CLIFFS

CLEVELAND-CLIFFS INC.
Hibbing Taconite Company
4950 County Highway 5 North, Hibbing, MN 55746
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April 8, 2022

Regional Administrator
Air and Radiation Division
C/O Kathleen D'Agostino
US EPA, Region 5 (A-18J)
77 West Jackson Boulevard
Chicago, IL 60604
dagostino.kathleen@epa.gov

Re: Hibbing Taconite Company's Quarter 1, 2022
Excess Emissions & Monitoring Performance Report
Permit Number 13700061

Ms. D'Agostino:

Hibbing Taconite Company (HTC) is subject to the 2016 Revision to 2013 Taconite Federal Implementation Plan Establishing BART for Taconite Plants (FIP) which requires the installation of Continuous Emission Monitors (CEMS) to monitor nitrogen oxides (NO_x) and sulfur dioxide (SO_2). This submittal satisfies the requirements of 40 CFR 52.1235(e)(7).

Per 40 CFR 52.1235(c)(4)(v), HTC is to provide a report of each performance evaluation and QA/QC check within 60 days of completion. Attached is Appendix A, which contains the list of the most recent Relative Accuracy Test Audit (RATA) and Cylinder Gas Audit (CGA) results.

HTC does not have a limit in effect at this time associated with the NO_x CEMS; therefore, the proposed NO_x limit listed in the FIP is not yet enforceable. The initial SO_2 limit came into effect during the 1st Quarter 2017 reporting period and was revised on April 11, 2018 to 347.4 lbs. SO_2/hr. Attached is HTC's Quarterly Excess Emissions and Monitoring System Performance Report. Considering that HTC's NO_x limit is not yet enforceable, HTC's report will contain a zero (0) in the boxes related to excess emission events. Periods of downtime that occurred during this reporting quarter are listed by monitor in the attached report.

Please contact Jennifer Damyanovich at (218) 262-6849 or jennifer.damyanovich@clevelandcliffs.com if you have any questions regarding this report.

I certify, based on the information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Sincerely,

Chad Asgaard
General Manager

Attachment A: Quality Control Reporting

Relative Accuracy Test Audit Results

Cylinder Gas Audit Results

RATA's									
Emission Unit (EU)	Stack Vent (SV)	EU Description	Monitor	Pollutant	Audit Date	Results (%)	Next Test Due	Pass/Fail	Comments
020	021	Furnace Line One, Stack 1	No MR	NO_x	7/12/2021	5.2	3rd Quarter, 2022	Pass	Results less than 20%
				SO_2	7/12/2021	4.2	3rd Quarter, 2022	Pass	Results less than 20%
	022	Furnace Line One, Stack 2	No MR	NO_x	7/12/2021	11.2	3rd Quarter, 2022	Pass	Results less than 20%
				SO_2	7/12/2021	7.0	3rd Quarter, 2022	Pass	Results less than 20%
	023	Furnace Line One, Stack 3	No MR	NO_x	7/12/2021	2.8	3rd Quarter, 2022	Pass	Results less than 20%
				SO_2	7/12/2021	8.7	3rd Quarter, 2022	Pass	Results less than 20%
	024	Furnace Line One, Stack 4	No MR	NO_x	7/12/2021	1.4	3rd Quarter, 2022	Pass	Results less than 20%
				SO_2	7/12/2021	9.9	3rd Quarter, 2022	Pass	Results less than 20%
021	025	Furnace Line Two, Stack 4	No MR	NO_x	7/13/2021	3.2	3rd Quarter, 2022	Pass	Results less than 20%
				SO_2	7/13/2021	8.5	3rd Quarter, 2022	Pass	Results less than 20%
	026	Furnace Line Two, Stack 3	No MR	NO_x	7/13/2021	3.9	3rd Quarter, 2022	Pass	Results less than 20%
				SO_2	7/13/2021	4.8	3rd Quarter, 2022	Pass	Results less than 20%
	027	Furnace Line Two, Stack 2	No MR	NO_x	7/13/2021	9.7	3rd Quarter, 2022	Pass	Results less than 20%
				SO_2	7/13/2021	16.0	3rd Quarter, 2022	Pass	Results less than 20%
	028	Furnace Line Two, Stack 1	No MR	NO_x	7/13/2021	5.0	3rd Quarter, 2022	Pass	Results less than 20%
				SO_2	7/13/2021	15.2	3rd Quarter, 2022	Pass	Results less than 20%
022	029	Furnace Line One, Stack 1	No MR	NO_x	7/14/2021	7.0	3rd Quarter, 2022	Pass	Results less than 20%
				SO_2	7/14/2021	15.4	3rd Quarter, 2022	Pass	Results less than 20%
	030	Furnace Line One, Stack 2	No MR	NO_x	7/14/2021	1.5	3rd Quarter, 2022	Pass	Results less than 20%
				SO_2	7/14/2021	5.6	3rd Quarter, 2022	Pass	Results less than 20%
	031	Furnace Line One, Stack 3	No MR	NO_x	7/14/2021	1.5	3rd Quarter, 2022	Pass	Results less than 20%
				SO_2	7/14/2021	2.3	3rd Quarter, 2022	Pass	Results less than 20%
	032	Furnace Line One, Stack 4	No MR	NO_x	7/14/2021	1.1	3rd Quarter, 2022	Pass	Results less than 20%
				SO_2	7/14/2021	11.5	3rd Quarter, 2022	Pass	Results less than 20%

CGA's									
Emission Unit (EU)	Stack Vent (SV)	EU Description	Monitor	Pollutant	Audit Date	Results (L/M%)	Next Test Due	Pass/Fail	Comments
020	021	021	No MR	NO_x	2/2/2022	1.6/1.4	2nd Quarter, 2022	Pass	None
				SO_2	1/31/2022	1.0/0.7	2nd Quarter, 2022	Pass	
	022	022	No MR	NO_x	2/2/2022	0.6/0.5	2nd Quarter, 2022	Pass	
				SO_2	1/31/2022	0.1/0.1	2nd Quarter, 2022	Pass	
	023	023	No MR	NO_x	2/2/2022	1.1/1.4	2nd Quarter, 2022	Pass	
				SO_2	1/31/2022	0.7/2.4	2nd Quarter, 2022	Pass	
	024	024	No MR	NO_x	2/2/2022	0.1/0.2	2nd Quarter, 2022	Pass	
				SO_2	1/31/2022	0.6/1.0	2nd Quarter, 2022	Pass	
021	025	025	No MR	NO_x	1/31/2022	2.0/2.2	2nd Quarter, 2022	Pass	None
				SO_2	2/1/2022	2.8/0.0	2nd Quarter, 2022	Pass	
	026	026	No MR	NO_x	1/31/2022	1.6/1.9	2nd Quarter, 2022	Pass	
				SO_2	2/1/2022	2.1/0.1	2nd Quarter, 2022	Pass	
	027	027	No MR	NO_x	1/31/2022	1.4/1.2	2nd Quarter, 2022	Pass	
				SO_2	2/1/2022	3.9/1.1	2nd Quarter, 2022	Pass	
	028	028	No MR	NO_x	1/31/2022	0.1/0.2	2nd Quarter, 2022	Pass	
				SO_2	2/1/2022	1.5/0.8	2nd Quarter, 2022	Pass	
022	029	029	No MR	NO_x	2/1/2022	1.1/0.9	2nd Quarter, 2022	Pass	None
				SO_2	2/2/2022	0.4/1.9	2nd Quarter, 2022	Pass	
	030	030	No MR	NO_x	2/1/2022	3.4/3.3	2nd Quarter, 2022	Pass	
				SO_2	2/2/2022	3.0/0.4	2nd Quarter, 2022	Pass	
	031	031	No MR	NO_x	2/1/2022	0.6/0.6	2nd Quarter, 2022	Pass	
				SO_2	2/2/2022	6.4/2.9	2nd Quarter, 2022	Pass	
	032	032	No MR	NO_x	2/1/2022	1.1/1.3	2nd Quarter, 2022	Pass	
				SO_2	2/2/2022	6.0/2.1	2nd Quarter, 2022	Pass	

* Alternate Specification in PPM if noted with asterisk

CYLINDER GAS AUDIT INFORMATION						
Gas	Test Level	Analyzers	Cylinder ID Number	Date of Certification	Type of Certification	Certified Audit Value
NOX	Low	SV21-SV32	CC351382	1/22/2021	EPA Protocol	50.01
NOX	Mid	SV25-SV32	CC210194	11/24/2020	EPA Protocol	99.56
NOX	Mid	SV21-SV24	CC409740	5/27/2021	EPA Protocol	99.93
SO2	Low	SV21-SV24	CC359410	12/11/2020	EPA Protocol	12.56
SO2	Low	SV25-SV32	EB0092221	5/10/2021	EPA Protocol	12.65
SO2	Mid	SV21-SV32	CC232756	12/11/2020	EPA Protocol	25.13

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	**January 1, 2022 - March 31, 2022**
Company Name:	**Hibbing Taconite Company**
Company Address:	**4950 Hwy 5 North** **Hibbing MN**
Process Unit Identification:	**EU020, EU021, EU022**
Process Unit Description:	**Pellet Indurating Furnace Line No. 1, 2 & 3; straight grate indurating furnaces.**
Total Source Operating Time in Reporting Period:	**See Individual Stacks**
Total Source Operating Days in Reporting Period:	**See Individual Stacks**
Emission Limitation:	347.4 lbs SO2/hr (30 day rolling average)
Analyzer Analyte:	**SO2**
Analyzer Manufacturer:	**See Individual Stacks**
Analyzer Manufacturer Model No.:	**See Individual Stacks**
Analyzer Serial Number:	**See Individual Stacks**
Date of Latest CMS Certification or Audit:	**See Individual Stacks**
Description of changes in CEMS, processes, or controls since last reporting period:	**See Individual Stacks**

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
See Individual Stacks				

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU020
Process Unit Description:	Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,037 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	NOX
Analyzer Manufacturer:	See Individual Stacks
Analyzer Manufacturer Model No.:	See Individual Stacks
Analyzer Serial Number:	See Individual Stacks
Date of Latest CMS Certification or Audit:	See Individual Stacks
Description of changes in CEMS, processes, or controls since last reporting period:	See Individual Stacks

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
See Individual Stacks				

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU020 SV021
Process Unit Description:	Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,037 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	NOX
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T200M
Analyzer Serial Number:	225
Date of Latest CMS Certification or Audit:	2/2/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
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		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU020 SV021
Process Unit Description:	Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,037 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	SO2
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T100H
Analyzer Serial Number:	137
Date of Latest CMS Certification or Audit:	1/31/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
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		0.0		
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		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU020 SV021
Process Unit Description:	Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,037 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	Stack Flow
Analyzer Manufacturer:	Sick Maihak
Analyzer Manufacturer Model No.:	FLSE 100-H K178 35HSHS
Analyzer Serial Number:	8398564/18118323
Date of Latest CMS Certification or Audit:	7/12/2021
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
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		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU020 SV022
Process Unit Description:	Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,037 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	NOX
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T200M
Analyzer Serial Number:	226
Date of Latest CMS Certification or Audit:	2/2/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU020 SV022
Process Unit Description:	Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,037 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	SO2
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T100H
Analyzer Serial Number:	136
Date of Latest CMS Certification or Audit:	1/31/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU020 SV022
Process Unit Description:	Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,037 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	Stack Flow
Analyzer Manufacturer:	Sick Maihak
Analyzer Manufacturer Model No.:	FLSE 100-H K178 35HSHS
Analyzer Serial Number:	11318687/ 11318690
Date of Latest CMS Certification or Audit:	7/12/2021
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU020 SV023
Process Unit Description:	Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,037 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	NOX
Analyzer Manufacturer:	Teledyne Moniror Labs
Analyzer Manufacturer Model No.:	T200M
Analyzer Serial Number:	224
Date of Latest CMS Certification or Audit:	2/2/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU020 SV023
Process Unit Description:	Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,037 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	SO2
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T100H
Analyzer Serial Number:	134
Date of Latest CMS Certification or Audit:	1/31/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU020 SV023
Process Unit Description:	Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,037 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	Stack Flow
Analyzer Manufacturer:	Sick Maihak
Analyzer Manufacturer Model No.:	FLSE 100-H K178 35HSHS
Analyzer Serial Number:	11318686/ 11318679
Date of Latest CMS Certification or Audit:	7/12/2021
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU020 SV024
Process Unit Description:	Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,037 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	NOX
Analyzer Manufacturer:	Teledyne Moniror Labs
Analyzer Manufacturer Model No.:	T200M
Analyzer Serial Number:	215
Date of Latest CMS Certification or Audit:	2/2/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU020 SV024
Process Unit Description:	Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,037 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	SO2
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T100H
Analyzer Serial Number:	135
Date of Latest CMS Certification or Audit:	1/31/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU020 SV024
Process Unit Description:	Pellet Indurating Furnace Line No. 1; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,037 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	Stack Flow
Analyzer Manufacturer:	Sick Maihak
Analyzer Manufacturer Model No.:	FLSE 100-H K178 35HSHS
Analyzer Serial Number:	13438339/11168507
Date of Latest CMS Certification or Audit:	7/12/2021
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU021
Process Unit Description:	Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	1,626 hours
Total Source Operating Days in Reporting Period:	72 days
Emission Limitation:	N/A
Analyzer Analyte:	NOX
Analyzer Manufacturer:	See Individual Stacks
Analyzer Manufacturer Model No.:	See Individual Stacks
Analyzer Serial Number:	See Individual Stacks
Date of Latest CMS Certification or Audit:	See Individual Stacks
Description of changes in CEMS, processes, or controls since last reporting period:	See Individual Stacks

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
See Individual Stacks				
		0.0		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU021 SV025
Process Unit Description:	Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	1,626 hours
Total Source Operating Days in Reporting Period:	72 days
Emission Limitation:	N/A
Analyzer Analyte:	NOX
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T200M
Analyzer Serial Number:	199
Date of Latest CMS Certification or Audit:	1/31/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	1.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	1.0
3. Total CMS Downtime (%)	0.06%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
2/23/22 13:00	2/23/2022 13:59	1.0	Other known causes	Routine maintenance work. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU021 SV025
Process Unit Description:	Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	1,626 hours
Total Source Operating Days in Reporting Period:	72 days
Emission Limitation:	N/A
Analyzer Analyte:	SO2
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T100H
Analyzer Serial Number:	119
Date of Latest CMS Certification or Audit:	2/1/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	1.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	1.0
3. Total CMS Downtime (%)	0.06%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
2/23/22 13:00	2/23/2022 13:59	1.0	Other known causes	Routine maintenance work. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU021 SV025
Process Unit Description:	Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	1,626 hours
Total Source Operating Days in Reporting Period:	72 days
Emission Limitation:	N/A
Analyzer Analyte:	Stack Flow
Analyzer Manufacturer:	Sick Maihak
Analyzer Manufacturer Model No.:	FLSE 100-H K178 35HSHS
Analyzer Serial Number:	11318688/ 11318689
Date of Latest CMS Certification or Audit:	7/13/2021
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	15.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	15.0
3. Total CMS Downtime (%)	0.92%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
1/20/22 17:00	1/20/2022 18:59	2.0	Monitor equipment malfunctions	Thawed frozen flow meter. Returned to operation. Followed SSM Plan.
1/22/22 1:00	1/22/2022 6:59	6.0	Monitor equipment malfunctions	Thawed frozen flow meter. Returned to operation. Followed SSM Plan.
1/23/22 2:00	1/23/2022 4:59	3.0	Monitor equipment malfunctions	Thawed frozen flow meter. Returned to operation. Followed SSM Plan.
1/23/22 17:00	1/23/2022 20:59	4.0	Monitor equipment malfunctions	Thawed frozen flow meter. Returned to operation. Followed SSM Plan.
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU021 SV026
Process Unit Description:	Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	1,626 hours
Total Source Operating Days in Reporting Period:	72 days
Emission Limitation:	N/A
Analyzer Analyte:	NOX
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T200M
Analyzer Serial Number:	197
Date of Latest CMS Certification or Audit:	1/31/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU021 SV026
Process Unit Description:	Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	1,626 hours
Total Source Operating Days in Reporting Period:	72 days
Emission Limitation:	N/A
Analyzer Analyte:	SO2
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T100H
Analyzer Serial Number:	116
Date of Latest CMS Certification or Audit:	2/1/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU021 SV026
Process Unit Description:	Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	1,626 hours
Total Source Operating Days in Reporting Period:	72 days
Emission Limitation:	N/A
Analyzer Analyte:	Stack Flow
Analyzer Manufacturer:	Sick Maihak
Analyzer Manufacturer Model No.:	FLSE 100-H K178 35HSHS
Analyzer Serial Number:	11318672/ 8398565
Date of Latest CMS Certification or Audit:	7/13/2021
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU021 SV027
Process Unit Description:	Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	1,626 hours
Total Source Operating Days in Reporting Period:	72 days
Emission Limitation:	N/A
Analyzer Analyte:	NOX
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T200M
Analyzer Serial Number:	179
Date of Latest CMS Certification or Audit:	1/31/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU021 SV027
Process Unit Description:	Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	1,626 hours
Total Source Operating Days in Reporting Period:	72 days
Emission Limitation:	N/A
Analyzer Analyte:	SO2
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T100H
Analyzer Serial Number:	115
Date of Latest CMS Certification or Audit:	2/1/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU021 SV027
Process Unit Description:	Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	1,626 hours
Total Source Operating Days in Reporting Period:	72 days
Emission Limitation:	N/A
Analyzer Analyte:	Stack Flow
Analyzer Manufacturer:	Sick Maihak
Analyzer Manufacturer Model No.:	FLSE 100-H K178 35HSHS
Analyzer Serial Number:	11318684/ 11318691
Date of Latest CMS Certification or Audit:	7/13/2021
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU021 SV028
Process Unit Description:	Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	1,626 hours
Total Source Operating Days in Reporting Period:	72 days
Emission Limitation:	N/A
Analyzer Analyte:	NOX
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T200M
Analyzer Serial Number:	198
Date of Latest CMS Certification or Audit:	1/31/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU021 SV028
Process Unit Description:	Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	1,626 hours
Total Source Operating Days in Reporting Period:	72 days
Emission Limitation:	N/A
Analyzer Analyte:	SO2
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T100H
Analyzer Serial Number:	117
Date of Latest CMS Certification or Audit:	2/1/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU021 SV028
Process Unit Description:	Pellet Indurating Furnace Line No. 2; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	1,626 hours
Total Source Operating Days in Reporting Period:	72 days
Emission Limitation:	N/A
Analyzer Analyte:	Stack Flow
Analyzer Manufacturer:	Sick Maihak
Analyzer Manufacturer Model No.:	FLSE 100-H K178 35HSHS
Analyzer Serial Number:	11318678/ 11318673
Date of Latest CMS Certification or Audit:	7/13/2021
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of downtime during this reporting period.				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU022
Process Unit Description:	Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,092 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	NOX
Analyzer Manufacturer:	See Individual Stacks
Analyzer Manufacturer Model No.:	See Individual Stacks
Analyzer Serial Number:	See Individual Stacks
Date of Latest CMS Certification or Audit:	See Individual Stacks
Description of changes in CEMS, processes, or controls since last reporting period:	See Individual Stacks

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

Excess Emissions Details						
Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details				
Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
See Individual Stacks				
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		
		0.00		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU022 SV029
Process Unit Description:	Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,092 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	NOX
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T200M
Analyzer Serial Number:	213
Date of Latest CMS Certification or Audit:	2/1/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	1.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	1.0
3. Total CMS Downtime (%)	0.05%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
02/17/2022 16:00	02/17/2022 16:59	1.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU022 SV029
Process Unit Description:	Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,092 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	SO2
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T100H
Analyzer Serial Number:	129
Date of Latest CMS Certification or Audit:	2/2/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	1.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	1.0
3. Total CMS Downtime (%)	0.05%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
02/17/2022 16:00	02/17/2022 16:59	1.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU022 SV029
Process Unit Description:	Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,092 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	Stack Flow
Analyzer Manufacturer:	Sick Maihak
Analyzer Manufacturer Model No.:	FLSE 100-H K178 35HSHS
Analyzer Serial Number:	11318676/ 11318683
Date of Latest CMS Certification or Audit:	7/14/2021
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU022 SV030
Process Unit Description:	Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,092 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	NOX
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T200M
Analyzer Serial Number:	212
Date of Latest CMS Certification or Audit:	2/1/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	1.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	1.0
3. Total CMS Downtime (%)	0.05%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
02/17/2022 16:00	02/17/2022 16:59	1.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU022 SV030
Process Unit Description:	Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,092 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	SO2
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T100H
Analyzer Serial Number:	130
Date of Latest CMS Certification or Audit:	2/2/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	1.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	1.0
3. Total CMS Downtime (%)	0.05%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
02/17/2022 16:00	02/17/2022 16:59	1.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU022 SV030
Process Unit Description:	Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,092 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	Stack Flow
Analyzer Manufacturer:	Sick Maihak
Analyzer Manufacturer Model No.:	FLSE 100-H K178 35HSHS
Analyzer Serial Number:	11318682/ 11318681
Date of Latest CMS Certification or Audit:	7/14/2021
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU022 SV031
Process Unit Description:	Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,092 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	NOX
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T200M
Analyzer Serial Number:	214
Date of Latest CMS Certification or Audit:	2/1/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	1.0
c. Quality assurance calibration	0.0
d. Other known causes	3.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	4.0
3. Total CMS Downtime (%)	0.19%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
01/10/2022 06:00	01/10/2022 07:59	2.0	Other known causes	Extreme cold caused freeze up. Returned to operation. Followed SSM plan.
01/20/2022 03:00	01/20/2022 03:59	1.0	Other known causes	Extreme cold caused freeze up. Returned to operation. Followed SSM plan.
02/17/2022 16:00	02/17/2022 16:59	1.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU022 SV031
Process Unit Description:	Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,092 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	SO2
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T100H
Analyzer Serial Number:	132
Date of Latest CMS Certification or Audit:	2/2/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	1.0
c. Quality assurance calibration	0.0
d. Other known causes	3.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	4.0
3. Total CMS Downtime (%)	0.19%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
01/10/2022 06:00	01/10/2022 07:59	2.0	Other known causes	Extreme cold caused freeze up. Returned to operation. Followed SSM plan.
01/20/2022 03:00	01/20/2022 03:59	1.0	Other known causes	Extreme cold caused freeze up. Returned to operation. Followed SSM plan.
02/17/2022 16:00	02/17/2022 16:59	1.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU022 SV031
Process Unit Description:	Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,092 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	Stack Flow
Analyzer Manufacturer:	Sick Maihak
Analyzer Manufacturer Model No.:	FLSE 100-H K178 35HSHS
Analyzer Serial Number:	11318670/ 11318677
Date of Latest CMS Certification or Audit:	7/14/2021
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU022 SV032
Process Unit Description:	Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,092 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	NOX
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T200M
Analyzer Serial Number:	195
Date of Latest CMS Certification or Audit:	2/1/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	1.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	1.0
3. Total CMS Downtime (%)	0.05%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
02/17/2022 16:00	02/17/2022 16:59	1.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU022 SV032
Process Unit Description:	Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,092 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	SO2
Analyzer Manufacturer:	Teledyne Monitor Labs
Analyzer Manufacturer Model No.:	T100H
Analyzer Serial Number:	131
Date of Latest CMS Certification or Audit:	2/2/2022
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	1.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	1.0
3. Total CMS Downtime (%)	0.05%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
02/17/2022 16:00	02/17/2022 16:59	1.0	Non-Monitor equipment malfunctions	Repaired server malfunction. Returned to operation. Followed SSM plan.
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		

Quarterly Excess Emissions and Monitoring System Performance Report
Required by 40 CFR 52.1235(e)(7)

Reporting Period Dates:	January 1, 2022 - March 31, 2022
Company Name:	Hibbing Taconite Company
Company Address:	4950 Hwy 5 North Hibbing MN
Process Unit Identification:	EU022 SV032
Process Unit Description:	Pellet Indurating Furnace Line No. 3; straight grate indurating furnace.
Total Source Operating Time in Reporting Period:	2,092 hours
Total Source Operating Days in Reporting Period:	88 days
Emission Limitation:	N/A
Analyzer Analyte:	Stack Flow
Analyzer Manufacturer:	Sick Maihak
Analyzer Manufacturer Model No.:	FLSE 100-H K178 35HSHS
Analyzer Serial Number:	11318680/ 11318671
Date of Latest CMS Certification or Audit:	7/14/2021
Description of changes in CEMS, processes, or controls since last reporting period:	N/A

Excess Emissions Summary	
1. Duration of excess emissions in reporting period due to:	
a. Startup/Shutdown	0.0
b. Control equipment problems	0.0
c. Process problems	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total duration of excess emissions (days)	0.0
3. Total duration of excess emissions (%)	0.00%

CMS Performance Summary	
1. CMS Downtime in reporting period due to:	
a. Monitor equipment malfunctions	0.0
b. Non-Monitor equipment malfunctions	0.0
c. Quality assurance calibration	0.0
d. Other known causes	0.0
e. Unknown causes	0.0
2. Total CMS Downtime (hours)	0.0
3. Total CMS Downtime (%)	0.00%

Excess Emissions Details

Start Date & Time	End Date & Time	Duration of Excess Emissions (hours)	Pollutant	Magnitude of Emissions	Cause of Excess Emissions	Corrective Action
There were no periods of excess emissions during this reporting period						

CMS Downtime Details

Start Date & Time	End Date & Time	Duration of Monitor Downtime (hours)	Cause of Monitor Downtime	Corrective Action
There were no periods of monitor downtime during this reporting period				
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		
		0.0		