c) of the Federal Power Act (FPA), 16 U.S.C. § 824a(c), and section 301(b) of the Department of Energy Organization Act, 42 U.S.C. § 7151(b), and for the reasons set forth below, I hereby determine that an emergency exists in Florida due to a shortage of electric energy, a shortage of facilities for the generation of electric energy, and other causes, and that issuance of this Order will meet the emergency and serve the public interest.

Emergency Situation

On October 9, 2024, Duke Energy Florida, LLC (Duke), an investor-owned utility, whose service territory includes electric customers in Florida, filed a *Request for Emergency Order Under Section 202(c) of the Federal Power Act* (Application) with the United States Department of Energy (Department) “to preserve the reliability of the bulk electric power system.” As of 4 PM EDT on October 9, 2024, Hurricane Milton is a Category 3 storm forecast to remain a major hurricane and expand in size as it approaches the west coast of Florida. The center is likely to make landfall along the west-central coast of Florida during the night on Wednesday, October 9, 2024, or in the early morning on Thursday, October 10, 2024, and move east-northeastward across central Florida through October 10, 2024. Hurricane Milton follows the landfall of Hurricane Helene in Florida on September 26, 2024, which resulted in over 230 deaths in the southeast United States and for which recovery and restoration efforts remain ongoing. As of 5:00 PM EDT on October 9, 2024, Florida was experiencing 118,000 outages related to the approaching Hurricane Milton, with the number increasing rapidly.

On October 7, 2024, President Biden declared that an emergency exists in the State of Florida and ordered Federal assistance to supplement State, tribal, and local response efforts due to the emergency conditions resulting from Hurricane Milton beginning on October 5, 2024, and continuing.

Duke has indicated that its service territory is being impacted by Hurricane Milton. Duke expects that Hurricane Milton will cause hurricane-force-gusts across the St. Petersburg/Tampa metropolitan region at the height of the storm overnight into early Thursday, October 10, 2024. Elsewhere, strong tropical-storm to near hurricane-force-gusts are projected to impact highly populated zones along the I-4 corridor served by Duke. The combination of damaging winds,

torrential rain and subsequent flooding, storm surge at the coast, and possible tornadoes, will result in major power outages, damaging distribution and transmission infrastructure, and threaten several generation stations along the path. Application at 1.

While many generating units in the Duke service territory continue to function adequately under these stressed conditions, several of Duke's generating units are expected to be forced to shut down due to facility limits on wind speeds and storm surge, as well as staffing issues caused by mandatory evacuations. Additionally, Crystal River Units 4 and 5 remain in forced outage from storm surge impacts from Hurricane Helene. Specifically, approximately 4,000 MW of generating units are currently offline and will remain offline during Hurricane Milton. Application at 2.

Additionally, several units at Citrus Combined Cycle, the subject of this Order, may be forced offline by conditions in its Title V operating permit. With projected outages and low demand, in order to keep the Citrus Combined Cycle units online, they would potentially need to operate at low load for an extended period of time, which could result in noncompliance with its Title V permit. If these units are brought offline due to these compliance requirements, they may not be able to ramp up quickly enough to meet demand as load increases following power restoration, particularly in light of the amount of generation predicted to be offline due to hurricane impacts. For example, ramp-up times from a cold start could be eight or nine hours, and could be further delayed by pre-generation start-up checks. Additionally, shutting down also increases the risk of equipment failure, as well as the risk of water intrusion due to thermal and pressure gradient changes. If equipment fails or is damaged by Hurricane Milton, units may not be able to start without additional maintenance. In that case, Duke may have to declare an Energy Emergency Alert (EEA) Level 3 and institute rotating load shed. Such impacts would hinder post-hurricane restoration and recovery activities and overall grid reliability. Although Duke would attempt to mitigate such impacts through alternative generation as well as power purchases, it is unknown what will be available following Hurricane Milton and whether the necessary transmission infrastructure will remain for this purpose. Application at 2.

The Florida Reliability Coordinating Council, Inc. (FRCC), the Reliability Coordinator for Duke's service territory and others, filed a formal endorsement on October 9, 2024, of Duke's Application, specifically the need to continue operation of the Specified Resources in Application Exhibit A at low load operation to help reduce the likelihood of any firm load shedding during the hurricane event. FRCC Letter at 1. The endorsement explains:

It is the FRCC's firm opinion that granting this relief request will provide an immeasurable benefit to this mission and in turn, the public served by the FRCC and its member entities. Allowing this relief will not only serve the reliability of [Duke's] service territory, but also the many local electric cooperatives served by [Duke] and other interconnected electric utilities and service providers.

FRCC Letter at 2.

Description of Mitigation Measures

Duke has indicated that it will attempt to keep the Citrus Combined Cycle units operating at a load level compliant with its Title V permit whenever possible, including attempting to sell power to keep load higher. Duke anticipates needing to continue these efforts through October 13, 2024. Subject to the exceptions included in this Order, Duke has committed to continuing to take such actions, including attempting to sell power, before operating any units in a manner that will result in a conflict with a requirement of any federal, state, or local environmental statute or regulation, including requirements in permits issued pursuant to such laws or regulations.

Request for Order

Duke requests that the Secretary issue an order immediately, effective October 9, 2024, through 00:00 EDT on October 13, 2024, authorizing “continued operation of the Specified Resources” in the Duke service territory. Application at 3. The generating units (Specified Resources) that this Order pertains to are listed on the Order 202-24-1 Resources List, as described below.

ORDER

Given the emergency nature of the expected load stress, the responsibility of Duke to ensure maximum reliability on its system, and the ability of Duke to identify and dispatch generation necessary to meet load requirements, I have determined that, under the conditions specified below, additional dispatch of the Specified Resources is necessary to best meet the emergency and serve the public interest for purposes of FPA section 202(c). This determination is based on, among other things:

- The emergency nature of the expected load stress caused by the current extreme weather event and its aftermath threatens to cause loss of power to homes and local businesses in the areas that may be affected by curtailments, presenting a risk to public health and safety.
- The expected shortage of electric energy, shortage of facilities for the generation of electric energy, and other causes in the State of Florida and within the region demonstrate the need for the Specified Resources to contribute to system reliability.
- Duke’s responsibility to ensure maximum reliability on its system, and, with the authority granted in this Order, its ability to identify and dispatch generation, including the Specified Resources, necessary to meet the load resulting from the extreme weather event and its aftermath.

In line with the anticipated circumstances precipitated by Hurricane Milton, this Order is limited to the period beginning with the issuance of this Order on October 9, 2024, through 00:00 EDT on October 13, 2024. Because the additional generation may result in a conflict with environmental standards and requirements, I am authorizing only the necessary additional generation on the conditions contained in this Order, with reporting requirements as described below.

FPA section 202(c)(2) requires the Secretary of Energy to ensure that any 202(c) order that may result in a conflict with a requirement of any environmental law be limited to the “hours necessary to meet the emergency and serve the public interest, and, to the maximum extent practicable,” be consistent with any applicable environmental law and minimize any adverse environmental impacts. Duke anticipates that this Order may result in exceedance of emissions of Volatile Organic Compounds (VOC), specifically formaldehyde. To minimize adverse environmental impacts, this Order limits operation of dispatched units to the times and within the parameters determined by Duke for reliability purposes.

Based on my determination of an emergency set forth above, I hereby order:

- A. From the time this Order is issued on October 9, 2024, to 00:00 EDT on October 13, 2024, in the event that Duke determines that generation from the Specified Resources is necessary to meet the electricity demand that Duke anticipates in Florida during and immediately following this event, I direct Duke to dispatch such unit or units and to order their operation only as needed to maintain the necessary expected generation in the Duke service territory. Specified Resources are those generating units set forth on the Order 202-24-1 Resource List, which the Department shall post on www.energy.gov. Duke is directed to provide updates, if any, to Exhibit A to its Application with the anticipated category of environmental impact(s) (i.e., formaldehyde, sulfur dioxide, nitrogen oxide, mercury, carbon monoxide emissions, wastewater release, other air pollutants) by 21:00 EDT on October 10, 2024.
- B. To minimize adverse environmental impacts, this Order limits operation of dispatched units to the times and within the parameters determined by Duke for maintaining grid reliability to avoid adverse health and safety impacts to customers from shedding firm customer load. Duke shall exhaust all possible measures to run the Specified Units at a load level in compliance with permit requirements, including attempting to sell power. Duke shall provide a daily notification to the Department (via AskCR@hq.doe.gov) reporting each generating unit that has been designated to use the allowance and operated in reliance on the allowances contained in this Order.
- C. All operation of the Specified Resource must comply with applicable environmental requirements, including but not limited to monitoring, reporting, and recordkeeping requirements, to the maximum extent feasible while operating consistent with the emergency conditions. This Order does not provide relief from any obligation to pay fees or purchase offsets or allowances for emissions that occur during the emergency condition or to use other geographic or temporal flexibilities available to generators.
- D. Duke shall provide such additional information regarding the environmental impacts of this Order and its compliance with the conditions of this Order, in each case as requested by the Department of Energy from time to time. By October 20, 2024, Duke shall report all dates between October 9, 2024, and October 13, 2024, inclusive, on which the Specified Resources were operated, the hours of operation, and exceedance of permitting

limits, including formaldehyde, sulfur dioxide, nitrogen oxide, mercury, carbon monoxide, and other air pollutants, as well as exceedances of wastewater release limits. Duke shall submit a final report by November 20, 2024, with any revisions to the information reported on October 20, 2024. The environmental information submitted in the final report shall also include the following information:

- (i) Emissions data in pounds per hour for each Specified Resource unit, for each hour of the operational scenario, for CO, NO_x, PM₁₀, formaldehyde, VOC, and SO₂;
- (ii) Emissions data must include emissions (lbs/hr) calculated consistent with reporting obligations pursuant to operating permits, permitted operating/emission limits, and the actual incremental emissions above the permit limits;
- (iii) The number and actual hours each day that each Specified Resource unit operated in excess of permit limits or conditions, e.g. "Generator #1; October 10, 2024; 4 hours; 04:00-08:00 EDT";
- (iv) Amount, type and formulation of any fuel used by each Specified Resource;
- (v) All reporting provided under the Specified Resource's operating permit requirements over the last three years to the United States Environmental Protection Agency or local Air Quality Management District for the location of a Specified Resource that operates pursuant to this Order;
- (vi) Additional information requested by DOE as it performs any environmental review relating to the issuance of this Order; and
- (vii) Information provided by the Specified Resource describing how the requirements in paragraph C above were met by the Specified Resource while operating under the provisions of this Order.

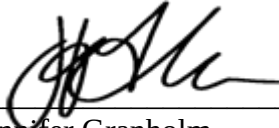
In addition, Duke shall provide information to the Department quantifying the net revenue associated with generation in excess of environmental limits accruing to the Specified Resources in connection with any order issued by the Department pursuant to Section 202(c) of the Federal Power Act.

- E. Duke shall take reasonable measures to inform affected communities where all Specified Resources operate that Duke has been issued this Order, in a manner that ensures that as many members of the community as possible are aware of the Order, and explains clearly what the Order allows Duke to do. At a minimum, Duke shall post a description of this Order on its website (with a link to this Order) and identify the name, municipality or other political subdivision, and zip code of any Specified Resource covered by this Order. In addition, in the event that a Specified Resource operates pursuant to this Order, a general description of the action authorized by this Order will be included in any press release issued by Duke with respect to the extreme weather event and will include a reference to the website posting required by the preceding sentence for further information. Duke shall describe the actions taken to comply with this paragraph in the

reports delivered to the Department pursuant to paragraph D above.

- F. This Order shall not preclude the need for the Specified Resource to comply with applicable state, local, or Federal law or regulations following the expiration of this Order.
- G. Duke shall be responsible for the reasonable third-party costs of performing analysis of the environmental and environmental justice impacts of this Order, including any analysis conducted pursuant to the National Environmental Policy Act.
- H. This Order shall be effective upon its issuance, and shall expire at 00:00 EDT on Sunday, October 13, 2024, with the exception of the reporting requirements in paragraph D. Renewal of this Order, should it be needed, must be requested before this Order expires.

Issued in Washington, D.C. at 8:00 PM Eastern Daylight Time on this 9th day of October 2024.



Jennifer Granholm
Secretary of Energy