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September 26, 2024

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Vikranth Michael
Site Manager and President
P4 Production, LLC
Soda Springs Plant
1853 Highway 34
P.O. Box 816
Soda Springs, ID 83276-0816
Certified Mail # 7018 3090 0000 1757 6576

RE: Notice of Clean Air Act Violations

Dear Mr. Michael:

I write on behalf of the Idaho Conservation League and Environment America (collectively, the “Citizen Groups”). This letter is being provided pursuant to Section 304(a)(1) of the Clean Air Act (“CAA”), 42 U.S.C. § 7604(a)(1), because the Citizen Groups believe that P4 Production LLC (“P4 Production”) has violated and will continue to violate the CAA, its CAA permit, and regulations adopted by the State of Idaho under the CAA by failing to report estimates of the air pollutants (including opacity) emitted during excess emissions events occurring at the company’s phosphate processing facility in Soda Springs.

The Idaho Department of Environmental Quality (“DEQ”) has issued a CAA Tier 1 Operating Permit No. T1-2020.0029 (the “P4 Permit”) to P4 Production.¹ This permit governs P4 Production’s operation of the phosphate processing facility located at 1853 Highway 34 North, Soda Springs, Idaho 83276 (the “P4 Facility”).

¹ The P4 Permit has been revised from time to time, but the permit conditions identified in this notice have been a part of the permit at all times relevant to this notice. Starting in 2016, the permit number and date of the P4 Permit history have been as follows: No. T1-2014.0001, issued 2/11/2016; No. T1-2014.0001, issued 11/4/2019; No. T1-2014.0001, issued 9/30/2020; No. T1-2020.0029, issued 5/3/2021; and No. T1-2020.0029, issued 12/23/2021 (the current version).

Permit Requirements Governing Excess Emissions

The P4 Permit, at Conditions 3.10 – 3.14, contains requirements pertaining to excess emissions. These provisions, in turn, incorporate sections 58.01.01.130–136 of the Idaho Administrative Code (“IDAPA”), which are also part of the Idaho State Implementation Plan adopted under Section 110 of the CAA, 42 U.S.C. § 7410. Condition 3.30 of the P4 Permit states: “Excess emissions reports and notifications shall be submitted in accordance with IDAPA 58.01.01.130–136.” “Excess emissions” are “emissions in excess of applicable emission standards.” IDAPA 58.01.01.134.04(c). An “excess emissions event” is an occurrence at the P4 Facility during which such excess emissions are released.

Condition 3.14 of the P4 Permit states as follows:

The permittee shall submit a written report to DEQ for each excess emissions event, no later than 15 days after the beginning of such an event. Each report shall contain the information specified in IDAPA 58.01.01.135.02.

IDAPA 58.01.01.135.02, in turn, specifies as follows (*italics added for emphasis*):

Each [excess emissions event] report must contain the following information:

- a.** The time period during which the excess emissions occurred;
- b.** Identification of the specific equipment or emissions unit that caused the excess emissions;
- c.** An explanation of the cause, or causes, of the excess emissions and whether the excess emissions occurred as a result of startup, shutdown, scheduled maintenance, upset, breakdown or a safety measure;
- d.** *An estimate of the emissions in excess of any applicable emission standard (based on knowledge of the process and facility where emissions data is unavailable);*
- e.** A description of the activities carried out to eliminate the excess emissions; and
- f.** Certify compliance status with the requirements of [IDAPA 58.01.01] Sections 131, 132, 133.01, 134.01 through 134.03, 135, and 136.

P4's Violations of Excess Emissions Reporting Requirements

In the five years preceding the date of this notice, P4 Production has submitted excess emissions reports to DEQ, covering 773 excess emissions events, in which P4 Production failed to provide an estimate of the emissions released in excess of the applicable emission standard as required by the P4 Permit. Each of these failures is a violation of Permit Conditions 3.14 and 3.30 and IDAPA 58.01.01.135.02(d).

Along with this letter, we have sent you a USB flash drive which contains Excel and PDF versions of a Violations Table.² The Violations Table contains information taken directly from these excess emissions reports submitted by P4 Production. For each reported emissions event, the Table contains the following information from the corresponding report: the date and time the excess emissions event started; the date and time the event ended; the duration of the event; the source of the excess emissions at the P4 Facility; the type of emissions event (“Upset” or “SSM” [startup, shutdown, or scheduled maintenance]); the cause of the excess emissions; the standard exceeded; the information (if any) provided regarding the amount of the excess emission; and the excess emissions event number used by P4 Production on its report (P4 Production often includes more than one excess emission under the same event number).

The entries in the last column (“Information Provided on Excess Emissions”) provide the evidence of P4 Production’s reporting violations. For 310 excess emission events *not* involving a violation of the 20% opacity limit, P4 Production’s excess emission reports provided no information regarding the type of pollutant(s) released and no estimate of the amount(s) of emissions in excess of the applicable emission standard(s). That is signified in the Violations Table by the following entry: “No quantities reported for any pollutant.”

For 101 excess emission events involving a violation of the P4 Permit’s 20% opacity limit, P4 Production’s excess emissions reports provided no information or estimate regarding the degree to which the opacity of its emissions exceeded the limit, and no information regarding the type or amount of the pollutant(s) causing the opacity violation. That is signified in the Violations Table by the following entry: “No opacity percentage reported.”

For 362 other excess emission events in the Violations Table involving a violation of the P4 Permit’s 20% opacity limit, P4 Production used the following identical boilerplate language in each report: “An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity.” Thus, rather than provide the required actual emissions data or event-specific estimate based on process knowledge (of the time period(s) during which the opacity exceeded the 20% limit, the amount (or range) by which it exceeded that limit, and the type and amount of the pollutant(s) causing the opacity violation), P4 Production simply cut-and-pasted a uniform, pre-determined response. This vague and nonspecific information is tantamount to no information at all. While it does confirm that the opacity limit was exceeded, it provides no real “estimate of the emissions in excess” of that limit, as is required by the P4 Permit.

² The Violations Table can also be downloaded at the following link. Please let us know if you have any issues obtaining a copy: <https://www.nelc.org/wp-content/uploads/2024/09/P4-Violations-Chart.xlsx>

Time Period Covered by This Notice

The Violations Table covers the excess emission reports from the past five years that were available as of a recent public records request. This notice covers all violations of the permit requirements identified herein that occurred within the five years immediately preceding the date of this notice, and all similar violations occurring thereafter. In addition, the Citizen Groups believe that, should DEQ issue P4 Production a revised permit with comparable reporting requirements, P4 Production will violate those requirements.

If you believe any of the information in this letter or in the attached Violations Table is incorrect, if you believe you are complying with the excess emissions reporting requirements of the P4 Permit, or if you would like to discuss any other aspect of this matter, please contact me by email at josh.kratka@nelc.org or by telephone at (617) 747-4333 (office) or (617) 599-6979 (cell) within 21 days.

Sincerely,



Josh Kratka

Additional counsel sending this letter

Bryan Hurlbutt, Esq.
Advocates for the West
1320 W. Franklin St.
Boise, ID 83702

Addresses and telephone numbers of parties giving notice:

Idaho Conservation League
710 N 6th St
Boise, ID 83702
(208) 345-6933
(Mailing Address:
PO Box 844
Boise, ID 83701)

Environment America
1543 Wazee Street, Suite 410
Denver, CO, 80202
(303) 801-0581

cc (by certified mail – return receipt requested):

Corporation Service Company
Commercial Registered Agent
1305 12th Ave Road
Nampa, ID 83686
Certified Mail # 7018 3090 0000 1757 6606

Michael S. Regan, Administrator
U.S. Environmental Protection Agency
Office of the Administrator, 1101A
1200 Pennsylvania Avenue, N.W.
Washington, D.C. 20460
Certified Mail # 7018 3090 0000 1757 6583

Casey Sixkiller, Regional Administrator
U.S. EPA Region 10 Administrator
1200 Sixth Avenue, Suite 155
Seattle, WA 98101
Certified Mail # 7019 0140 0000 7122 9946

Jess Byrne, Director
Idaho Department of Environmental Quality
1410 N. Hilton St.
Boise, ID 83706
Certified Mail # 7018 3090 0000 1757 6590

Notice also mailed to:

Brad Little, Governor
Office of the Governor
State Capitol
P.O. Box 83720
Boise, ID 83720
Certified Mail # 7019 0140 0000 7122 9953

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2024-100	8/6/2024 7:51 AM	8/6/2024 7:52 AM	0:01	#7 and 8 CO Flare Stack	Upset	Rodding pressure tap on 7/8 CO Flare Valve	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-100	8/6/2024 12:23 PM	8/6/2024 12:24 PM	0:01	#7 and 8 CO Flare Stack	Upset	Rodding pressure tap on 7/8 CO Flare Valve	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-099	7/31/2024 10:30 AM	7/31/2024 11:30 AM	1:00	Coke Handling Baghouse Stack	SSM	PM	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-098	7/29/2024 10:12 AM	7/29/2024 10:20 AM	0:08	#7 and 8 CO Flare Stack	Upset	Thermal oxidizer shut down causing furnace to flare	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-096	7/25/2024 7:41 PM	7/25/2024 7:48 PM	0:07	#7 and 8 CO Flare Stack	Upset	Pressure control issues with instrumentation	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-096	7/25/2024 11:32 AM	7/25/2024 11:59 AM	0:27	#8 Vent Stack	Upset	Pressure control issues with instrumentation	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-095	7/24/2024 9:14 PM	7/24/2024 9:15 PM	0:01	#7 and 8 CO Flare Stack	Upset	Pressure control issues #8 FCE, recycle butterfly valve and roof taps	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-095	7/24/2024 12:59 AM	7/24/2024 1:20 AM	0:21	#8 Vent Stack	Upset	Pressure control issues #8 FCE, recycle butterfly valve and roof taps	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-095	7/24/2024 9:14 PM	7/24/2024 9:15 PM	0:01	#9 CO Flare Stack	Upset	Pressure control issues #8 FCE, recycle butterfly valve and roof taps	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-094	7/22/2024 4:18 AM	7/22/2024 4:42 AM	0:24	#7 and 8 CO Flare Stack	Upset	To gas issues slamming valves shut	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-094	7/22/2024 4:46 AM	7/22/2024 4:52 AM	0:06	#7 and 8 CO Flare Stack	Upset	To gas issues slamming valves shut	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-094	7/22/2024 4:17 AM	7/22/2024 4:18 AM	0:01	#9 CO Flare Stack	Upset	To gas issues slamming valves shut	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-092	7/18/2024 3:20 PM	7/18/2024 7:16 PM	3:56	#8 Vent Stack	SSM	Planned maintenance 8 A screw N2 seal	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-091	7/18/2024 3:00 AM	7/19/2024 7:00 AM	28:00	Nodule Venturi Stack	Upset	We need to take the fan off to make repairs	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2024-089	7/11/2024 6:46 AM	7/11/2024 7:23 AM	0:37	#7 and 8 CO Flare Stack	Upset	Low gas pressure at thermal oxidizer caused it to loose flame. Had to restart thermal oxidizer	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-089	7/11/2024 6:46 AM	7/11/2024 6:49 AM	0:03	#9 CO Flare Stack	Upset	Low gas pressure at thermal oxidizer caused it to loose flame. Had to restart thermal oxidizer	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-088	7/10/2024 7:00 AM	7/10/2024 12:00 PM	5:00	#8 Vent Stack	SSM	Water blasting screws on #8 and work being do on main venting #9 shutdown of Thermal oxidizer washing main	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-088	7/10/2024 7:40 AM	7/10/2024 9:47 AM	2:07	#9 Vent Stack	SSM	Water blasting screws on #8 and work being do on main venting #9 shutdown of Thermal oxidizer washing main	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-087	7/10/2024 2:23 AM	7/10/2024 2:24 AM	0:01	#7 and 8 CO Flare Stack	Upset	TO tripped off and flared 8 and 9 FCE	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-087	7/10/2024 10:20 AM	7/10/2024 10:23 AM	0:03	#7 and 8 CO Flare Stack	Upset	TO tripped off and flared 8 and 9 FCE	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-087	7/10/2024 2:23 AM	7/10/2024 4:04 AM	1:41	#9 CO Flare Stack	Upset	TO tripped off and flared 8 and 9 FCE	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-087	7/10/2024 9:49 AM	7/10/2024 9:55 AM	0:06	#9 CO Flare Stack	Upset	TO tripped off and flared 8 and 9 FCE	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-087	7/10/2024 2:23 AM	7/10/2024 4:00 AM	1:37	Thermal Oxidizer Stacks	Upset	TO tripped off and flared 8 and 9 FCE	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-086	7/9/2024 8:00 AM	7/12/2024 5:15 PM	81:15	Nodule Venturi Stack	SSM	We will be taking down the venturi fan on 7/9 for the shutdown	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2024-085	7/8/2024 3:53 AM	7/8/2024 6:30 AM	2:37	#8 Vent Stack	Upset	Pressure control issue with nitrogen pruge line at the pressure tap valves	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-083	7/3/2024 10:00 AM	7/6/2024 6:00 PM	80:00	Nodule Venturi Stack	Upset	Louver position pluggage in tubing buildup in system	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2024-082	6/26/2024 1:00 PM	6/26/2024 2:00 PM	1:00	Kiln Hydrosonic Stacks	Upset	A different ore blend was being tested at the kiln, during the test pH dipped below permit level	Operational parameter (4.6)	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2024-082	6/26/2024 1:00 AM	6/26/2024 2:00 AM	1:00	Kiln Hydrosonic Stacks	Upset	A different ore blend was being tested at the kiln, during the test pH dipped below permit level	Operational parameter (4.6)	No quantities reported for any pollutant
2024-082	6/26/2024 5:00 AM	6/26/2024 7:00 AM	2:00	Kiln Hydrosonic Stacks	Upset	A different ore blend was being tested at the kiln, during the test pH dipped below permit level	Operational parameter (4.6)	No quantities reported for any pollutant
2024-082	6/30/2024 9:00 PM	7/1/2024 7:00 AM	10:00	Kiln Hydrosonic Stacks	Upset	A different ore blend was being tested at the kiln, during the test pH dipped below permit level	Operational parameter (4.6)	No quantities reported for any pollutant
2024-082	7/2/2024 5:00 PM	7/2/2024 7:00 PM	2:00	Kiln Hydrosonic Stacks	Upset	A different ore blend was being tested at the kiln, during the test pH dipped below permit level	Operational parameter (4.6)	No quantities reported for any pollutant
2024-081	7/1/2024 9:36 AM	7/3/2024 9:36 AM	48:00	#7 Vent Stack	SSM	#7 furnace shutdown	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-080	6/25/2024 9:00 PM	6/25/2024 10:00 PM	1:00	Kiln Hydrosonic Stacks	SSM	Scale build up in the trains	Operational parameter (4.7)	No quantities reported for any pollutant
2024-080	6/25/2024 12:00 AM	6/25/2024 6:00 AM	6:00	Kiln Hydrosonic Stacks	SSM	Scale build up in the trains	Operational parameter (4.7)	No quantities reported for any pollutant
2024-079	6/25/2024 8:28 AM	6/25/2024 1:21 PM	4:53	#8 Vent Stack	SSM	Pressure control testing	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-078	6/24/2024 8:00 AM	6/24/2024 3:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	To prepare for testing a new ore blend we are cleaning all throats and sprays on the kiln emission trains	Operational parameter (4.7)	No quantities reported for any pollutant
2024-077	6/22/2024 11:57 PM	6/22/2024 11:58 PM	0:01	#9 CO Flare Stack	Upset	Rodding pressure tap on #9 CO pressure tap and we flared	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-076	6/18/2024 7:45 AM	6/18/2024 2:20 PM	6:35	#8 CO Dust BH	SSM	Going down for bag inspection	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-074	6/14/2024 3:00 AM	6/15/2024 5:00 PM	38:00	Kiln Hydrosonic Stacks	Upset	We have a failed flange that is leaking on #4 train	Operational parameter (4.7)	No quantities reported for any pollutant
2024-073	6/4/2024 3:40 AM	6/4/2024 5:31 AM	1:51	#7 and 8 CO Flare Stack	Upset	Kiln Shutdown Cold Stock, TO and FCE pressure trips	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-073	6/4/2024 3:40 AM	6/4/2024 5:31 AM	1:51	#7 and 8 CO Flare Stack	Upset	Kiln Shutdown Cold Stock, TO and FCE pressure trips	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-072	6/1/2024 7:47 PM	6/1/2024 7:50 PM	0:03	#9 CO Flare Stack	Upset	FCE Flare stk vents due to valves closing at north end of plant/PRV vent line replaced ... LOTO	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-072	6/1/2024 6:11 PM	6/1/2024 6:12 PM	0:01	#7 and 8 CO Flare Stack	Upset	FCE Flare stk vents due to valves closing at north end of plant/PRV vent line replaced ... LOTO	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-072	6/1/2024 5:57 PM	6/1/2024 5:58 PM	0:01	#7 and 8 CO Flare Stack	Upset	FCE Flare stk vents due to valves closing at north end of plant/PRV vent line replaced ... LOTO	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-072	6/1/2024 8:19 AM	6/1/2024 8:19 AM	0:00	#7 and 8 CO Flare Stack	Upset	FCE Flare stk vents due to valves closing at north end of plant/PRV vent line replaced ... LOTO	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-072	6/1/2024 8:19 AM	6/1/2024 8:19 AM	0:00	#9 CO Flare Stack	Upset	FCE Flare stk vents due to valves closing at north end of plant/PRV vent line replaced ... LOTO	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-072	5/30/2024 2:17 PM	5/30/2024 2:23 PM	0:06	#9 Explosion Seal Vnt	Upset	FCE Flare stk vents due to valves closing at north end of plant/PRV vent line replaced ... LOTO	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-072	5/30/2024 7:27 AM	5/30/2024 7:39 AM	0:12	#7 and 8 CO Flare Stack	Upset	FCE Flare stk vents due to valves closing at north end of plant/PRV vent line replaced ... LOTO	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-072	5/30/2024 7:27 AM	5/30/2024 7:39 AM	0:12	#9 CO Flare Stack	Upset	FCE Flare stk vents due to valves closing at north end of plant/PRV vent line replaced ... LOTO	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-071	5/30/2024 11:00 AM	5/30/2024 6:00 PM	7:00	Nodule Venturi Stack	SSM	Venturi pump is bad, it will need to be W/B and replaced	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2024-070	5/30/2024 6:43 AM	5/30/2024 8:05 AM	1:22	#8 CO Dust BH	SSM	Need to verify/ black light bags in baghouse	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-070	5/29/2024 12:00 PM	5/29/2024 5:00 PM	5:00	#8 THFC Stack	SSM	Need to verify/ black light bags in baghouse	Requirement to operate equipment (5.3)	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2024-069	5/29/2024 11:27 AM	5/29/2024 12:50 PM	1:23	Nodule Reclaim BH	Upset	Fan vibration	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-068	5/28/2024 10:00 AM	6/1/2024 8:15 AM	94:15	Kiln Hydrosonic Stacks	SSM	Fan needs hydro blasted	Operational parameter (4.7)	No quantities reported for any pollutant
2024-067	5/21/2024 6:00 AM	5/21/2024 2:30 PM	8:30	Nodule Reclaim BH	SSM	Inspect PM bag house	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-066	5/20/2024 3:00 AM	05/26/2024 10:00 AM	151:00	Kiln Hydrosonic Stacks	SSM	Fan vibration #1 kiln emission, cleaning and hydroblasting fan and bringing back online	Operational parameter (4.7)	No quantities reported for any pollutant
2024-065	5/19/2024 6:00 PM	5/20/2024 3:00 AM	9:00	Kiln Hydrosonic Stacks	Upset	We are having high Dp reading on #3 train and #4 train throats need cleaned	Operational parameter (4.7)	No quantities reported for any pollutant
2024-065	5/18/2024 11:00 AM	5/18/2024 4:00 PM	5:00	Kiln Hydrosonic Stacks	Upset	We are having high Dp reading on #3 train and #4 train throats need cleaned	Operational parameter (4.7)	No quantities reported for any pollutant
2024-064	5/17/2024 4:00 PM	5/19/2024 4:00 PM	48:00	#7 Vent Stack	SSM	Scheduled shutdown Maintenance #7 Furnace off	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-063	5/14/2024 11:00 AM	5/14/2024 2:00 PM	3:00	Kiln Hydrosonic Stacks	Upset	Buildup	Operational parameter (4.7)	No quantities reported for any pollutant
2024-062	5/6/2024 9:00 PM	5/8/2024 10:00 AM	37:00	Nodule Venturi Stack	Upset	Low dp reading alarming	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-061	5/4/2024 4:20 PM	5/4/2024 4:22 PM	0:02	#7 and 8 CO Flare Stack	Upset	Dept 10 gas needs fluctuated and excess off gas caused us to flare on 7/8 and 9	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-061	5/4/2024 4:20 PM	5/4/2024 4:22 PM	0:02	#9 CO Flare Stack	Upset	Dept 10 gas needs fluctuated and excess off gas caused us to flare on 7/8 and 9	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-060	5/5/2024 9:56 AM	5/5/2024 2:39 PM	4:43	#8 Stocking BH	SSM	Maintenance on 8211 Baghouse ductwork and valve	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-059	4/29/2024 8:35 AM	4/29/2024 10:48 AM	2:13	#8 CO Dust BH	SSM	Need to blacklight the baghouse prior to replacing all the bags	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-058	4/29/2024 8:49 AM	5/1/2024 12:03 AM	39:14	#8 Stocking BH	SSM	Replace all bags in dust collector before next round of stack testing	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-056	4/24/2024 8:00 AM	4/24/2024 4:00 PM	8:00	Kiln Hydrosonic Stacks	Upset	Throats on #1 and #2 trains need to be cleaned	Operational parameter (4.7)	No quantities reported for any pollutant
2024-055	4/19/2024 7:00 AM	4/19/2024 3:00 PM	8:00	Scaleroom BH Stack	SSM	We need to take down the scaleroom bag house fan down	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-054	4/18/2024 3:00 PM	4/18/2024 5:00 PM	2:00	#9 THFC Stack	SSM	#9 THFC has a planned repair/PM to be done	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-053	4/17/2024 11:00 AM	4/17/2024 4:00 PM	5:00	Kiln Hydrosonic Stacks	SSM	High DP on #3 fan throats	Operational parameter (4.7)	No quantities reported for any pollutant
2024-052	4/17/2024 9:02 PM	4/17/2024 9:36 PM	0:34	#7 THFC Stack	Upset	E&I checks or repairs to baghouse motors/THFC leaking pipe	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-052	4/16/2024 6:50 AM	4/16/2024 7:19 AM	0:29	#7 THFC Stack	Upset	E&I checks or repairs to baghouse motors/THFC leaking pipe	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-052	4/15/2024 9:36 AM	4/15/2024 2:33 PM	4:57	#7 CO Dust BH	Upset	E&I checks or repairs to baghouse motors/THFC leaking pipe	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-052	4/15/2024 7:00 AM	4/15/2024 7:38 AM	0:38	#9 CO Dust BH	Upset	E&I checks or repairs to baghouse motors/THFC leaking pipe	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-050	4/9/2024 8:00 AM	4/9/2024 1:41 PM	5:41	Scaleroom BH Stack	SSM	Black light testing	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-049	4/8/2024 10:30 AM	4/8/2024 3:00 PM	4:30	#105 BH Stack	SSM	PM bag house	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-048	4/5/2024 8:25 AM	4/5/2024 4:35 PM	8:10	#8 CO Dust BH	SSM	8 CO Black light check	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-046	4/3/2024 4:00 AM	4/3/2024 7:00 AM	3:00	Nodule Cooler Spray Tower Stack	Upset	Cooler tower sprays clenend	Operational parameter (4.8)	No quantities reported for any pollutant
2024-045	4/2/2024 2:54 PM	4/2/2024 2:56 PM	0:02	#7 and 8 CO Flare Stack	Upset	Dept. 10 had a malfunction that caused them to stop taking gas and only one train was running on the TO which caused excess pressure on our flare valves	Permit condition (7.25) flare use	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2024-045	4/2/2024 2:54 PM	4/2/2024 2:56 PM	0:02	#9 CO Flare Stack	Upset	Dept. 10 had a malfunction that caused them to stop taking gas and only one train was running on the TO which caused excess pressure on our flare valves	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-044	3/31/2024 12:00 PM	3/31/2024 10:00 PM	10:00	Kiln Hydrosonic Stacks	Upset	High DP on throats	Operational parameter (4.7)	No quantities reported for any pollutant
2024-043	3/27/2024 4:30 PM	3/27/2024 7:10 PM	2:40	#105 BH Stack	Upset	Electrical malfunction	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-042	3/27/2024 9:55 AM	3/27/2024 11:45 AM	1:50	#105 BH Stack	SSM	PM bag house	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-042	3/27/2024 9:55 AM	3/27/2024 11:45 AM	1:50	#105 BH Stack	SSM	PM bag house	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-041	3/28/2024 8:00 AM	3/28/2024 12:00 PM	4:00	#8 THFC Stack	SSM	Vent #8 furnace to work on pressure control instruments	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-041	3/27/2024 8:09 AM	3/27/2024 8:57 AM	0:48	#8 Vent Stack	SSM	Vent #8 furnace to work on pressure control instruments	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-040	3/22/2024 3:00 AM	3/22/2024 5:00 AM	2:00	#9 THFC Stack	Upset	THFC fan is off, shifter is working on repairing it	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-039	3/19/2024 2:00 PM	3/19/2024 7:00 PM	5:00	Nodule Cooler Spray Tower Stack	Upset	The South tower flow has been alarming, due to low flow. we have #4 deck that is plugged up. Made repairs and brought flow within spec.	Operational parameter (4.8)	No quantities reported for any pollutant
2024-037	3/19/2024 7:00 AM	3/19/2024 1:00 PM	6:00	Coke Handling Baghouse Stack	SSM	Preventive maintenance	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-036	3/18/2024 7:00 AM	3/18/2024 1:30 PM	6:30	Dryer BH Stack	SSM	Scheduled preventive mainenance	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-035	3/18/2024 8:00 AM	3/20/2024 8:00 PM	60:00	Nodule Venturi Stack	SSM	Fan needs water blasted. Water blasted fan and brought back online.	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2024-034	3/12/2024 9:00 AM	3/12/2024 5:00 PM	8:00	#7 THFC Stack	SSM	Need to shut off #7 THFC system to changed the recirc pump that is not keeping up with flow and pressure. Changed recirc pump to meet THFC flow and pressure needs	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-033	3/10/2024 11:00 AM	3/10/2024 3:00 PM	4:00	Nodule Venturi Stack	SSM	We have a plugged line coming off the venturi pump, a short pipe that runs back to the pump tank. We will need to pull a valve and water blast the pipe	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2024-032	3/8/2024 2:00 PM	3/8/2024 8:00 PM	6:00	Nodule Venturi Stack	SSM	We have a leak on the Veanturi elbow door. We will open the door and check to se if we can stop the leak. We made a repaired to the metal on the door frame.	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2024-031	3/6/2024 9:00 AM	3/6/2024 6:00 PM	9:00	Kiln Hydrosonic Stacks	Upset	Oil pump bad	Operational parameter (4.7)	No quantities reported for any pollutant
2024-031	3/5/2024 8:00 AM	3/5/2024 5:00 PM	9:00	Kiln Hydrosonic Stacks	Upset	Oil pump bad	Operational parameter (4.7)	No quantities reported for any pollutant
2024-030	3/4/2024 8:28 PM	3/4/2024 9:15 PM	0:47	#7 Vent Stack	Upset	Lost partial pressure control on #7 when we shut it off to slip. We had to vent to clear the furnace and troubleshoot	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-029	3/2/2024 12:42 PM	3/2/2024 12:43 PM	0:01	#7 and 8 CO Flare Stack	Upset	Power Bump (Weather related)	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-029	3/2/2024 12:42 PM	3/2/2024 12:43 PM	0:01	#9 CO Flare Stack	Upset	Power Bump (Weather related)	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-028	2/27/2024 11:00 AM	2/27/2024 5:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	Demister needs changed	Operational parameter (4.7)	No quantities reported for any pollutant
2024-026	2/19/2024 5:00 AM	2/19/2024 9:00 AM	4:00	Nodule Cooler Spray Tower Stack	Upset	Problems with cooler tower pump	Operational parameter (4.8)	No quantities reported for any pollutant
2024-025	2/22/2024 3:39 PM	2/22/2024 4:46 PM	1:07	#8 CO Dust BH	SSM	Planned maintenance for stacker tie in during which TOX maintenace will also be conducted to clean or change burner tip and wash block valves	Requirement to operate equipment (5.3)	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2024-025	2/22/2024 2:17 PM	2/22/2024 2:36 PM	0:19	#8 CO Dust BH	SSM	Planned maintenance for stacker tie in during which TOX maintenance will also be conducted to clean or change burner tip and wash block valves	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-025	2/20/2024 7:57 AM	2/21/2024 1:30 PM	29:33	#8 Stocking BH	SSM	Planned maintenance for stacker tie in during which TOX maintenance will also be conducted to clean or change burner tip and wash block valves	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-024	2/16/2024 11:00 PM	2/17/2024 2:00 PM	15:00	Nodule Cooler Spray Tower Stack	Upset	South tower cooler tower flow is having trouble staying in range	Operational parameter (4.8)	No quantities reported for any pollutant
2024-024	2/15/2024 12:00 PM	2/15/2024 3:00 PM	3:00	Nodule Cooler Spray Tower Stack	Upset	South tower cooler tower flow is having trouble staying in range	Operational parameter (4.8)	No quantities reported for any pollutant
2024-023	2/16/2024 8:00 PM	2/17/2024 1:00 AM	5:00	Kiln Hydrosonic Stacks	Upset	The Primary oil pump on #2 KE fan failed	Operational parameter (4.7)	No quantities reported for any pollutant
2024-023	2/16/2024 8:00 AM	2/16/2024 2:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	The Primary oil pump on #2 KE fan failed	Operational parameter (4.7)	No quantities reported for any pollutant
2024-022	2/15/2024 7:09 AM	2/15/2024 1:17 PM	6:08	#7 CO Dust BH	SSM	7200 CO Baghouse fan scheduled bearing replacement	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-021	2/14/2024 6:00 AM	2/15/2024 4:00 PM	34:00	#104 BH Stack	SSM	PM and inspect	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-020	2/15/2024 11:00 PM	2/16/2024 5:00 AM	6:00	Kiln Hydrosonic Stacks	SSM	Work to be done on #3 train kiln emissions - see comments	Operational parameter (4.7)	No quantities reported for any pollutant
2024-020	2/14/2024 10:00 AM	2/16/2024 2:00 AM	40:00	Kiln Hydrosonic Stacks	SSM	Work to be done on #3 train kiln emissions - see comments	Operational parameter (4.7)	No quantities reported for any pollutant
2024-020	2/12/2024 3:00 PM	2/12/2024 6:00 PM	3:00	Kiln Hydrosonic Stacks	SSM	Work to be done on #3 train kiln emissions - see comments	Operational parameter (4.7)	No quantities reported for any pollutant
2024-019	2/13/2024 7:16 AM	2/13/2024 3:06 PM	7:50	#8 CO Baghouse Bypass Stk	SSM	Need to black light 8201 baghouse	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-018	2/8/2024 1:00 AM	2/8/2024 2:00 AM	1:00	Nodule Cooler Spray Tower Stack	SSM	South cooler spray tower low flow	Operational parameter (4.8)	No quantities reported for any pollutant
2024-018	2/6/2024 4:00 PM	2/6/2024 8:00 PM	4:00	Nodule Cooler Spray Tower Stack	SSM	South cooler spray tower low flow	Operational parameter (4.8)	No quantities reported for any pollutant
2024-017	2/7/2024 1:25 PM	2/10/2024 12:42 AM	59:17	#7 Vent Stack	SSM	Vent #7 furnace so we can wash the treater	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-016	2/5/2024 11:00 AM	2/5/2024 5:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	Change demister #1 train	Operational parameter (4.7)	No quantities reported for any pollutant
2024-015	2/7/2024 11:19 AM	2/7/2024 1:05 PM	1:46	#9 Vent Stack	SSM	High Ph on 9 off gas system, venting to pull the explosion seal bell and inspect it for distortion, cracked welds, or corrosion that is allowing air into system	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2024-015	2/6/2024 3:27 AM	2/6/2024 4:55 AM	1:28	#9 Vent Stack	SSM	High Ph on 9 off gas system, venting to pull the explosion seal bell and inspect it for distortion, cracked welds, or corrosion that is allowing air into system	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2024-014	2/2/2024 7:26 AM	2/2/2024 7:28 AM	0:02	#7 and 8 CO Flare Stack	Upset	TO flame went out and we flared furnaces	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-014	2/2/2024 7:26 AM	2/2/2024 7:28 AM	0:02	#9 CO Flare Stack	Upset	TO flame went out and we flared furnaces	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-013	2/1/2024 11:00 AM	2/2/2024 7:00 AM	20:00	Nodule Venturi Stack	Upset	We have a Venturi Pump problem, We need to run reclaim without Venturi fan	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2024-012	1/28/2024 9:00 AM	1/28/2024 7:00 PM	10:00	Nodule Venturi Stack	Upset	Plugage in the line return line low flow	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2024-011	1/24/2024 11:15 AM	1/24/2024 11:16 AM	0:01	#7 and 8 CO Flare Stack	Upset	Flared on 7/8 and 9 because of operational issues with the kiln	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-011	1/24/2024 11:15 AM	1/24/2024 11:16 AM	0:01	#9 CO Flare Stack	Upset	Flared on 7/8 and 9 because of operational issues with the kiln	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-010	1/23/2024 5:00 PM	1/23/2024 7:00 PM	2:00	#8 THFC Stack	Upset	Leaking packing on #8 THFC recip pump	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-009	1/20/2024 11:00 AM	1/20/2024 6:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	Throats and sprays need cleaned	Operational parameter (4.7)	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2024-008	1/16/2024 11:00 PM	1/23/2024 9:15 AM	154:15	#9 CO Dust BH	Upset	Burst explosion seal port	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-007	1/17/2024 7:30 AM	1/27/2024 6:00 PM	250:30	Nodule Reclaim BH	SSM	To check the bags PM inspection	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2024-006	1/15/2024 11:00 PM	1/16/2024 3:00 AM	4:00	#9 THFC Stack	Upset	9 THFC Fan lost power	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-005	1/11/2024 5:41 PM	1/11/2024 5:44 PM	0:03	#9 CO Flare Stack	Upset	Downcomer tripped at the Kiln and could not take gas. The T.O was only running on 1 scrubber at the time.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-005	1/10/2024 12:28 AM	1/10/2024 12:29 AM	0:01	#7 and 8 CO Flare Stack	Upset	Downcomer tripped at the Kiln and could not take gas. The T.O was only running on 1 scrubber at the time.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-005	1/10/2024 12:28 AM	1/10/2024 12:29 AM	0:01	#9 CO Flare Stack	Upset	Downcomer tripped at the Kiln and could not take gas. The T.O was only running on 1 scrubber at the time.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-005	1/10/2024 12:24 AM	1/10/2024 12:26 AM	0:02	#7 and 8 CO Flare Stack	Upset	Downcomer tripped at the Kiln and could not take gas. The T.O was only running on 1 scrubber at the time.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-005	1/10/2024 12:24 AM	1/10/2024 12:26 AM	0:02	#9 CO Flare Stack	Upset	Downcomer tripped at the Kiln and could not take gas. The T.O was only running on 1 scrubber at the time.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-005	1/10/2024 12:11 AM	1/10/2024 12:15 AM	0:04	#7 and 8 CO Flare Stack	Upset	Downcomer tripped at the Kiln and could not take gas. The T.O was only running on 1 scrubber at the time.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-005	1/10/2024 12:11 AM	1/10/2024 12:15 AM	0:04	#9 CO Flare Stack	Upset	Downcomer tripped at the Kiln and could not take gas. The T.O was only running on 1 scrubber at the time.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2024-004	1/8/2024 3:00 PM	1/8/2024 10:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	We had two different kiln emission trains that had dirty demisters	Operational parameter (4.7)	No quantities reported for any pollutant
2024-003	1/7/2024 10:10 PM	1/7/2024 10:50 PM	0:40	#9 Vent Stack	SSM	Having pressure control issues on 9 furnace, have to shut down and vent furnace to repair	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2024-002	1/8/2024 8:00 AM	1/10/2024 11:00 PM	63:00	Nodule Venturi Stack	SSM	Fan vibration	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2024-001	1/4/2024 9:51 AM	1/4/2024 1:00 PM	3:09	Dryer BH Stack	SSM	Dryer bag house is lightly dusting	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-203	12/28/2023 10:14 AM	12/28/2023 11:45 AM	1:31	#104 BH Stack	SSM	Scheduled maintenance, black light	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-202	12/20/2023 10:00 AM	12/20/2023 12:00 PM	2:00	Nodule Cooler Spray Tower Stack	Upset	Flow on cooler spray tower stack briefly dipped below limit.	Operational parameter (4.8)	No quantities reported for any pollutant
2023-201	12/19/2023 10:00 AM	12/19/2023 7:00 PM	9:00	Kiln Hydrosonic Stacks	Upset	The #2 demister housing is plugging up at the bottom drain	Operational parameter (4.7)	No quantities reported for any pollutant
2023-200	12/15/2023 11:00 AM	12/15/2023 5:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	#1 demister needs changed	Operational parameter (4.7)	No quantities reported for any pollutant
2023-199	12/13/2023 1:00 PM	12/15/2023 6:00 AM	41:00	Kiln Hydrosonic Stacks	Upset	High vibrations on #2 kiln emission fan	Operational parameter (4.7)	No quantities reported for any pollutant
2023-198	12/12/2023 8:00 AM	12/12/2023 7:00 PM	11:00	#7 THFC Stack	SSM	THFC fan has high vibrations, we need to shut it down to water blast and balance the fan	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-197	12/11/2023 8:00 AM	12/11/2023 7:00 PM	11:00	Kiln Hydrosonic Stacks	Upset	We are having vibration and Dp trouble on are KE systems	Operational parameter (4.7)	No quantities reported for any pollutant
2023-194	12/13/2023 7:00 AM	12/13/2023 3:00 PM	8:00	Scaleroom BH Stack	SSM	The 307 bag house is having a PM on 12/13/23	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-194	12/12/2023 7:00 AM	12/12/2023 3:00 PM	8:00	#105 BH Stack	SSM	301 Bag house is having a PM done on the 12/12/23	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-194	12/12/2023 7:00 AM	12/12/2023 11:00 PM	16:00	Nodule Cooler Spray Tower Stack	SSM	Pm today on the tower spray lances	Operational parameter (4.8)	No quantities reported for any pollutant
2023-192	12/7/2023 7:06 AM	12/7/2023 7:07 AM	0:01	#7 and 8 CO Flare Stack	Upset	Dept. 10 pulled feed and the Thermal Oxidizer would not take CO gas due to problems with 1850 pump and auxiliary fan	Permit condition (7.25) flare use	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2023-192	12/7/2023 6:55 AM	12/7/2023 6:56 AM	0:01	#7 and 8 CO Flare Stack	Upset	Dept. 10 pulled feed and the Thermal Oxidizer would not take CO gas due to problems with 1850 pump and auxiliary fan	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-192	12/7/2023 6:22 AM	12/7/2023 6:27 AM	0:05	#7 and 8 CO Flare Stack	Upset	Dept. 10 pulled feed and the Thermal Oxidizer would not take CO gas due to problems with 1850 pump and auxiliary fan	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-191	12/3/2023 3:00 PM	12/4/2023 2:00 PM	23:00	Nodule Cooler Spray Tower Stack	Upset	The flow is restricted on the cooler spray tower pump	Operational parameter (4.8)	No quantities reported for any pollutant
2023-190	12/1/2023 6:00 PM	12/1/2023 8:00 PM	2:00	#7 THFC Stack	Upset	Low flow on pump output	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-189	11/30/2023 11:00 PM	12/1/2023 4:00 AM	5:00	Kiln Hydrosonic Stacks	SSM	Demister needs to be changed	Operational parameter (4.7)	No quantities reported for any pollutant
2023-188	11/28/2023 12:00 PM	11/28/2023 10:00 PM	10:00	Kiln Hydrosonic Stacks	SSM	Took #3 fan down to replace the recycle butterfly valve	Operational parameter (4.7)	No quantities reported for any pollutant
2023-187	11/28/2023 12:00 PM	11/28/2023 2:00 PM	2:00	#7 THFC Stack	Upset	Repairing leaks on strainer loop. Low flow condition when one side of the strainer loop was isolated.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-186	11/28/2023 9:45 AM	11/28/2023 11:30 AM	1:45	#105 BH Stack	SSM	105 baghouse being taken down for repairs	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-185	11/24/2023 7:54 AM	11/24/2023 7:58 AM	0:04	#7 and 8 CO Flare Stack	Upset	Kiln kicked off causing 7/8 flare to overpressure. TO was down for a shutdown, and was not able to take CO	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-184	11/19/2023 1:00 PM	11/19/2023 4:00 PM	3:00	Nodule Cooler Spray Tower Stack	SSM	We had the flow drop off on the south cooler tower due to cleaning spray lances	Operational parameter (4.8)	No quantities reported for any pollutant
2023-183	11/20/2023 8:00 AM	11/20/2023 2:34 PM	6:34	Coke Handling Baghouse Stack	SSM	Black light and inspect baghouse	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-182	11/13/2023 7:17 AM	11/15/2023 12:59 PM	53:42	#8 CO Baghouse Bypass Stk	Upset	8211 baghouse went down due to a electrical tie-in	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-181	11/13/2023 9:30 PM	11/14/2023 9:26 AM	11:56	#8 Vent Stack	Upset	Leaking 8-2 Nash Seal, vent furnace to make repairs	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-180	11/10/2023 12:00 PM	11/10/2023 5:00 PM	5:00	Kiln Hydrosonic Stacks	Upset	High dp on #1 train outlet demister	Operational parameter (4.7)	No quantities reported for any pollutant
2023-179	11/4/2023 1:00 PM	11/4/2023 7:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	KILN 502 PH BELOW 6.1 after kiln had been shut down for a couple days and was brought back online	Operational parameter (4.6)	No quantities reported for any pollutant
2023-178	11/2/2023 6:00 PM	11/3/2023 2:11 AM	8:11	Kiln Hydrosonic Stacks	SSM	Need to clean throats and sprays on all the KE trains	Operational parameter (4.7)	No quantities reported for any pollutant
2023-178	11/1/2023 3:00 PM	11/2/2023 2:00 AM	11:00	Kiln Hydrosonic Stacks	SSM	Need to clean throats and sprays on all the KE trains	Operational parameter (4.7)	No quantities reported for any pollutant
2023-177	10/31/2023 11:36 AM	11/2/2023 11:36 AM	48:00	#9 Vent Stack	SSM	9 Furnace and TO Nov. 2023 maintenance shutdown	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-176	10/28/2023 12:30 PM	10/28/2023 2:00 PM	1:30	Kiln Hydrosonic Stacks	SSM	High dp on #1 fan and making repairs to leaking flange on Gore module doors on #4 train	Operational parameter (4.7)	No quantities reported for any pollutant
2023-176	10/26/2023 12:00 PM	10/27/2023 1:00 AM	13:00	Kiln Hydrosonic Stacks	SSM	High dp on #1 fan and making repairs to leaking flange on Gore module doors on #4 train	Operational parameter (4.7)	No quantities reported for any pollutant
2023-175	10/26/2023 9:41 AM	10/26/2023 9:42 AM	0:01	#7 and 8 CO Flare Stack	Upset	Deptment 10 needed to do some fan work, they notified us and we started the C train along with the A train already running. Flared on 7/8 and 9 when TO overpressured when tricentrics closed.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-175	10/26/2023 9:41 AM	10/26/2023 9:42 AM	0:01	#9 CO Flare Stack	Upset	Deptment 10 needed to do some fan work, they notified us and we started the C train along with the A train already running. Flared on 7/8 and 9 when TO overpressured when tricentrics closed.	Permit condition (7.25) flare use	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2023-174	10/23/2023 10:00 AM	10/25/2023 10:00 PM	60:00	Kiln Hydrosonic Stacks	SSM	Scheduled maintenance on #2 stack	Operational parameter (4.7)	No quantities reported for any pollutant
2023-172	10/22/2023 2:00 PM	10/22/2023 4:00 PM	2:00	Kiln Hydrosonic Stacks	Upset	High DP on venturi 3 and 4	Operational parameter (4.7)	No quantities reported for any pollutant
2023-171	10/17/2023 11:00 AM	10/19/2023 6:00 PM	55:00	Kiln Hydrosonic Stacks	SSM	Repair work on duct	Operational parameter (4.7)	No quantities reported for any pollutant
2023-170	10/17/2023 9:00 AM	10/19/2023 12:45 PM	51:45	Kiln Hydrosonic Stacks	SSM	Scheduled maintenance on #1 stack	Operational parameter (4.7)	No quantities reported for any pollutant
2023-169	10/16/2023 3:00 PM	10/16/2023 6:00 PM	3:00	#9 THFC Stack	SSM	Oil leak #9 THFC fan side bearing seal	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-167	10/13/2023 5:04 AM	10/13/2023 7:58 AM	2:54	#7 Vent Stack	Upset	MCC electrical issues, Spray Tower Water Pump tripping	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-166	10/12/2023 6:00 PM	10/13/2023 4:25 AM	10:25	#7 THFC Stack	Upset	Return line plugged, ran tank out of oil, forced pump to stop and shutdown #7 THFC	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-165	10/10/2023 1:00 PM	10/10/2023 6:00 PM	5:00	Kiln Hydrosonic Stacks	Upset	#1 demister repair	Operational parameter (4.7)	No quantities reported for any pollutant
2023-164	10/11/2023 9:20 AM	10/13/2023 8:02 PM	58:42	Kiln Hydrosonic Stacks	SSM	#3 Stack connection flange replacement	Operational parameter (4.7)	No quantities reported for any pollutant
2023-163	10/11/2023 10:15 AM	10/11/2023 12:45 PM	2:30	#8 CO Dust BH	Upset	Shut off to blacklight 8201 CO dust baghouse	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-162	10/11/2023 9:00 AM	10/11/2023 9:45 AM	0:45	SDM Vent Stack	SSM	Scheduled blacklight inspection	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-161	10/10/2023 10:00 AM	10/12/2023 10:30 AM	48:30	#104 BH Stack	SSM	Baghouse checks	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-159	10/9/2023 12:00 PM	10/09/2023 4:00 PM	4:00	Kiln Hydrosonic Stacks	Upset	Change demister on train 1 and 2	Operational parameter (4.7)	No quantities reported for any pollutant
2023-159	10/8/2023 1:00 PM	10/8/2023 7:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	Change demister on train 1 and 2	Operational parameter (4.7)	No quantities reported for any pollutant
2023-159	10/7/2023 8:00 PM	10/08/2023 2:00 AM	6:00	Kiln Hydrosonic Stacks	Upset	Change demister on train 1 and 2	Operational parameter (4.7)	No quantities reported for any pollutant
2023-158	10/5/2023 11:00 AM	10/5/2023 1:00 PM	2:00	#7 THFC Stack	SSM	Oil pump water contamination	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-157	10/2/2023 11:00 AM	10/2/2023 7:00 PM	8:00	Kiln Hydrosonic Stacks	SSM	DP out of specs	Operational parameter (4.7)	No quantities reported for any pollutant
2023-156	10/2/2023 6:24 AM	10/2/2023 12:14 PM	5:50	#7 THFC Stack	SSM	Leaking screw nitrogen seal	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-156	10/2/2023 6:19 AM	10/2/2023 11:53 AM	5:34	#7 Vent Stack	SSM	Leaking screw nitrogen seal	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-155	9/26/2023 11:00 AM	9/27/2023 10:00 PM	35:00	Kiln Hydrosonic Stacks	SSM	#1 train and fan repair	Operational parameter (4.7)	No quantities reported for any pollutant
2023-154	9/28/2023 8:00 AM	9/28/2023 4:00 PM	8:00	Nodule Reclaim BH	SSM	Maintenance to black light baghouse and inspect fan bearings	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-153	9/25/2023 11:00 AM	9/25/2023 6:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	#2 demister is dirty	Operational parameter (4.7)	No quantities reported for any pollutant
2023-152	9/24/2023 1:45 PM	9/24/2023 1:52 PM	0:07	#9 CO Baghouse Bypass Stack	Upset	9211 and 9201 baghouse tripping off	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-152	9/24/2023 10:00 AM	9/24/2023 2:11 PM	4:11	#9 Stocking BH	Upset	9211 and 9201 baghouse tripping off	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-151	9/23/2023 12:51 AM	9/23/2023 1:38 AM	0:47	#7 Vent Stack	Upset	Lost power to water pumps, lost pressure control for furnace	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-150	9/21/2023 9:18 AM	9/21/2023 12:53 PM	3:35	#7 Vent Stack	Upset	Broken plant compressed air valve	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-150	9/21/2023 9:09 AM	9/21/2023 3:36 PM	6:27	#8 Vent Stack	Upset	Broken plant compressed air valve	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-150	9/21/2023 9:00 AM	9/21/2023 4:48 PM	7:48	#9 Vent Stack	Upset	Broken plant compressed air valve	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-149	9/21/2023 9:15 AM	9/21/2023 2:17 PM	5:02	#8 THFC Stack	SSM	Need to lock out recirculation pump	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-148	9/20/2023 3:00 PM	9/20/2023 10:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	Lime/soda ash, pH	Operational parameter (4.6)	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2023-148	9/14/2023 3:00 PM	9/15/2023 9:00 AM	18:00	Kiln Hydrosonic Stacks	Upset	Lime/soda ash, pH	Operational parameter (4.6)	No quantities reported for any pollutant
2023-147	9/17/2023 6:10 AM	9/22/2023 11:55 AM	125:45	Nodule Venturi Stack	Upset	Venturi DP build up	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2023-146	9/7/2023 2:00 PM	9/7/2023 8:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	High DP reading	Operational parameter (4.7)	No quantities reported for any pollutant
2023-145	8/31/2023 3:48 AM	8/31/2023 8:31 AM	4:43	#7 Vent Stack	SSM	Maintenance to replace nitrogen seals	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-144	8/29/2023 12:00 PM	8/29/2023 5:00 PM	5:00	Kiln Hydrosonic Stacks	SSM	#1 demister change due to DP alarm	Operational parameter (4.7)	No quantities reported for any pollutant
2023-143	8/22/2023 7:00 AM	8/25/2023 2:30 PM	79:30	#8 CO Dust BH	Upset	With #8 furnace off for shutdown we took off the 8211 Stocking bag house to do	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-142	8/24/2023 9:00 AM	8/24/2023 3:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	#1 and #2 demisters had to be changed out due to DP alarms	Operational parameter (4.7)	No quantities reported for any pollutant
2023-141	8/19/2023 1:43 PM	8/19/2023 1:47 PM	0:04	#7 CO Flare Stack	Upset	Took #9 FCE off to build and flared stacks 7, 8, 9	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-141	8/19/2023 1:43 PM	8/19/2023 1:47 PM	0:04	#8 CO Flare Stack	Upset	Took #9 FCE off to build and flared stacks 7, 8, 9	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-141	8/19/2023 1:43 PM	8/19/2023 1:47 PM	0:04	#9 CO Flare Stack	Upset	Took #9 FCE off to build and flared stacks 7, 8, 9	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-140	8/17/2023 9:00 PM	8/18/2023 6:00 AM	9:00	Kiln Hydrosonic Stacks	SSM	High DP on #1 demister	Operational parameter (4.7)	No quantities reported for any pollutant
2023-139	8/15/2023 8:08 AM	8/15/2023 8:09 AM	0:01	#7 and 8 CO Flare Stack	Upset	Back pressure from department 10 caused 7/8 CO Flare valve to open	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-138	8/16/2023 7:00 AM	8/16/2023 10:00 AM	3:00	Scaleroom BH Stack	SSM	Scheduled maintenance	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-137	8/15/2023 6:30 AM	8/15/2023 2:00 PM	7:30	#105 BH Stack	SSM	Scheduled maintenance	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-136	8/13/2023 10:45 PM	8/13/2023 10:46 PM	0:01	#7 and 8 CO Flare Stack	Upset	After doing maintenance on #9 furnace with down time through the day, bringing furnace back on we had a pressure which caused us to flare for a few seconds.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-136	8/9/2023 3:28 PM	8/9/2023 3:29 PM	0:01	#9 CO Flare Stack	Upset	After doing maintenance on #9 furnace with down time through the day, bringing furnace back on we had a pressure which caused us to flare for a few seconds.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-135	8/9/2023 6:06 AM	8/9/2023 1:02 PM	6:56	#9 CO Dust BH	Upset	Broke a turn buckle on the 2 phase #9 furnace had to shut furnace down. While down we shut the 9201 baghouse down to reduce suction on the furnace	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-134	8/8/2023 2:30 AM	8/8/2023 11:00 PM	20:30	#7 CO Dust BH	Upset	Wet VFD from the rain	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-133	8/5/2023 1:00 PM	8/7/2023 3:00 PM	50:00	Nodule Venturi Stack	Upset	Low flow due to plugged pipe on the venturi	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2023-133	8/3/2023 2:00 PM	8/4/2023 3:00 AM	13:00	Nodule Venturi Stack	Upset	Low flow due to plugged pipe on the venturi	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2023-132	8/5/2023 2:25 AM	8/5/2023 7:03 AM	4:38	#7 Vent Stack	Upset	Natural gas leak on main line next to Hwy 34, caused us to lose plant natural gas when they shut off the supply. This tripped the Thermal Oxidizer off causing us to flare #7 and #9 furnaces.	20% opacity limit (IDAPA § 625); Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-132	8/4/2023 11:30 PM	8/4/2023 11:31 PM	0:01	#7 and 8 CO Flare Stack	Upset	Natural gas leak on main line next to Hwy 34, caused us to lose plant natural gas when they shut off the supply. This tripped the Thermal Oxidizer off causing us to flare #7 and #9 furnaces.	20% opacity limit (IDAPA § 625); Permit condition (7.25) flare use	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2023-132	8/4/2023 11:30 PM	8/5/2023 1:40 AM	2:10	#7 Vent Stack	Upset	Natural gas leak on main line next to Hwy 34, caused us to lose plant natural gas when they shut off the supply. This tripped the Thermal Oxidizer off causing us to flare #7 and #9 furnaces.	20% opacity limit (IDAPA § 625); Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-132	8/3/2023 7:11 PM	8/5/2023 11:57 AM	40:46	#9 Vent Stack	Upset	Natural gas leak on main line next to Hwy 34, caused us to lose plant natural gas when they shut off the supply. This tripped the Thermal Oxidizer off causing us to flare #7 and #9 furnaces.	20% opacity limit (IDAPA § 625); Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-132	8/3/2023 7:07 PM	8/4/2023 10:40 PM	27:33	#7 Vent Stack	Upset	Natural gas leak on main line next to Hwy 34, caused us to lose plant natural gas when they shut off the supply. This tripped the Thermal Oxidizer off causing us to flare #7 and #9 furnaces.	20% opacity limit (IDAPA § 625); Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-132	8/3/2023 7:04 PM	8/3/2023 7:07 PM	0:03	#7 and 8 CO Flare Stack	Upset	Natural gas leak on main line next to Hwy 34, caused us to lose plant natural gas when they shut off the supply. This tripped the Thermal Oxidizer off causing us to flare #7 and #9 furnaces.	20% opacity limit (IDAPA § 625); Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-132	8/3/2023 7:04 PM	8/3/2023 7:11 PM	0:07	#9 CO Flare Stack	Upset	Natural gas leak on main line next to Hwy 34, caused us to lose plant natural gas when they shut off the supply. This tripped the Thermal Oxidizer off causing us to flare #7 and #9 furnaces.	20% opacity limit (IDAPA § 625); Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-130	8/1/2023 8:15 PM	8/1/2023 8:16 PM	0:01	#7 and 8 CO Flare Stack	Upset	Undetermined flare currently troubleshooting we also started having issues with our number 2 Nash shortly after	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-130	8/1/2023 8:15 PM	8/1/2023 8:16 PM	0:01	#9 CO Flare Stack	Upset	Undetermined flare currently troubleshooting we also started having issues with our number 2 Nash shortly after	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-130	8/1/2023 5:29 PM	8/1/2023 5:30 PM	0:01	#9 CO Flare Stack	Upset	Undetermined flare currently troubleshooting we also started having issues with our number 2 Nash shortly after	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-129	8/1/2023 9:00 AM	8/1/2023 5:00 PM	8:00	#7 THFC Stack	Upset	#7 THFC recirculation pump is bad	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-125	7/29/2023 3:07 PM	7/29/2023 3:51 PM	0:44	#9 THFC Stack	SSM	703 and 770 screws, nitrogen seals have failed and need to be replaced	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-128	7/27/2023 4:43 PM	7/27/2023 4:45 PM	0:02	#7 and 8 CO Flare Stack	Upset	Water blasting NASH drain line on 9-3. Back ressure issue forced us to vent #9 and this event caused us to flare on 7/8 flare valve also	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-128	7/27/2023 4:43 PM	7/27/2023 4:45 PM	0:02	#9 CO Flare Stack	Upset	Water blasting NASH drain line on 9-3. Back ressure issue forced us to vent #9 and this event caused us to flare on 7/8 flare valve also	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-128	7/27/2023 1:48 AM	7/27/2023 1:50 AM	0:02	#7 and 8 CO Flare Stack	Upset	Water blasting NASH drain line on 9-3. Back ressure issue forced us to vent #9 and this event caused us to flare on 7/8 flare valve also	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-128	7/27/2023 1:39 AM	7/27/2023 10:27 PM	20:48	#9 Vent Stack	Upset	Water blasting NASH drain line on 9-3. Back ressure issue forced us to vent #9 and this event caused us to flare on 7/8 flare valve also	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-128	7/26/2023 10:35 PM	7/26/2023 10:36 PM	0:01	#7 and 8 CO Flare Stack	Upset	Water blasting NASH drain line on 9-3. Back ressure issue forced us to vent #9 and this event caused us to flare on 7/8 flare valve also	Permit condition (7.25) flare use	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2023-128	7/26/2023 10:28 PM	7/26/2023 10:54 PM	0:26	#9 Vent Stack	Upset	Water blasting NASH drain line on 9-3. Back ressure issue forced us to vent #9 and this event caused us to flare on 7/8 flare valve also	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-128	7/26/2023 7:11 PM	7/26/2023 7:12 PM	0:01	#7 and 8 CO Flare Stack	Upset	Water blasting NASH drain line on 9-3. Back ressure issue forced us to vent #9 and this event caused us to flare on 7/8 flare valve also	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-127	7/24/2023 8:03 PM	7/24/2023 8:04 PM	0:01	#7 and 8 CO Flare Stack	Upset	Had a power bump during a thunderstorm that caused 7&8 and 9 flare valves to open for one minuites	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-127	7/24/2023 8:03 PM	7/24/2023 8:04 PM	0:01	#9 CO Flare Stack	Upset	Had a power bump during a thunderstorm that caused 7&8 and 9 flare valves to open for one minuites	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-126	7/20/2023 12:25 PM	7/20/2023 12:27 PM	0:02	#7 and 8 CO Flare Stack	Upset	Furance pressure issues tripped the TO and caused the furnaces to flare	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-126	7/20/2023 12:25 PM	7/20/2023 12:27 PM	0:02	#9 CO Flare Stack	Upset	Furance pressure issues tripped the TO and caused the furnaces to flare	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-125	7/19/2023 7:36 AM	7/19/2023 10:55 AM	3:19	#9 Vent Stack	SSM	703 and 770 screws, nitrogen seals have failed and need to be replaced	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-117	7/4/2023 1:00 PM	7/4/2023 4:00 PM	3:00	Kiln Hydrosonic Stacks	Upset	Demister was changed	Operational parameter (4.7)	No quantities reported for any pollutant
2023-117	7/3/2023 11:00 AM	7/3/2023 4:00 PM	5:00	Kiln Hydrosonic Stacks	Upset	Demister was changed	Operational parameter (4.7)	No quantities reported for any pollutant
2023-116	6/28/2023 7:18 PM	6/30/2023 7:18 PM	48:00	#8 Vent Stack	SSM	Shut off and vent #8 Furnace and treater wash to prevent corrosion	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-115	6/28/2023 9:00 AM	6/28/2023 4:00 PM	7:00	Kiln Hydrosonic Stacks	SSM	Dirty demister on #4 train	Operational parameter (4.7)	No quantities reported for any pollutant
2023-115	6/27/2023 12:00 AM	6/27/2023 2:00 AM	2:00	Kiln Hydrosonic Stacks	SSM	Dirty demister on #4 train	Operational parameter (4.7)	No quantities reported for any pollutant
2023-114	6/27/2023 8:00 AM	6/27/2023 9:00 AM	1:00	#104 BH Stack	SSM	104 baghouse needs maintenance work done	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-113	6/28/2023 8:26 AM	6/28/2023 4:20 PM	7:54	#8 CO Baghouse Bypass Stack	SSM	Black lighting 8200 CO dust baghouse, run out the bypass stack	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-112	6/24/2023 10:00 PM	6/25/2023 3:00 AM	5:00	Kiln Hydrosonic Stacks	SSM	High DP readings, changed demisters	Operational parameter (4.7)	No quantities reported for any pollutant
2023-111	6/24/2023 12:00 AM	6/24/2023 9:00 AM	9:00	Kiln Hydrosonic Stacks	SSM	High DP readings, changed demisters	Operational parameter (4.7)	No quantities reported for any pollutant
2023-111	6/23/2023 9:00 PM	6/23/2023 10:00 PM	1:00	Kiln Hydrosonic Stacks	SSM	High DP readings, changed demisters	Operational parameter (4.7)	No quantities reported for any pollutant
2023-110	6/20/2023 12:30 AM	6/20/2023 12:31 AM	0:01	#7 and 8 CO Flare Stack	Upset	Planned repair to high tension ppower line to the south end. We will need to vent all 3 furnaces for this repair. Cool the T.O. and use auxilliary generators for cooling systems	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-110	6/19/2023 10:57 PM	6/21/2023 1:50 PM	38:53	#8 Vent Stack	Upset	Planned repair to high tension ppower line to the south end. We will need to vent all 3 furnaces for this repair. Cool the T.O. and use auxilliary generators for cooling systems	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-110	6/19/2023 10:30 PM	6/21/2023 1:30 PM	39:00	#7 Vent Stack	Upset	Planned repair to high tension ppower line to the south end. We will need to vent all 3 furnaces for this repair. Cool the T.O. and use auxilliary generators for cooling systems	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-110	6/19/2023 10:20 PM	6/21/2023 3:02 PM	40:42	#9 Vent Stack	Upset	Planned repair to high tension ppower line to the south end. We will need to vent all 3 furnaces for this repair. Cool the T.O. and use auxilliary generators for cooling systems	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-109	6/15/2023 11:00 PM	6/17/2023 11:00 PM	48:00	Nodule Venturi Stack	Upset	Venturi pump will not run, replaced pump	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2023-107	6/18/2023 9:30 AM	6/22/2023 7:00 PM	105:30	Nodule Reclaim BH	SSM	Bad Bags in Baghouse	Requirement to operate equipment (5.3)	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2023-106	6/13/2023 9:27 PM	6/13/2023 11:28 PM	2:01	Thermal Oxidizer Stacks	Upset	T.O. oil system control failure	Operational parameter (7.24)	No quantities reported for any pollutant
2023-105	6/13/2023 7:00 PM	6/15/2023 12:00 AM	29:00	Kiln Hydrosonic Stacks	SSM	Water blasting #1 fan for prep for shutdown	Operational parameter (4.7)	No quantities reported for any pollutant
2023-104	6/11/2023 7:00 PM	6/13/2023 6:00 PM	47:00	Kiln Hydrosonic Stacks	SSM	Preparation for the kiln shutdown cleaning fans	Operational parameter (4.7)	No quantities reported for any pollutant
2023-103	6/12/2023 7:31 AM	6/12/2023 3:17 PM	7:46	#9 Vent Stack	SSM	Scheduled maintenance to replace 703 nitrogen seal	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-102	6/6/2023 2:00 AM	6/10/2023 3:01 AM	97:01	Kiln Hydrosonic Stacks	SSM	Water blasting #4 fan in preparation for the kiln shut down in July	Operational parameter (4.7)	No quantities reported for any pollutant
2023-101	6/5/2023 12:00 PM	6/5/2023 8:00 PM	8:00	Kiln Hydrosonic Stacks	SSM	DP on #1 and #2 outlet demisters are out of range and need to be changed out	Operational parameter (4.7)	No quantities reported for any pollutant
2023-100	6/5/2023 9:07 AM	6/5/2023 3:10 PM	6:03	#7 Vent Stack	SSM	7-2 NASH needs repair/replaced and #7 FCE will need to be vented for this	20% opacity limit (IDAPA § 625)	No quantities reported for any pollutant
2023-099	6/3/2023 10:30 AM	6/5/2023 11:59 PM	61:29	Kiln Hydrosonic Stacks	SSM	High Dp on #4 throat	Operational parameter (4.7)	No quantities reported for any pollutant
2023-098	6/1/2023 6:35 PM	6/1/2023 8:07 PM	1:32	7 FCE Vent Stack	Upset	Durring 7 FCE Furnace pressure rose outside limit	20% opacity limit (IDAPA § 625)	No quantities reported for any pollutant
2023-097	6/1/2023 11:00 AM	6/1/2023 6:00 PM	7:00	Kiln Hydrosonic Stacks	SSM	High dp readings on 1 and 3 demisters	Operational parameter (4.7)	No quantities reported for any pollutant
2023-096	5/31/2023 1:40 PM	5/31/2023 5:03 PM	3:23	#8 CO Dust BH	SSM	Routine maintenance	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-094	5/28/2023 11:00 AM	5/28/2023 7:00 PM	8:00	Kiln Hydrosonic Stacks	SSM	DP on outlet demisters are out of range and need to be changed out #1, 2, 3 outlet demisters	Operational parameter (4.7)	No quantities reported for any pollutant
2023-094	5/26/2023 8:00 PM	5/27/2023 3:00 AM	7:00	Kiln Hydrosonic Stacks	SSM	DP on outlet demisters are out of range and need to be changed out #1, 2, 3 outlet demisters	Operational parameter (4.7)	No quantities reported for any pollutant
2023-093	5/27/2023 9:21 AM	5/27/2023 1:43 PM	4:22	#9 Vent Stack	SSM	Scheduled maintenance to replace 703 seal	20% opacity limit (IDAPA § 625)	No quantities reported for any pollutant
2023-091	5/29/2023 6:00 AM	6/1/2023 3:00 AM	69:00	#8 Stocking BH	SSM	Scheduled maintenance replace bags on 8211	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-089	5/18/2023 12:01 AM	6/15/2023 10:00 AM	681:59	Nodule Reclaim BH	Upset	Baghouse needs new filters	20% opacity limit (IDAPA § 625)	Opacity was discovered co
2023-088	5/15/2023 6:00 AM	5/25/2023 7:50 AM	241:50	Scaleroom BH Stack	SSM	PM	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-087	5/15/2023 11:00 AM	5/15/2023 8:00 PM	9:00	Kiln Hydrosonic Stacks	Upset	Kiln came back up from shutdown and SO2 had some issues. #3 had some pressure problems	Operational parameter (4.6)	No quantities reported for any pollutant
2023-087	5/9/2023 12:00 AM	5/9/2023 1:00 PM	13:00	Kiln Hydrosonic Stacks	Upset	Kiln came back up from shutdown and SO2 had some issues. #3 had some pressure problems	Operational parameter (4.6)	No quantities reported for any pollutant
2023-086	5/8/2023 6:00 AM	5/17/2023 11:59 PM	233:59	Nodule Reclaim BH	Upset	Visible emissions noted from stack	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-083	5/8/2023 12:36 PM	5/8/2023 12:39 PM	0:03	#7 and 8 CO Flare Stack	Upset	TO went off due to furnaces being off	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-083	5/8/2023 12:36 PM	5/8/2023 12:39 PM	0:03	#9 CO Flare Stack	Upset	TO went off due to furnaces being off	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-082	5/7/2023 7:37 AM	5/7/2023 8:47 AM	1:10	#9 Vent Stack	Upset	Lost pressure control of #9 furnace because of the actuator being damaged from a small fire	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-082	5/6/2023 9:04 PM	5/7/2023 4:26 AM	7:22	#9 Vent Stack	Upset	Lost pressure control of #9 furnace because of the actuator being damaged from a small fire	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-081	5/3/2023 8:32 AM	5/3/2023 8:36 AM	0:04	#9 CO Flare Stack	Upset	Brought 9 furnace back on and the TO had cooled off too much and tripped off causing the flare	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-081	5/2/2023 4:52 PM	5/2/2023 4:53 PM	0:01	#9 CO Flare Stack	Upset	Brought 9 furnace back on and the TO had cooled off too much and tripped off causing the flare	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-080	5/4/2023 8:18 PM	5/4/2023 8:22 PM	0:04	#7 and 8 CO Flare Stack	Upset	A train flow rate inadequate	Permit condition (7.25) flare use	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2023-080	5/4/2023 8:18 PM	5/4/2023 8:22 PM	0:04	#CO Flare Stack	Upset	A train flow rate inadequate	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-080	5/4/2023 1:57 PM	5/4/2023 1:58 PM	0:01	#CO Flare Stack	Upset	A train flow rate inadequate	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-080	5/1/2023 5:58 PM	5/2/2023 1:39 AM	7:41	Thermal Oxidizer Stacks	Upset	A train flow rate inadequate	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-080	4/28/2023 10:11 PM	4/29/2023 1:49 AM	3:38	#8 CO Baghouse Stk	Upset	#8 CO dust collector piping is plugged up with wet dirt/mud. Baghouse bags may also be plugged up	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-079	5/1/2023 9:57 AM	5/3/2023 9:57 AM	48:00	#8 Vent Stack	SSM	Treater wash on 8 Furnace treater	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-078	4/29/2023 1:55 AM	4/30/2023 4:18 PM	38:23	#8 CO Baghouse Stk	Upset	#8 CO dust collector piping is plugged up with wet dirt/mud. Baghouse bags may also be plugged up	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-076	4/24/2023 11:00 AM	4/24/2023 7:00 PM	8:00	Kiln Hydrosonic Stacks	SSM	High DP on #1 Train	Operational parameter (4.7)	No quantities reported for any pollutant
2023-075	4/22/2023 9:48 AM	4/24/2023 9:48 AM	48:00	#7 Vent Stack	SSM	#7 Furnace annual shutdown including work on 7/8 CO main and #8 treater wash while #7 Fce is off for repairs/rebuilds	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-074	4/20/2023 10:00 AM	4/20/2023 6:00 PM	8:00	Kiln Hydrosonic Stacks	SSM	High DP on #1 and #3 train	Operational parameter (4.7)	No quantities reported for any pollutant
2023-073	4/19/2023 10:25 AM	4/19/2023 10:26 AM	0:01	#7 and 8 CO Flare Stack	Upset	Flare stack valve position greater than 5 due to north area issues	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-073	4/19/2023 10:25 AM	4/19/2023 10:26 AM	0:01	#9 CO Flare Stack	Upset	Flare stack valve position greater than 5 due to north area issues	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-073	4/19/2023 10:22 AM	4/19/2023 10:23 AM	0:01	#9 CO Flare Stack	Upset	Flare stack valve position greater than 5 due to north area issues	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-073	4/19/2023 10:07 AM	4/19/2023 10:08 AM	0:01	#7 and 8 CO Flare Stack	Upset	Flare stack valve position greater than 5 due to north area issues	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-073	4/19/2023 10:07 AM	4/19/2023 10:08 AM	0:01	#9 CO Flare Stack	Upset	Flare stack valve position greater than 5 due to north area issues	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-073	4/19/2023 9:01 AM	4/19/2023 9:02 AM	0:01	#9 CO Flare Stack	Upset	Flare stack valve position greater than 5 due to north area issues	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-073	4/19/2023 8:47 AM	4/19/2023 8:48 AM	0:01	#9 CO Flare Stack	Upset	Flare stack valve position greater than 5 due to north area issues	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-073	4/19/2023 8:31 AM	4/19/2023 8:33 AM	0:02	#7 and 8 CO Flare Stack	Upset	Flare stack valve position greater than 5 due to north area issues	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-073	4/19/2023 8:31 AM	4/19/2023 8:33 AM	0:02	#9 CO Flare Stack	Upset	Flare stack valve position greater than 5 due to north area issues	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-073	4/19/2023 8:11 AM	4/19/2023 8:12 AM	0:01	#7 and 8 CO Flare Stack	Upset	Flare stack valve position greater than 5 due to north area issues	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-073	4/19/2023 8:11 AM	4/19/2023 8:12 AM	0:01	#9 CO Flare Stack	Upset	Flare stack valve position greater than 5 due to north area issues	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-073	4/19/2023 8:00 AM	4/19/2023 8:09 AM	0:09	#7 and 8 CO Flare Stack	Upset	Flare stack valve position greater than 5 due to north area issues	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-073	4/19/2023 8:00 AM	4/19/2023 8:09 AM	0:09	#9 CO Flare Stack	Upset	Flare stack valve position greater than 5 due to north area issues	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-072	4/18/2023 8:10 AM	4/18/2023 10:25 AM	2:15	#105 BH Stack	SSM	Schedule maintenance black light and baghouse inspection	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-071	4/17/2023 11:00 AM	4/17/2023 8:00 PM	9:00	Kiln Hydrosonic Stacks	Upset	Need to clean throats and sprays on trains	Operational parameter (4.7)	No quantities reported for any pollutant
2023-070	4/14/2023 3:19 AM	4/14/2023 3:23 AM	0:04	#7 and 8 CO Flare Stack	Upset	Power outage at AU boiler caused air compressors to shut off dropping plant ait. Pressure control actuators on furnaces use compressed ait to operate. Vented furnaces while E&I troubleshoot issue	20% opacity limit (IDAPA § 625)	No opacity percentage reported

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2023-070	4/13/2023 8:20 AM	4/14/2023 3:44 AM	19:24	#9 Vent Stack	Upset	Power outage at AU boiler caused air compressors to shut off dropping plant ait. Pressure control actuators on furnaces use compressed ait to operate. Vented furnaces while E&I troubleshoot issue	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-070	4/13/2023 8:12 AM	4/13/2023 9:55 PM	13:43	#7 Vent Stack	Upset	Power outage at AU boiler caused air compressors to shut off dropping plant ait. Pressure control actuators on furnaces use compressed ait to operate. Vented furnaces while E&I troubleshoot issue	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-070	4/13/2023 8:12 AM	4/13/2023 7:14 PM	11:02	#8 Vent Stack	Upset	Power outage at AU boiler caused air compressors to shut off dropping plant ait. Pressure control actuators on furnaces use compressed ait to operate. Vented furnaces while E&I troubleshoot issue	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-069	4/13/2023 7:55 AM	4/14/2023 1:45 AM	17:50	Coke Handling Baghouse Stack	SSM	Scheduled maintenance on the bags	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-067	4/10/2023 2:00 PM	4/10/2023 9:00 PM	7:00	Kiln Hydrosonic Stacks	SSM	Dp on #1 KE train is out of spec and throats need cleaned 4/9/23. Took #1 and #3 trains down to replace demisters 4/10/23	Operational parameter (4.7)	No quantities reported for any pollutant
2023-067	4/9/2023 3:00 PM	4/9/2023 9:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	Dp on #1 KE train is out of spec and throats need cleaned 4/9/23. Took #1 and #3 trains down to replace demisters 4/10/23	Operational parameter (4.7)	No quantities reported for any pollutant
2023-066	4/7/2023 9:04 AM	4/7/2023 9:05 AM	0:01	#7 and 8 CO Flare Stack	Upset	Dept. 10 lost their Kiln emissions fans without warning and caused the tricenrics to close then causing 7, 8 and 9 furnaces to flare	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-066	4/7/2023 9:04 AM	4/7/2023 9:05 AM	0:01	#9 CO Flare Stack	Upset	Dept. 10 lost their Kiln emissions fans without warning and caused the tricenrics to close then causing 7, 8 and 9 furnaces to flare	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-065	4/6/2023 7:00 PM	4/6/2023 8:00 PM	1:00	Kiln Hydrosonic Stacks	Upset	We had to take down the #3 fan for a repair	Operational parameter (4.7)	No quantities reported for any pollutant
2023-065	4/4/2023 8:00 AM	4/4/2023 2:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	We had to take down the #3 fan for a repair	Operational parameter (4.7)	No quantities reported for any pollutant
2023-064	4/3/2023 8:00 PM	4/4/2023 1:00 AM	5:00	Kiln Hydrosonic Stacks	SSM	Throats and sprays needed cleaned on #3 train	Operational parameter (4.7)	No quantities reported for any pollutant
2023-062	3/31/2023 5:20 AM	4/1/2023 9:32 AM	28:12	#7 THFC Stack	SSM	High Fan Amp readings, had to take down THFC for repairs to fan	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-061	3/27/2023 2:00 PM	3/27/2023 8:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	High DP on 2 train, vibrations on #4 train fan	Operational parameter (4.7)	No quantities reported for any pollutant
2023-059	3/23/2023 10:09 AM	3/23/2023 3:20 PM	5:11	#8 CO Baghouse Bypass Stk	Upset	See condition for dusting	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-060	3/23/2023 10:00 AM	3/23/2023 5:00 PM	7:00	Kiln Hydrosonic Stacks	SSM	High DP on #1 train	Operational parameter (4.7)	No quantities reported for any pollutant
2023-057	3/23/2023 9:59 AM	3/23/2023 11:34 AM	1:35	Scaleroom BH Stack	SSM	Need to do maintenance on the 307 baghouse	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-056	3/22/2023 3:15 AM	3/22/2023 4:28 PM	13:13	Dryer BH Stack	SSM	Scheduled maintenance	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-055	3/20/2023 12:00 PM	3/21/2023 11:00 PM	35:00	Nodule Venturi Stack	SSM	Throats on #1 train and dirty demisters on #2 and #3 train, and the venturi fan was taken down to clean and repair	Operational parameter (4.7)	No quantities reported for any pollutant
2023-059	3/22/2023 9:00 AM	3/22/2023 3:45 PM	6:45	#8 CO Baghouse Bypass Stk	Upset	See condition for dusting	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-054	3/20/2023 8:57 AM	3/20/2023 3:45 PM	6:48	#9 CO Baghouse Bypass Stk	USSM	Need to black light 9201 baghouse	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-052	3/14/2023 8:00 AM	3/14/2023 5:00 PM	9:00	Kiln Hydrosonic Stacks	Upset	Kiln emission throats are building up causing draft loss	Operational parameter (4.7)	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2023-058	3/16/2023 7:00 AM	3/23/2023 9:00 PM	182:00	Nodule Venturi Stack	Upset	High vibrations on fan	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2023-051	3/15/2023 9:56 AM	3/15/2023 11:49 AM	1:53	#7 THFC Stack	SSM	#7 THFC has a low DP reading, E&I has verified the reading is correct. Shut down THFC to inspect 1st and 2nd stage sprays in spray rings	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-050	3/13/2023 8:00 PM	3/13/2023 11:00 PM	3:00	#7 THFC Stack	Upset	Furnace control power was lost due to DB feed main breaker trip located behind 9 -2 counter weight. Without Provox control power we vented all three furnaces	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-050	3/13/2023 10:39 AM	3/13/2023 11:48 AM	1:09	#7 Vent Stack	Upset	Furnace control power was lost due to DB feed main breaker trip located behind 9 -2 counter weight. Without Provox control power we vented all three furnaces	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-050	3/13/2023 10:39 AM	3/13/2023 11:49 AM	1:10	#8 Vent Stack	Upset	Furnace control power was lost due to DB feed main breaker trip located behind 9 -2 counter weight. Without Provox control power we vented all three furnaces	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-050	3/13/2023 10:39 AM	3/13/2023 4:15 PM	5:36	#9 CO Baghouse Bypass Stk	Upset	Furnace control power was lost due to DB feed main breaker trip located behind 9 -2 counter weight. Without Provox control power we vented all three furnaces	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-050	3/13/2023 10:39 AM	3/13/2023 11:40 AM	1:01	#9 Vent Stack	Upset	Furnace control power was lost due to DB feed main breaker trip located behind 9 -2 counter weight. Without Provox control power we vented all three furnaces	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-049	3/13/2023 10:00 AM	3/13/2023 12:30 PM	2:30	Coke Handling Baghouse Stack	SSM	Baghouse needs work done on it, made repairs, brought back online	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-048	3/10/2023 11:00 AM	3/10/2023 4:00 PM	5:00	Kiln Hydrosonic Stacks	Upset	PH dropped below setpoint while trying to line out the system	Operational parameter (4.6)	No quantities reported for any pollutant
2023-047	3/10/2023 8:20 AM	3/13/2023 10:05 AM	73:45	#9 CO Baghouse Bypass Stk	Upset	VFD burned up had to go into bypass	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-046	3/10/2023 1:06 PM	3/10/2023 1:37 PM	0:31	#8 Vent Stack	Upset	Vent furnace need to chec kthe furnace explosion seal bell for cracks or holes. Also hydro blasting treater bin and screw that has build up	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-045	3/9/2023 11:00 AM	3/9/2023 8:00 PM	9:00	Kiln Hydrosonic Stacks	Upset	#1 fan tripped off and blew 2 fuses	Operational parameter (4.7)	No quantities reported for any pollutant
2023-044	3/7/2023 10:25 AM	3/7/2023 1:32 PM	3:07	Scaleroom BH Stack	Upset	Fan quit	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-043	3/7/2023 10:12 AM	3/8/2023 2:22 PM	28:10	#8 CO Baghouse Bypass Stk	SSM	8201 baghouse work	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-042	3/7/2023 1:00 PM	3/7/2023 5:00 PM	4:00	Kiln Hydrosonic Stacks	SSM	High DP on #3 train	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2023-041	3/6/2023 12:21 AM	3/6/2023 12:22 AM	0:01	#7 and 8 CO Flare Stack	Upset	Kiln lost return roller in cooler causing us to flare, when they quit taking as much CO gas	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-041	3/6/2023 12:21 AM	3/6/2023 12:22 AM	0:01	#9 CO Flare Stack	Upset	Kiln lost return roller in cooler causing us to flare, when they quit taking as much CO gas	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-040	3/1/2023 5:00 PM	3/1/2023 7:00 PM	2:00	Kiln Hydrosonic Stacks	Upset	Issues with the cooler had to pull feed to make repairs	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2023-039	3/3/2023 8:00 AM	3/3/2023 3:00 PM	7:00	#7 CO Baghouse Bypass Stk	SSM	Need to pull bags for sampling	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-038	2/28/2023 2:00 PM	2/28/2023 8:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	We have 2 dirty demisters to change and some work to do on the trains	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2023-038	2/27/2023 3:00 PM	2/27/2023 10:00 PM	7:00	Kiln Hydrosonic Stacks	SSM	We have 2 dirty demisters to change and some work to do on the trains	Requirement to operate equipment (6.3)	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2023-038	2/24/2023 6:00 PM	2/24/2023 10:00 PM	4:00	Nodule Cooler Spray Tower Stack	Upset	Frozen lines on cooler tower	Operational parameter (4.8)	No quantities reported for any pollutant
2023-037	2/24/2023 3:00 PM	2/24/2023 9:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	Demisters contamination	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2023-035	2/28/2023 8:19 PM	2/28/2023 9:55 PM	1:36	#9 Vent Stack	Upset	Dust pluming when bag house is pulsating, air lines to pulsator have been frozen so it was not able to pulsate like it should. If we went on the bypass it would make more emissions out of the stack, so we stayed on the main fan to catch more dust. We believe we might just have a small hole in a bag.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-035	2/24/2023 8:00 AM	2/27/2023 2:13 PM	78:13	#8 CO Baghouse Stk	Upset	Dust pluming when bag house is pulsating, air lines to pulsator have been frozen so it was not able to pulsate like it should. If we went on the bypass it would make more emissions out of the stack, so we stayed on the main fan to catch more dust. We believe we might just have a small hole in a bag.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-034	2/22/2023 9:40 AM	2/22/2023 12:55 PM	3:15	#105 BH Stack	SSM	Fan vibrations	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-033	2/21/2023 9:34 AM	2/21/2023 10:05 AM	0:31	#104 BH Stack	SSM	Routine PM	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-032	2/16/2023 3:00 PM	2/16/2023 9:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	#4 train offline to clean throats and spray	Operational parameter (4.7)	No quantities reported for any pollutant
2023-031	2/15/2023 3:00 PM	2/15/2023 9:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	High DP on #3 outlet demister, changed dedmister	Operational parameter (4.7)	No quantities reported for any pollutant
2023-030	2/15/2023 7:25 AM	2/16/2023 2:15 PM	30:50	Scaleroom BH Stack	SSM	PM bag house black light	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-029	2/15/2023 5:00 AM	2/15/2023 7:00 AM	2:00	#8 THFC Stack	SSM	Blacklight baghouse to inspect bags	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-029	2/14/2023 10:15 AM	2/14/2023 3:45 PM	5:30	#8 CO Baghouse Bypass Stk	SSM	Blacklight baghouse to inspect bags	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-028	1/29/2023 11:00 PM	1/30/2023 1:45 AM	2:45	Nodule Cooler Spray Tower Stack	Upset	A pump started to fail, then fully failed in the spray tower. The flow slightly dipped below on a couple occasions before failing	Operational parameter (4.8)	No quantities reported for any pollutant
2023-027	2/9/2023 1:45 AM	2/9/2023 2:35 AM	0:50	#8 THFC Stack	Upset	Spray Header pressure instrument line froze	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-025	2/8/2023 2:00 PM	2/8/2023 10:00 PM	8:00	Kiln Hydrosonic Stacks	SSM	DP on #3 demister out of range and throats and sprays need cleaned as well	Operational parameter (4.7)	No quantities reported for any pollutant
2023-024	2/7/2023 5:23 PM	2/7/2023 5:25 PM	0:02	#9 CO Flare Stack	Upset	Department 10 pulled feed without notice	Permit condition (7.25) flare use	No quantities reported for any pollutant
2023-023	2/6/2023 8:00 PM	2/7/2023 2:00 AM	6:00	Kiln Hydrosonic Stacks	SSM	Dirty demister on #1 train and restricted throats on #2	Operational parameter (4.7)	No quantities reported for any pollutant
2023-023	2/6/2023 11:00 AM	2/6/2023 6:00 PM	7:00	Kiln Hydrosonic Stacks	SSM	Dirty demister on #1 train and restricted throats on #2	Operational parameter (4.7)	No quantities reported for any pollutant
2023-022	2/1/2023 9:35 AM	2/1/2023 12:23 PM	2:48	#9 Vent Stack	SSM	Repacking Nash's on 9FCE	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-020	1/31/2023 11:43 AM	1/31/2023 12:32 PM	0:49	#8 THFC Stack	Upset	Fan tripped off due to overamp	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-020	1/31/2023 10:57 AM	1/31/2023 11:42 AM	0:45	#8 THFC Stack	Upset	Fan tripped off due to overamp	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-020	1/30/2023 7:15 PM	1/30/2023 8:10 PM	0:55	#8 THFC Stack	Upset	Fan tripped off due to overamp	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-020	1/30/2023 3:35 PM	1/30/2023 4:15 PM	0:40	#8 THFC Stack	Upset	Fan tripped off due to overamp	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-020	1/30/2023 2:28 PM	1/30/2023 3:16 PM	0:48	#8 THFC Stack	Upset	Fan tripped off due to overamp	20% opacity limit (IDAPA § 625)	No opacity percentage reported

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2023-019	1/28/2023 8:00 AM	1/28/2023 3:00 PM	7:00	Kiln Hydrosonic Stacks	SSM	Demister on #1 train is out of spec and needs changed	Operational parameter (4.7)	No quantities reported for any pollutant
2023-017	1/28/2023 2:00 AM	1/28/2023 5:00 AM	3:00	Nodule Cooler Spray Tower Stack	Upset	A pump started to fail, then fully failed in the spray tower. The flow slightly dipped below on a couple occasions before failing	Operational parameter (4.8)	No quantities reported for any pollutant
2023-016	1/24/2023 6:00 PM	1/24/2023 7:00 PM	1:00	Kiln Hydrosonic Stacks	Upset	so2 ph is below 6.1 pluggage on soda ash silo	Operational parameter (4.6)	No quantities reported for any pollutant
2023-016	1/24/2023 12:00 PM	1/24/2023 4:00 PM	4:00	Kiln Hydrosonic Stacks	Upset	so2 ph is below 6.1 pluggage on soda ash silo	Operational parameter (4.6)	No quantities reported for any pollutant
2023-015	1/23/2023 1:55 PM	1/23/2023 2:05 PM	0:10	#7 CO Baghouse Bypass Stk	Upset	Maintenance, vibrations tests on backup fan motors	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-015	1/23/2023 1:41 PM	1/23/2023 1:53 PM	0:12	#9 CO Baghouse Bypass Stk	Upset	Maintenance, vibrations tests on backup fan motors	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-014	1/21/2023 7:49 PM	1/21/2023 8:29 PM	0:40	#8 Vent Stack	Upset	#8 furnace nash's tripped off from ssuction trip or loss of pressure control, taking the furnace and causing us to vent. We are still trouble shooting what went on, shifter is looking at prints, nashes are on but furnace will not start	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-013	1/21/2023 10:00 AM	1/25/2023 3:00 AM	89:00	Kiln Hydrosonic Stacks	Upset	High vibration on #1 fan	Operational parameter (4.7)	No quantities reported for any pollutant
2023-012	1/18/2023 2:00 PM	1/19/2023 1:00 AM	11:00	Kiln Hydrosonic Stacks	Upset	Demister needs to be changed	Operational parameter (4.7)	No quantities reported for any pollutant
2023-011	1/18/2023 11:00 AM	1/18/2023 4:00 PM	5:00	#7 THFC Stack	SSM	Shut down #7 THFC to remove Ice Build-up near top of stack	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-011	1/17/2023 12:00 PM	1/17/2023 4:00 PM	4:00	#7 THFC Stack	SSM	Shut down #7 THFC to remove Ice Build-up near top of stack	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-010	1/14/2023 9:50 AM	1/14/2023 11:53 AM	2:03	#9 Vent Stack	Upset	#9 furnace lost pressure control due to a loose control power wire that tripped the breaker, causing the nashes to trip off on a sunction trip. We then vented the furnace	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-009	1/12/2023 1:00 PM	1/12/2023 3:00 PM	2:00	#7 THFC Stack	SSM	Shut down #7 THFC to clean ice from structure	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-008	1/11/2023 8:05 AM	1/11/2023 12:00 PM	3:55	Scaleroom BH Stack	Upset	Need to do work on the scaleroom baghouse	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-007	1/9/2023 11:05 AM	1/9/2023 2:45 PM	3:40	Scaleroom BH Stack	SSM	Blacklight and PM baghouse	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-005	1/9/2023 9:50 AM	1/9/2023 10:45 AM	0:55	Nodule Reclaim BH	SSM	Blacklight baghouse for PM	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2023-004	1/9/2023 12:00 PM	1/10/2023 3:00 AM	15:00	Kiln Hydrosonic Stacks	SSM	Change demisters for stack testing on all trains	Operational parameter (4.7)	No quantities reported for any pollutant
2023-003	1/5/2023 7:13 AM	1/5/2023 12:24 PM	5:11	#9 Vent Stack	SSM	Nitrogen seals are in need of replacement and other roof work on #9 furnace	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-002	1/4/2023 11:50 AM	1/4/2023 1:05 PM	1:15	#7 Vent Stack	Upset	Spary tower pressure control issues	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2023-001	1/2/2023 11:00 AM	1/2/2023 6:01 PM	7:01	Kiln Hydrosonic Stacks	SSM	Demister needs to be changed	Operational parameter (4.7)	No quantities reported for any pollutant
2022-205	12/29/2022 10:00 AM	12/29/2022 5:00 PM	7:00	Kiln Hydrosonic Stacks	SSM	#3 kiln emission outlet demister dp is high and showing that it needs replaced	Operational parameter (4.7)	No quantities reported for any pollutant
2022-204	12/27/2022 11:00 AM	12/27/2022 7:00 PM	8:00	#8 THFC Stack	Upset	Pump mechanical failure	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-203	12/25/2022 11:00 AM	12/25/2022 5:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	Dirty throats on #4 Train, cleaned throats and brought back online.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-202	12/25/2022 2:00 PM	12/25/2022 5:00 PM	3:00	Kiln Hydrosonic Stacks	SSM	High DP on #1 Train	Operational parameter (4.7)	No quantities reported for any pollutant
2022-201	12/22/2022 7:28 PM	12/23/2022 11:15 AM	15:47	#9 Vent Stack	SSM	Extended Mandatory Economic Curtailment	20% opacity limit (IDAPA § 625)	No opacity percentage reported

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2022-201	12/21/2022 2:26 PM	12/22/2022 2:39 AM	12:13	#8 Vent Stack	SSM	Extended Mandatory Economic Curtailment	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-201	12/21/2022 1:17 PM	12/22/2022 2:30 AM	13:13	#7 Vent Stack	SSM	Extended Mandatory Economic Curtailment	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-201	12/20/2022 9:47 AM	12/20/2022 2:14 PM	4:27	#9 Vent Stack	SSM	Extended Mandatory Economic Curtailment	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-200	12/19/2022 11:00 PM	12/20/2022 5:00 AM	6:00	Kiln Hydrosonic Stacks	SSM	High Dp #1 train	Operational parameter (4.7)	No quantities reported for any pollutant
2022-200	12/19/2022 2:00 PM	12/19/2022 8:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	High Dp #1 train	Operational parameter (4.7)	No quantities reported for any pollutant
2022-198	12/17/2022 7:25 AM	12/17/2022 7:26 AM	0:01	#9 CO Flare Stack	SSM	Vent #9 furnace to change 703 screw end caps and to complete pressure control interlock test.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-198	12/15/2022 7:33 AM	12/15/2022 10:26 AM	2:53	#9 Vent Stack	SSM	Vent #9 furnace to change 703 screw end caps and to complete pressure control interlock test.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-197	12/14/2022 9:30 AM	12/14/2022 11:20 AM	1:50	#105 BH Stack	SSM	Maintenance work on the 105 baghouse.	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2022-196	12/15/2022 4:00 PM	12/15/2022 7:00 PM	3:00	#7 THFC Stack	SSM	Shut down #7 THFC to clean ice structure	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-196	12/15/2022 9:00 AM	12/15/2022 1:00 PM	4:00	#7 THFC Stack	SSM	Shut down #7 THFC to clean ice structure	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-196	12/14/2022 10:00 AM	12/14/2022 6:00 PM	8:00	#7 THFC Stack	SSM	Shut down #7 THFC to clean ice structure	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-196	12/13/2022 9:00 AM	12/13/2022 7:00 PM	10:00	#7 THFC Stack	SSM	Shut down #7 THFC to clean ice structure	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-196	12/12/2022 3:00 PM	12/12/2022 7:00 PM	4:00	#7 THFC Stack	SSM	Shut down #7 THFC to clean ice structure	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-195	12/12/2022 3:00 PM	12/12/2022 10:00 PM	7:00	Kiln Hydrosonic Stacks	SSM	#3 outlet demister is dirty and needs changed	Operational parameter (4.7)	No quantities reported for any pollutant
2022-194	12/11/2022 3:00 PM	12/11/2022 8:00 PM	5:00	Kiln Hydrosonic Stacks	SSM	High DP on #2 Train	Operational parameter (4.7)	No quantities reported for any pollutant
2022-192	12/08/2022 10:19 AM	12/08/2022 10:56 AM	0:37	#9 CO Baghouse Bypass Stk	Upset	maintenance on baghouse fan	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2022-191	12/06/2022 7:08 AM	12/06/2022 12:21 PM	5:13	#8 Vent Stack	SSM	Parts for pressure control need replaced	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-191	12/06/2022 6:48 AM	12/06/2022 4:30 PM	9:42	#7 Vent Stack	SSM	Parts for pressure control need replaced	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-191	12/06/2022 6:00 AM	12/06/2022 6:02 AM	0:02	#9 CO Flare Stack	SSM	Parts for pressure control need replaced	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-191	12/05/2022 1:08 PM	12/05/2022 2:51 PM	1:43	#9 Vent Stack	SSM	Parts for pressure control need replaced	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-190	12/05/2022 12:00 PM	12/05/2022 8:00 PM	8:00	Kiln Hydrosonic Stacks	Upset	kiln emission throats are plugging up	Operational parameter (4.7)	No quantities reported for any pollutant
2022-190	12/04/2022 8:00 PM	12/05/2022 4:00 AM	8:00	Kiln Hydrosonic Stacks	Upset	kiln emission throats are plugging up	Operational parameter (4.7)	No quantities reported for any pollutant
2022-189	11/29/2022 9:56 AM	11/29/2022 3:55 PM	5:59	#7 Vent Stack	SSM	We will need to vent #7 and #8 furnaces due to a leak in the CO main.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-189	11/29/2022 9:45 AM	11/29/2022 4:12 PM	6:27	#8 Vent Stack	SSM	We will need to vent #7 and #8 furnaces due to a leak in the CO main.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-188	11/29/2022 12:00 AM	11/30/2022 2:00 AM	26:00	Kiln Hydrosonic Stacks	SSM	welding repairs needed on #4 train	Operational parameter (4.7)	No quantities reported for any pollutant
2022-187	11/27/2022 12:00 PM	11/28/2022 7:00 PM	31:00	Kiln Hydrosonic Stacks	Upset	DP on #3 train is barely running in and out of spec.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-186	11/26/2022 12:00 PM	11/26/2022 8:00 PM	8:00	Kiln Hydrosonic Stacks	SSM	Dirty Throats on #4 Train	Operational parameter (4.7)	No quantities reported for any pollutant
2022-185	11/24/2022 6:07 PM	11/25/2022 2:25 PM	20:18	#8 Vent Stack	Upset	8 Furnace 3 phase arc and broken stick.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-184	11/24/2022 8:27 PM	11/24/2022 8:27 PM	0:00	#9 CO Flare Stack	Upset	bringing furnace on from shutdown	Permit condition (7.25) flare use	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2022-184	11/22/2022 11:53 PM	11/22/2022 11:54 PM	0:01	#9 CO Flare Stack	Upset	bringing furnace on from shutdown	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-184	11/22/2022 9:50 PM	11/22/2022 10:17 PM	0:27	#9 CO Flare Stack	Upset	bringing furnace on from shutdown	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-182	11/19/2022 9:00 AM	11/22/2022 3:00 PM	78:00	Nodule Venturi Stack	SSM	High vibrations on venturi fan.	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2022-181	11/18/2022 11:00 AM	11/18/2022 5:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	1 demister low dp	Operational parameter (4.7)	No quantities reported for any pollutant
2022-181	11/17/2022 2:00 PM	11/17/2022 9:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	1 demister low dp	Operational parameter (4.7)	No quantities reported for any pollutant
2022-180	11/14/2022 7:00 AM	11/14/2022 8:06 PM	13:06	#8 Vent Stack	Upset	Venting furnace for Broken electrode repairs	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-179	11/13/2022 1:00 PM	11/13/2022 2:00 PM	1:00	Kiln Hydrosonic Stacks	Upset	Dp's on the kiln emissions outlet demisters climbing up and needed replaced with clean ones. #1 train	Operational parameter (4.7)	No quantities reported for any pollutant
2022-178	11/11/2022 3:00 PM	11/11/2022 7:00 PM	4:00	Kiln Hydrosonic Stacks	Upset	Low DP on #3 train	Operational parameter (4.7)	No quantities reported for any pollutant
2022-177	11/9/2022 8:00 AM	11/9/2022 5:00 PM	9:00	Kiln Hydrosonic Stacks	Upset	flow on #4 train was low flow on #1 train low	Operational parameter (4.7)	No quantities reported for any pollutant
2022-177	11/8/2022 11:00 PM	11/9/2022 5:00 AM	6:00	Kiln Hydrosonic Stacks	Upset	flow on #4 train was low flow on #1 train low	Operational parameter (4.7)	No quantities reported for any pollutant
2022-176	11/7/2022 6:00 PM	11/7/2022 8:00 PM	2:00	Kiln Hydrosonic Stacks	Upset	ph threshold dropped below the allowed limit	Operational parameter (4.6)	No quantities reported for any pollutant
2022-176	11/7/2022 5:00 AM	11/7/2022 10:00 AM	5:00	Kiln Hydrosonic Stacks	Upset	ph threshold dropped below the allowed limit	Operational parameter (4.6)	No quantities reported for any pollutant
2022-175	11/6/2022 4:16 AM	11/6/2022 4:16 AM	0:00	#7 and 8 CO Flare Stack	Upset	Flared 7&8 furnaces because of kiln shreader roll pluggage that caused them to quit taking as much CO gas	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-175	11/6/2022 4:16 AM	11/6/2022 4:17 AM	0:01	#7 and 8 CO Flare Stack	Upset	Flared 7&8 furnaces because of kiln shreader roll pluggage that caused them to quit taking as much CO gas	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-175	11/6/2022 3:06 AM	11/6/2022 3:06 AM	0:00	#7 and 8 CO Flare Stack	Upset	Flared 7&8 furnaces because of kiln shreader roll pluggage that caused them to quit taking as much CO gas	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-175	11/6/2022 12:32 AM	11/6/2022 12:32 AM	0:00	#7 and 8 CO Flare Stack	Upset	Flared 7&8 furnaces because of kiln shreader roll pluggage that caused them to quit taking as much CO gas	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-175	11/5/2022 9:56 PM	11/5/2022 9:56 PM	0:00	#7 and 8 CO Flare Stack	Upset	Flared 7&8 furnaces because of kiln shreader roll pluggage that caused them to quit taking as much CO gas	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-175	11/5/2022 7:46 PM	11/5/2022 7:46 PM	0:00	#7 and 8 CO Flare Stack	Upset	Flared 7&8 furnaces because of kiln shreader roll pluggage that caused them to quit taking as much CO gas	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-175	11/5/2022 6:54 PM	11/5/2022 6:54 PM	0:00	#7 and 8 CO Flare Stack	Upset	Flared 7&8 furnaces because of kiln shreader roll pluggage that caused them to quit taking as much CO gas	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-175	11/5/2022 6:39 PM	11/5/2022 6:39 PM	0:00	#7 and 8 CO Flare Stack	Upset	Flared 7&8 furnaces because of kiln shreader roll pluggage that caused them to quit taking as much CO gas	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-175	11/5/2022 5:20 PM	11/5/2022 5:20 PM	0:00	#7 and 8 CO Flare Stack	Upset	Flared 7&8 furnaces because of kiln shreader roll pluggage that caused them to quit taking as much CO gas	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-175	11/5/2022 2:21 PM	11/5/2022 2:35 PM	0:14	#7 and 8 CO Flare Stack	Upset	Flared 7&8 furnaces because of kiln shreader roll pluggage that caused them to quit taking as much CO gas	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-175	11/5/2022 1:38 PM	11/5/2022 1:39 PM	0:01	#7 and 8 CO Flare Stack	Upset	Flared 7&8 furnaces because of kiln shreader roll pluggage that caused them to quit taking as much CO gas	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-175	11/5/2022 4:42 AM	11/5/2022 4:44 AM	0:02	#7 and 8 CO Flare Stack	Upset	Flared 7&8 furnaces because of kiln shreader roll pluggage that caused them to quit taking as much CO gas	Permit condition (7.25) flare use	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2022-175	11/5/2022 4:18 AM	11/5/2022 4:20 AM	0:02	#7 and 8 CO Flare Stack	Upset	Flared 7&8 furnaces because of kiln shreader roll pluggage that caused them to quit taking as much CO gas	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-174	11/4/2022 12:00 PM	11/4/2022 6:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	Throats and sprays need cleaned on #1 train	Operational parameter (4.7)	No quantities reported for any pollutant
2022-173	10/31/2022 10:00 AM	10/31/2022 5:00 PM	7:00	Kiln Hydrosonic Stacks	SSM	Preparation for stack testing	Operational parameter (4.6)	No quantities reported for any pollutant
2022-172	10/29/2022 1:01 PM	10/31/2022 1:01 PM	48:00	#9 Vent Stack	SSM	#9 annual furnace shutdown	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-171	10/27/2022 11:00 AM	10/27/2022 4:00 PM	5:00	Kiln Hydrosonic Stacks	SSM	high dp on #3 outlet demister	Operational parameter (4.6)	No quantities reported for any pollutant
2022-170	10/25/2022 7:20 AM	10/25/2022 3:25 PM	8:05	#8 CO Baghouse Bypass Stk	SSM	Preventative maintenance, blacklight bags in 800 baghouse.	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2022-169	10/22/2022 5:27 PM	10/22/2022 5:34 PM	0:07	#7 and 8 CO Flare Stack	Upset	Kiln plugged 5X5 and pulled feed, then the concentrics slammed shut. The furnace Provox operator was not aware of this making the furnaces vent to relieve the pressure.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-169	10/22/2022 5:27 PM	10/22/2022 5:34 PM	0:07	#9 CO Flare Stack	Upset	Kiln plugged 5X5 and pulled feed, then the concentrics slammed shut. The furnace Provox operator was not aware of this making the furnaces vent to relieve the pressure.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-169	10/22/2022 5:16 PM	10/22/2022 5:19 PM	0:03	#7 and 8 CO Flare Stack	Upset	Kiln plugged 5X5 and pulled feed, then the concentrics slammed shut. The furnace Provox operator was not aware of this making the furnaces vent to relieve the pressure.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-169	10/22/2022 5:16 PM	10/22/2022 5:19 PM	0:03	#9 CO Flare Stack	Upset	Kiln plugged 5X5 and pulled feed, then the concentrics slammed shut. The furnace Provox operator was not aware of this making the furnaces vent to relieve the pressure.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-168	10/17/2022 11:00 AM	10/17/2022 6:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	Demisters in #2 and #3 are dirty and need changing.	Operational parameter (4.6)	No quantities reported for any pollutant
2022-168	10/15/2022 9:00 AM	10/15/2022 3:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	Demisters in #2 and #3 are dirty and need changing.	Operational parameter (4.6)	No quantities reported for any pollutant
2022-167	10/19/2022 10:12 AM	10/19/2022 11:22 AM	1:10	Nodule Reclaim BH	SSM	Impeler inspection on the 302 fan is due.	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2022-165	10/11/2022 11:00 AM	10/11/2022 7:00 PM	8:00	Kiln Hydrosonic Stacks	SSM	High DPon #1 outlet demister.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-164	10/10/2022 6:00 PM	10/10/2022 9:00 PM	3:00	Kiln Hydrosonic Stacks	Upset	Pulled feed due to 3x4 pump issues	Operational parameter (4.7)	No quantities reported for any pollutant
2022-163	10/10/2022 12:59 AM	10/11/2022 1:05 PM	36:06	#7 Vent Stack	Upset	Arced between #3 seal and riser on #7 furnace.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-162	10/6/2022 4:00 AM	10/6/2022 2:00 PM	10:00	#8 CO Baghouse Bypass Stk	SSM	8201 Baghouse due for blacklight testing	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2022-161	10/4/2022 8:47 AM	10/4/2022 2:06 PM	5:19	#8 Vent Stack	Upset	Had to vent #8 furnace due to repacking the Nash's	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-160	10/5/2022 7:10 AM	10/5/2022 10:40 AM	3:30	Scaleroom BH Stack	SSM	4 month compliace work order to black light bag in the bag house.	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2022-159	10/4/2022 6:55 AM	10/4/2022 8:00 AM	1:05	#104 BH Stack	SSM	inspect PM the 104 baghouse	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2022-157	10/3/2022 11:00 AM	10/3/2022 5:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	High DPon #1 outlet demister.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-156	10/2/2022 8:25 AM	10/3/2022 2:00 PM	29:35	SDM Vent Stack	Upset	SDM baghouse is dusting on the piping to the top of the baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2022-155	9/29/2022 7:10 AM	9/29/2022 10:45 AM	3:35	Nodule Reclaim BH	SSM	Scheduled maintenance	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2022-154	9/28/2022 8:00 AM	9/28/2022 1:20 PM	5:20	Coke Bunker Baghouse Stack	SSM	Duct work buildup	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2022-153	9/26/2022 11:00 AM	9/26/2022 7:00 PM	8:00	Kiln Hydrosonic Stacks	SSM	High DP's on #1 and #3 Dimisters	Operational parameter (4.7)	No quantities reported for any pollutant
2022-152	9/25/2022 10:10 AM	9/25/2022 5:00 PM	6:50	Kiln Hydrosonic Stacks	Upset	Pulled feed furnace upset	Operational parameter (4.6)	No quantities reported for any pollutant
2022-150	9/21/2022 11:00 AM	9/21/2022 5:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	Throats and sprays need cleaned on #4 train.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-149	9/20/2022 10:00 AM	9/20/2022 5:00 PM	7:00	Kiln Hydrosonic Stacks	SSM	Dirty drain legs on #3 fan	Operational parameter (4.7)	No quantities reported for any pollutant
2022-148	9/19/2022 2:00 PM	9/19/2022 8:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	Dirty demister on #1 train	Operational parameter (4.7)	No quantities reported for any pollutant
2022-146	9/13/2022 10:00 AM	9/13/2022 8:00 PM	10:00	Kiln Hydrosonic Stacks	Upset	We have a dirty demister that we need to change out on #3 train	Operational parameter (4.7)	No quantities reported for any pollutant
2022-144	9/7/2022 9:00 PM	9/8/2022 5:00 PM	20:00	Kiln Hydrosonic Stacks	Upset	We have a plugged separator on #1 train and need to take the kiln emission fan down.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-143	9/7/2022 3:00 PM	9/7/2022 9:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	#3 outlet demister is dirty and needs replaced	Operational parameter (4.7)	No quantities reported for any pollutant
2022-143	9/5/2022 8:00 PM	9/6/2022 12:00 AM	4:00	Kiln Hydrosonic Stacks	Upset	#3 outlet demister is dirty and needs replaced	Operational parameter (4.7)	No quantities reported for any pollutant
2022-142	8/29/2022 3:00 PM	9/5/2022 5:00 PM	170:00	Kiln Hydrosonic Stacks	SSM	#4 kiln emission fan needs waterblasted and the train cleaned	Operational parameter (4.7)	No quantities reported for any pollutant
2022-141	8/29/2022 8:00 AM	8/31/2022 6:00 AM	46:00	Nodule Venturi Stack	Upset	vibrations on the nodule venturi fan	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2022-140	8/28/2022 8:00 PM	8/28/2022 11:00 PM	3:00	Kiln Hydrosonic Stacks	SSM	clean throats and sprays on trains.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-139	8/27/2022 11:00 AM	8/28/2022 7:00 PM	32:00	Nodule Venturi Stack	Upset	Lost flow from the venturi pump	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2022-138	8/22/2022 4:00 PM	8/27/2022 3:00 AM	107:00	Kiln Hydrosonic Stacks	Upset	Tacking down #3 train for water blasting	Operational parameter (4.7)	No quantities reported for any pollutant
2022-137	8/15/2022 4:00 PM	8/20/2022 5:00 AM	109:00	Kiln Hydrosonic Stacks	Upset	Took down #2 fan for water blasting	Operational parameter (4.7)	No quantities reported for any pollutant
2022-135	8/13/2022 7:00 AM	8/13/2022 10:00 PM	15:00	Kiln Hydrosonic Stacks	Upset	#3 fan was shut off to reduce air flow with #7 furnace being down, and we will replace a demister as well.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-134	8/8/2022 12:00 PM	8/13/2022 1:00 PM	121:00	Kiln Hydrosonic Stacks	Upset	Water blasting #1 fan. This is a multiday maintenance process.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-133	8/12/2022 5:00 PM	8/13/2022 11:00 AM	18:00	#7 Vent Stack	SSM	Taking off #7 fee THFCto do maintenance and remove build up on fan blades. This may also require 7 fee to be vented if the THFCand TDFCis off for an extended amount of time.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-130	8/9/2022 8:00 AM	8/9/2022 10:30 AM	2:30	#105 BH Stack	Upset	Bag bags	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2022-127	8/7/2022 11:00 AM	8/7/2022 5:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	Will be taking individual trains down on Kiln emissions to change demisters and clean throats and sprays in preparation for 3 fan operation starting next week.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-127	8/5/2022 1:00 PM	8/5/2022 8:00 PM	7:00	Kiln Hydrosonic Stacks	SSM	Will be taking individual trains down on Kiln emissions to change demisters and clean throats and sprays in preparation for 3 fan operation starting next week.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-127	8/4/2022 9:00 PM	8/5/2022 3:00 AM	6:00	Kiln Hydrosonic Stacks	SSM	Will be taking individual trains down on Kiln emissions to change demisters and clean throats and sprays in preparation for 3 fan operation starting next week.	Operational parameter (4.7)	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2022-126	8/3/2022 7:53 AM	8/3/2022 9:10 AM	1:17	Coke Handling Baghouse Stack	Upset	Loss power	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2022-125	8/3/2022 7:53 AM	8/3/2022 8:45 AM	0:52	Scaleroom BH Stack	Upset	Loss power	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2022-124	8/5/2022 10:50 AM	8/5/2022 11:19 AM	0:29	#9 THFC Stack	SSM	Installing new equipment and removing old equipment/tie-ins Shut down the 7212 fan to install blank	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-124	8/1/2022 7:32 AM	8/1/2022 11:12 AM	3:40	#7 CO Baghouse Bypass Stk	SSM	Installing new equipment and removing old equipment/tie-ins Shut down the 7212 fan to install blank	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-123	8/23/2022 7:36 AM	8/23/2022 1:17 PM	5:41	#7 Vent Stack	SSM	#8 furnace shut down Vent #7 to replace #8 dutchman valve/TO wash port covers	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-123	7/30/2022 12:00 AM	7/31/2022 11:00 AM	35:00	#8 Vent Stack	SSM	#8 furnace shut down Vent #7 to replace #8 dutchman valve/TO wash port covers	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-121	7/29/2022 4:00 PM	7/29/2022 9:00 PM	5:00	Kiln Hydrosonic Stacks	Upset	High DP on 3 train	Operational parameter (4.7)	No quantities reported for any pollutant
2022-121	7/28/2022 11:00 AM	7/28/2022 6:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	High DP on 3 train	Operational parameter (4.7)	No quantities reported for any pollutant
2022-120	7/27/2022 11:14 AM	7/27/2022 11:15 AM	0:01	#7 and 8 CO Flare Stack	Upset	Thermal oxidizer temps decreased and COoutput from 9 furnace exceeded Thermal oxidizer intake capacity causing a flare lasting less than 10 seconds.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-118	7/25/2022 12:00 PM	7/26/2022 11:00 AM	23:00	#9 THFC Stack	SSM	Getting high vibrations in fan bearings	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-117	7/23/2022 11:00 AM	7/23/2022 5:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	Dp's on #1 and #3 trains are less than -3	Operational parameter (4.7)	No quantities reported for any pollutant
2022-116	7/21/2022 8:30 AM	7/21/2022 9:15 AM	0:45	#105 BH Stack	SSM	seal on a door needs repaired or replaced	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2022-115	7/18/2022 9:00 PM	7/19/2022 2:00 AM	5:00	Kiln Hydrosonic Stacks	Upset	DP on #4 demister is out of range will take train down to change demister and clean throats and sprays	Operational parameter (4.7)	No quantities reported for any pollutant
2022-114	7/14/2022 12:00 PM	7/14/2022 6:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	#1 outlet demister dp is meeting the -3 threshold	Operational parameter (4.7)	No quantities reported for any pollutant
2022-113	7/12/2022 9:00 PM	7/14/2022 6:00 AM	33:00	Kiln Hydrosonic Stacks	Upset	pH in the SO2 scrubbing system tank generally takes a bit to stabilize after bringing the kiln back online from a shutdown, this was the case here.	Operational parameter (4.6)	No quantities reported for any pollutant
2022-112	7/13/2022 9:40 AM	7/13/2022 1:20 PM	3:40	#105 BH Stack	SSM	Taking baghouse down to check bags and make any repairs found	Requirement to operate equipment (5.3)	No quantities reported for any pollutant
2022-111	7/12/2022 6:00 PM	7/13/2022 7:33 AM	13:33	Nodule Venturi Stack	Upset	DP reading on venturi is not reading correctly.	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2022-110	7/13/2022 7:20 AM	7/13/2022 2:00 PM	6:40	Kiln Hydrosonic Stacks	SSM	DP is high on #2 demister. Change out #2 demister and clean throats	Operational parameter (4.7)	No quantities reported for any pollutant
2022-109	7/12/2022 3:47 PM	7/12/2022 3:48 PM	0:01	#7 and 8 CO Flare Stack	Upset	TO to kiln shift over	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-109	7/12/2022 3:47 PM	7/12/2022 3:48 PM	0:01	#9 CO Flare Stack	Upset	TO to kiln shift over	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-108	7/13/2022 9:43 AM	7/13/2022 1:17 PM	3:34	Coke Handling Baghouse Stack	SSM	BLACK LIGHT AND PM OF THE BAGHOUSE	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-107	7/12/2022 9:00 AM	7/12/2022 9:00 PM	12:00	Thermal Oxidizer Stacks	Upset	Had some opacity coming out of the TO Stacks. Had a bad spray nozzle, fixed the problem and no more opacity was observed.	20% opacity limit (IDAPA § 625)	No opacity percentage reported

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2022-106	7/9/2022 10:52 PM	7/9/2022 11:56 PM	1:04	#9 Vent Stack	SSM	9-1 electrode seal sludge valve is sticky causing valve to stay open when sludging. We have already changed the actuator. Weneed to vent in case the electrode seal loses all its water when changing the valve.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-106	7/9/2022 10:58 AM	7/9/2022 10:58 AM	0:00	#7 and 8 CO Flare Stack	SSM	9-1 electrode seal sludge valve is sticky causing valve to stay open when sludging. We have already changed the actuator. Weneed to vent in case the electrode seal loses all its water when changing the valve.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-106	7/9/2022 10:58 AM	7/9/2022 10:58 AM	0:00	#9 CO Flare Stack	SSM	9-1 electrode seal sludge valve is sticky causing valve to stay open when sludging. We have already changed the actuator. Weneed to vent in case the electrode seal loses all its water when changing the valve.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-106	7/9/2022 8:08 AM	7/9/2022 8:09 AM	0:01	#7 and 8 CO Flare Stack	SSM	9-1 electrode seal sludge valve is sticky causing valve to stay open when sludging. We have already changed the actuator. Weneed to vent in case the electrode seal loses all its water when changing the valve.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-106	7/9/2022 5:55 AM	7/9/2022 2:18 PM	8:23	#7 CO Baghouse Bypass Stk	SSM	9-1 electrode seal sludge valve is sticky causing valve to stay open when sludging. We have already changed the actuator. Weneed to vent in case the electrode seal loses all its water when changing the valve.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-105	7/6/2022 6:00 AM	7/6/2022 10:29 AM	4:29	Dryer BH Stack	SSM	Maintenance	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-104	7/4/2022 6:03 AM	7/4/2022 6:04 AM	0:01	#7 and 8 CO Flare Stack	Upset	tri-centrics in Dept 10 closed.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-104	7/4/2022 3:07 AM	7/4/2022 3:08 AM	0:01	#7 and 8 CO Flare Stack	Upset	tri-centrics in Dept 10 closed.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-104	7/3/2022 5:36 AM	7/3/2022 5:38 AM	0:02	#7 and 8 CO Flare Stack	Upset	tri-centrics in Dept 10 closed.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-104	7/3/2022 5:36 AM	7/3/2022 5:38 AM	0:02	#9 CO Flare Stack	Upset	tri-centrics in Dept 10 closed.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-103	6/29/2022 9:00 PM	6/29/2022 10:00 PM	1:00	Kiln Hydrosonic Stacks	Upset	pH on the 502 scrubbing system briefly dropped below limit. Sometimes takes a bit to normalize after coming out of shutdown.	Operational parameter (4.6)	No quantities reported for any pollutant
2022-103	6/29/2022 8:00 AM	6/29/2022 11:00 AM	3:00	Kiln Hydrosonic Stacks	Upset	pH on the 502 scrubbing system briefly dropped below limit. Sometimes takes a bit to normalize after coming out of shutdown.	Operational parameter (4.6)	No quantities reported for any pollutant
2022-103	6/27/2022 9:00 PM	6/27/2022 11:00 PM	2:00	Kiln Hydrosonic Stacks	Upset	Yearly kiln outage to make repairs to the area. Some scrubbers had a couple issues coming back out of shutdown.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-102	6/25/2022 8:01 PM	6/25/2022 8:02 PM	0:01	#7 and 8 CO Flare Stack	Upset	Found a leak in the TO, shut system down in preparation of making a repair	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-102	6/25/2022 7:01 PM	6/25/2022 7:02 PM	0:01	#7 and 8 CO Flare Stack	Upset	Found a leak in the TO, shut system down in preparation of making a repair	Permit condition (7.25) flare use	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2022-102	6/25/2022 7:01 PM	6/25/2022 7:02 PM	0:01	#9 CO Flare Stack	Upset	Found a leak in the TO, shut system down in preparation of making a repair	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-101	6/23/2022 4:19 PM	6/23/2022 4:19 PM	0:00	#7 and 8 CO Flare Stack	Upset	Curtailed by power company and had to shut down the B Train on the T.O. Trying to bring the B Train back on and flared 7/8 and 9 flares stacks. Louvers on B stuck open due to CO pressure.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-101	6/23/2022 4:19 PM	6/23/2022 4:19 PM	0:00	#9 CO Flare Stack	Upset	Curtailed by power company and had to shut down the B Train on the T.O. Trying to bring the B Train back on and flared 7/8 and 9 flares stacks. Louvers on B stuck open due to CO pressure.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-101	6/23/2022 9:18 AM	6/23/2022 9:49 AM	0:31	#7 and 8 CO Flare Stack	Upset	Curtailed by power company and had to shut down the B Train on the T.O. Trying to bring the B Train back on and flared 7/8 and 9 flares stacks. Louvers on B stuck open due to CO pressure.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-101	6/23/2022 9:18 AM	6/23/2022 9:49 AM	0:31	#9 CO Flare Stack	Upset	Curtailed by power company and had to shut down the B Train on the T.O. Trying to bring the B Train back on and flared 7/8 and 9 flares stacks. Louvers on B stuck open due to CO pressure.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-100	6/22/2022 11:00 AM	6/23/2022 11:00 PM	36:00	Nodule Venturi Stack	SSM	Shutting venturi fan system down to do cleaning and work on hydro pump tank	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2022-099	6/21/2022 6:00 AM	6/23/2022 11:00 PM	65:00	#8 CO Baghouse Stack	SSM	Shutting down 7/8 baghouses to do switchover to new system	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-097	6/19/2022 9:17 PM	6/19/2022 9:18 PM	0:01	#7 and 8 CO Flare Stack	Upset	change in production due to dept 10 being in shutdown	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-097	6/16/2022 11:44 PM	6/16/2022 11:45 PM	0:01	#7 and 8 CO Flare Stack	Upset	change in production due to dept 10 being in shutdown	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-097	6/16/2022 8:49 AM	6/16/2022 8:50 AM	0:01	#7 and 8 CO Flare Stack	Upset	change in production due to dept 10 being in shutdown	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-097	6/15/2022 9:36 PM	6/15/2022 9:37 PM	0:01	#7 and 8 CO Flare Stack	Upset	change in production due to dept 10 being in shutdown	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-097	6/15/2022 9:36 PM	6/15/2022 9:37 PM	0:01	#9 CO Baghouse Bypass Stk	Upset	change in production due to dept 10 being in shutdown	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-097	6/15/2022 9:36 PM	6/15/2022 9:37 PM	0:01	#7 and 8 CO Flare Stack	Upset	change in production due to dept 10 being in shutdown	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-097	6/15/2022 9:36 PM	6/15/2022 9:37 PM	0:01	#9 CO Flare Stack	Upset	change in production due to dept 10 being in shutdown	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-097	6/13/2022 2:52 PM	6/13/2022 2:53 PM	0:01	#7 and 8 CO Flare Stack	Upset	change in production due to dept 10 being in shutdown	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-096	6/28/2022 11:00 PM	6/28/2022 11:59 PM	0:59	Nodule Venturi Stack	Upset	Yearly kiln outage to make repairs to the area. Some scrubbers had a couple issues coming back out of shutdown.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-096	6/15/2022 9:00 AM	6/15/2022 11:00 AM	2:00	Nodule Venturi Stack	Upset	Yearly kiln outage to make repairs to the area. Some scrubbers had a couple issues coming back out of shutdown.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-095	6/12/2022 3:07 AM	6/12/2022 3:08 AM	0:01	#7 and 8 CO Flare Stack	Upset	Tricentrics valve closed in dept. 10 causing all 3 furnaces to flare	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-095	6/12/2022 1:11 AM	6/12/2022 1:12 AM	0:01	#7 and 8 CO Flare Stack	Upset	Tricentrics valve closed in dept. 10 causing all 3 furnaces to flare	Permit condition (7.25) flare use	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2022-095	6/11/2022 11:25 PM	6/11/2022 11:26 PM	0:01	#7 and 8 CO Flare Stack	Upset	Tricentrics valve closed in dept. 10 causing all 3 furnaces to flare	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-095	6/11/2022 6:20 PM	6/11/2022 6:21 PM	0:01	#7 and 8 CO Flare Stack	Upset	Tricentrics valve closed in dept. 10 causing all 3 furnaces to flare	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-095	6/10/2022 5:22 PM	6/10/2022 5:24 PM	0:02	#7 and 8 CO Flare Stack	Upset	Tricentrics valve closed in dept. 10 causing all 3 furnaces to flare	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-095	6/10/2022 5:22 PM	6/10/2022 5:24 PM	0:02	#9 CO Baghouse Bypass Stk	Upset	Tricentrics valve closed in dept. 10 causing all 3 furnaces to flare	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-094	6/8/2022 11:46 AM	6/8/2022 11:11 PM	11:25	#7 CO Baghouse Bypass Stk	SSM	Baghouse inspections/Blacklight	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-094	6/8/2022 8:14 AM	6/9/2022 12:30 AM	16:16	#9 CO Baghouse Bypass Stk	SSM	Baghouse inspections/Blacklight	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-094	6/7/2022 1:48 PM	6/7/2022 3:25 PM	1:37	#8 CO Baghouse Bypass Stk	SSM	Baghouse inspections/Blacklight	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-093	6/6/2022 1:30 PM	6/6/2022 3:00 PM	1:30	Nodule Reclaim BH	SSM	repair guarding on the bag house fan.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-092	6/6/2022 6:30 AM	6/6/2022 9:00 AM	2:30	Scaleroom BH Stack	SSM	Blacklight baghouse and make any repairs found if needed.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-091	6/6/2022 8:00 AM	6/6/2022 9:00 AM	1:00	#104 BH Stack	SSM	Baghouse black light and possible repairs if needed.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-090	6/5/2022 9:00 PM	6/6/2022 3:00 AM	6:00	Kiln Hydrosonic Stacks	Upset	throats and sprays are built up and need to be clean	Operational parameter (4.7)	No quantities reported for any pollutant
2022-090	6/4/2022 11:00 AM	6/4/2022 6:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	throats and sprays are built up and need to be clean	Operational parameter (4.7)	No quantities reported for any pollutant
2022-089	6/2/2022 9:00 PM	6/3/2022 2:00 AM	5:00	Kiln Hydrosonic Stacks	Upset	Dp on #2 train was out of spec.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-089	6/2/2022 11:00 AM	6/2/2022 6:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	Dp on #2 train was out of spec.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-088	6/2/2022 1:20 PM	6/2/2022 3:55 PM	2:35	#105 BH Stack	Upset	Dusting from stacks	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-087	5/30/2022 4:44 AM	5/30/2022 4:46 AM	0:02	#7 and 8 CO Flare Stack	Upset	Dept. 10 lost power and the tricentrics valve shut causing the furnaces to flare	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-087	5/30/2022 1:56 AM	5/30/2022 1:57 AM	0:01	#7 and 8 CO Flare Stack	Upset	Dept. 10 lost power and the tricentrics valve shut causing the furnaces to flare	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-087	5/30/2022 1:56 AM	5/30/2022 1:57 AM	0:01	#9 CO Flare Stack	Upset	Dept. 10 lost power and the tricentrics valve shut causing the furnaces to flare	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-086	5/28/2022 12:00 PM	5/28/2022 1:00 PM	1:00	Kiln Hydrosonic Stacks	SSM	DP on #2 demister is high and needs to be replaced with a clean demister.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-085	5/25/2022 9:00 PM	5/26/2022 3:00 AM	6:00	Kiln Hydrosonic Stacks	Upset	#3 Kiln emission fan DPis out of range.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-084	5/25/2022 2:29 AM	5/25/2022 3:46 AM	1:17	#9 Vent Stack	Upset	Hot bus on #8 FCE possible plugged up #9 PRV	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-083	5/23/2022 8:20 AM	5/23/2022 2:25 PM	6:05	Dryer BH Stack	Upset	Dusting out the stack	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-082	5/19/2022 8:23 AM	5/19/2022 10:03 AM	1:40	#7 Vent Stack	SSM	Need to repair/replace demister line on 7 FCE	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-080	5/11/2022 7:28 AM	5/11/2022 11:51 AM	4:23	Nodule Reclaim BH	Upset	Black light on the 302 baghouse and fan inspection	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-079	5/11/2022 10:00 AM	5/11/2022 6:01 PM	8:01	Kiln Hydrosonic Stacks	SSM	plugged drain legs on KE train, had to shut down #4 train to complete repair.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-078	5/9/2022 4:47 PM	5/9/2022 4:51 PM	0:04	#7 and 8 CO Flare Stack	Upset	Flared on 7/8 and 9 during the previous shift, still trouble shooting the reason	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-078	5/9/2022 4:47 PM	5/9/2022 4:51 PM	0:04	#9 CO Flare Stack	Upset	Flared on 7/8 and 9 during the previous shift, still trouble shooting the reason	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-076	5/9/2022 8:17 AM	5/9/2022 7:22 PM	11:05	#7 Vent Stack	SSM	WE NEED TO VENT #7 FCE FOR NASH REPACKING AND THFC WORK	20% opacity limit (IDAPA § 625)	No opacity percentage reported

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2022-075	5/7/2022 5:00 PM	5/7/2022 6:00 PM	1:00	#9 THFC Stack	SSM	#9 THFC pressure drop	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-074	5/7/2022 9:00 AM	5/7/2022 3:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	Taking #1 and #4 fans down to clean throats and sprays on the kiln emission trains	Operational parameter (4.7)	No quantities reported for any pollutant
2022-074	5/6/2022 11:00 PM	5/7/2022 2:00 AM	3:00	Kiln Hydrosonic Stacks	Upset	Taking #1 and #4 fans down to clean throats and sprays on the kiln emission trains	Operational parameter (4.7)	No quantities reported for any pollutant
2022-073	5/3/2022 8:00 AM	5/4/2022 1:00 AM	17:00	Kiln Hydrosonic Stacks	Upset	#4 Kiln emission fan is off for a boot repair/replacement	Operational parameter (4.7)	No quantities reported for any pollutant
2022-072	5/2/2022 9:00 AM	5/2/2022 12:00 PM	3:00	Kiln Hydrosonic Stacks	Upset	#3 kiln emission outlet demister dp reading is high	Operational parameter (4.7)	No quantities reported for any pollutant
2022-071	4/28/2022 2:00 PM	4/28/2022 8:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	DP on #2 demister in alarm.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-070	4/26/2022 6:34 PM	4/27/2022 1:24 PM	18:50	#9 CO Baghouse Bypass Stk	SSM	Scheduled Maintenance to replace bearings on 9 CObaghouse fan	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-068	4/25/2022 8:00 AM	5/1/2022 11:04 AM	147:04	Nodule Venturi Stack	SSM	Venturi fan housing and stack has several leaks and need work	Requirement to operate equipment (6.3)	No quantities reported for any pollutant
2022-066	4/15/2022 12:51 AM	4/15/2022 3:09 AM	2:18	#7 Vent Stack	Upset	Lost plant air pressure, caused all 3 furnaces to flare, all three furnaces were vented until air pressure can be restored for process control	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-066	4/15/2022 12:49 AM	4/15/2022 5:21 AM	2:18	#8 Vent Stack	Upset	Lost plant air pressure, caused all 3 furnaces to flare, all three furnaces were vented until air pressure can be restored for process control	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-066	4/15/2022 12:42 AM	4/15/2022 6:22 AM	4:32	#9 Vent Stack	Upset	Lost plant air pressure, caused all 3 furnaces to flare, all three furnaces were vented until air pressure can be restored for process control	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-066	4/15/2022 12:42 AM	4/19/2022 3:34 PM	5:40	Scaleroom BH Stack	Upset	Operator noticed scaleroom baghouse was dusting.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-066	4/15/2022 12:39 AM	4/15/2022 12:40 AM	110:52	#9 CO Flare Stack	Upset	Lost plant air pressure, caused all 3 furnaces to flare, all three furnaces were vented until air pressure can be restored for process control	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-066	4/15/2022 12:37 AM	4/15/2022 12:51 AM	0:14	#7 Emerg CO Flare Stk	Upset	Lost plant air pressure, caused all 3 furnaces to flare, all three furnaces were vented until air pressure can be restored for process control	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-066	4/15/2022 12:37 AM	4/15/2022 12:49 AM	0:12	#8 Emerg CO Flare Stk	Upset	Lost plant air pressure, caused all 3 furnaces to flare, all three furnaces were vented until air pressure can be restored for process control	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-066	4/15/2022 12:26 AM	4/15/2022 6:15 AM	5:49	#8 CO Baghouse Bypass Stk	Upset	Lost plant air pressure, caused all 3 furnaces to flare, all three furnaces were vented until air pressure can be restored for process control	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-064	4/13/2022 10:00 AM	4/13/2022 2:15 PM	4:15	#105 BH Stack	SSM	blacklight baghouse	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-063	4/12/2022 7:32 AM	4/12/2022 3:24 PM	7:52	Main Stock BH Stack	Upset	Baghouse was found dusting while bags were pulsating	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-062	4/13/2022 7:00 AM	4/13/2022 5:00 PM	10:00	SDM Vent Stack	Upset	black light baghouse	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-061	4/14/2022 11:00 AM	4/14/2022 2:00 PM	3:00	Kiln Hydrosonic Stacks	SSM	demisters were changed	Operational parameter (4.7)	No quantities reported for any pollutant
2022-061	4/12/2022 12:00 PM	4/12/2022 10:00 PM	10:00	Kiln Hydrosonic Stacks	SSM	demisters were changed	Operational parameter (4.7)	No quantities reported for any pollutant
2022-060	4/8/2022 1:00 AM	4/8/2022 2:00 AM	1:00	Kiln Hydrosonic Stacks	Upset	ph probes not reading correctly on the 4500 tank, ph got down below the 6.1 ph threshold.	Operational parameter (4.6)	No quantities reported for any pollutant
2022-059	4/7/2022 9:00 AM	4/7/2022 10:00 PM	13:00	Kiln Hydrosonic Stacks	SSM	build up kiln emission throat and sprays, took fan down to clean.	Operational parameter (4.7)	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2022-058	4/6/2022 8:00 AM	4/6/2022 2:00 PM	6:00	#8 THFC Stack	Upset	Recirc Pump running too much pressure/flow causing overload which in turn tripped fan.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-058	4/6/2022 5:19 AM	4/6/2022 6:00 AM	0:41	#8 THFC Stack	Upset	Recirc Pump Tripped which caused Fan to trip off	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-057	4/7/2022 10:45 AM	4/7/2022 12:44 PM	1:59	#9 Vent Stack	SSM	pressure control issues, had to vent #9 furnace during repair.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-057	4/6/2022 6:35 AM	4/6/2022 2:25 PM	7:50	#9 Vent Stack	SSM	pressure control issues, had to vent #9 furnace during repair.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-056	4/7/2022 9:00 AM	4/7/2022 8:00 PM	11:00	Kiln Hydrosonic Stacks	SSM	build up kiln emission throat and sprays. Throats and sprays were cleaned and brought trains back online.	Operational parameter (4.7)	No quantities reported for any pollutant
2022-055	4/5/2022 11:00 AM	4/5/2022 6:00 PM	7:00	#8 THFC Stack	SSM	#8 THFC Recirc Pump has a bearing failing causing vibrations	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-054	4/1/2022 4:00 PM	4/1/2022 7:00 PM	3:00	#8 THFC Stack	Upset	The #8 THFC Recirc pump packing is leaking and needs to be shut off to be repaired.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-054	3/31/2022 12:00 PM	3/31/2022 2:00 PM	2:00	#8 THFC Stack	Upset	The #8 THFC Recirc pump packing is leaking and needs to be shut off to be repaired.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-053	3/28/2022 11:45 AM	3/28/2022 3:00 PM	3:15	#105 BH Stack	Upset	Bearings are bad on fan and need to be changed out.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-052	3/30/2022 2:25 AM	3/30/2022 5:12 PM	14:47	#9 CO Baghouse Bypass Stk	Upset	9 Bag house DP Set point PV Mismatch high alarm	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-052	3/29/2022 11:09 PM	3/29/2022 11:35 PM	0:26	#9 CO Baghouse Bypass Stk	Upset	9 Bag house DP Set point PV Mismatch high alarm	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-052	3/29/2022 2:05 AM	3/29/2022 2:37 AM	0:32	#9 CO Baghouse Bypass Stk	Upset	9 Bag house DP Set point PV Mismatch high alarm	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-052	3/28/2022 6:45 PM	3/28/2022 7:15 PM	0:30	#9 CO Baghouse Bypass Stk	Upset	9 Bag house DP Set point PV Mismatch high alarm	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-052	3/28/2022 12:41 PM	3/28/2022 12:46 PM	0:05	#9 CO Baghouse Bypass Stk	Upset	9 Bag house DP Set point PV Mismatch high alarm	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-052	3/28/2022 10:37 AM	3/28/2022 11:19 AM	0:42	#9 CO Baghouse Bypass Stk	Upset	9 Bag house DP Set point PV Mismatch high alarm	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-052	3/28/2022 1:24 AM	3/28/2022 1:49 AM	0:25	#9 CO Baghouse Bypass Stk	Upset	9 Bag house DP Set point PV Mismatch high alarm	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-052	3/27/2022 6:50 PM	3/27/2022 7:33 PM	0:43	#9 CO Baghouse Bypass Stk	Upset	9 Bag house DP Set point PV Mismatch high alarm	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-052	3/27/2022 10:47 AM	3/27/2022 11:37 AM	0:50	#9 CO Baghouse Bypass Stk	Upset	9 Bag house DP Set point PV Mismatch high alarm	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-051	3/26/2022 11:00 AM	3/26/2022 9:00 PM	10:00	Kiln Hydrosonic Stacks	Upset	Demisters need changed	Operational parameter (4.7)	No quantities reported for any pollutant
2022-049	3/22/2022 9:00 AM	3/24/2022 10:00 AM	49:00	Kiln Hydrosonic Stacks	SSM	Clean throats and sprays taking #4 train off line working on Mercury project	Operational parameter (4.7)	No quantities reported for any pollutant
2022-049	3/21/2022 11:00 AM	3/21/2022 6:00 PM	7:00	Kiln Hydrosonic Stacks	SSM	Clean throats and sprays taking #4 train off line working on Mercury project	Operational parameter (4.7)	No quantities reported for any pollutant
2022-048	3/20/2022 7:00 PM	3/21/2022 12:01 AM	5:01	Kiln Hydrosonic Stacks	Upset	Soda Ash was plugged while operator was working on drum cloth and didn't get the soda ash unplugged until after the filter drum was running again causing PH to drop below the operating parameter.	Operational parameter (4.6)	No quantities reported for any pollutant
2022-047	3/17/2022 8:00 AM	3/17/2022 10:00 PM	14:00	Kiln Hydrosonic Stacks	Upset	We are doing maintenance on #4 and #3 kiln emission fans	Operational parameter (4.7)	No quantities reported for any pollutant
2022-046	3/18/2022 10:25 PM	3/18/2022 10:26 PM	0:01	#7 CO Baghouse Bypass Stk	SSM	Planned maintenance to install two perforated cages in 9 Baghouse.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-046	3/16/2022 7:55 AM	3/16/2022 3:00 PM	7:05	#9 CO Baghouse Bypass Stk	SSM	Planned maintenance to install two perforated cages in 9 Baghouse.	20% opacity limit (IDAPA § 625)	No opacity percentage reported

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2022-045	3/15/2022 11:00 AM	3/15/2022 7:00 PM	8:00	Kiln Hydrosonic Stacks	SSM	DP's on #2 and #3 outlet demisters are out of range and demisters need to be replaced with clean ones	Operational parameter (4.7)	No quantities reported for any pollutant
2022-044	3/15/2022 7:30 AM	3/15/2022 8:00 AM	0:30	Coke Handling Baghouse Stack	SSM	Baghouse Tech to do a black light inspection on the baghouse.	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-043	3/13/2022 4:09 PM	3/13/2022 4:16 PM	0:07	#8 Vent Stack	Upset	Vented to replace pressure control piping	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-042	3/10/2022 1:19 AM	3/10/2022 1:20 AM	0:01	#7 and 8 CO Flare Stack	Upset	Removed B Train of the Thermal Oxidizer, due to stocking stock bin indication fault requiring furnace to be shut off for maintenance. While B train was off CO imbalance caused brief flaring.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-042	3/8/2022 5:52 PM	3/8/2022 5:54 PM	0:02	#7 and 8 CO Flare Stack	Upset	Removed B Train of the Thermal Oxidizer, due to stocking stock bin indication fault requiring furnace to be shut off for maintenance. While B train was off CO imbalance caused brief flaring.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-042	3/8/2022 5:52 PM	3/8/2022 5:54 PM	0:02	#9 CO Flare Stack	Upset	Removed B Train of the Thermal Oxidizer, due to stocking stock bin indication fault requiring furnace to be shut off for maintenance. While B train was off CO imbalance caused brief flaring.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-042	3/8/2022 5:40 PM	3/8/2022 5:41 PM	0:01	#7 and 8 CO Flare Stack	Upset	Removed B Train of the Thermal Oxidizer, due to stocking stock bin indication fault requiring furnace to be shut off for maintenance. While B train was off CO imbalance caused brief flaring.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-042	3/8/2022 5:40 PM	3/8/2022 5:41 PM	0:01	#9 CO Flare Stack	Upset	Removed B Train of the Thermal Oxidizer, due to stocking stock bin indication fault requiring furnace to be shut off for maintenance. While B train was off CO imbalance caused brief flaring.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-042	3/5/2022 8:30 PM	3/5/2022 8:31 PM	0:01	#9 CO Flare Stack	Upset	Removed B Train of the Thermal Oxidizer, due to stocking stock bin indication fault requiring furnace to be shut off for maintenance. While B train was off CO imbalance caused brief flaring.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-041	3/3/2022 9:32 AM	3/3/2022 9:33 AM	0:01	#7 and 8 CO Flare Stack	SSM	Furnaces will be vented to make repairs to CO systems while doing CO pressure checks we found a large leak in #9 1B treater and a small leak on #7's crossover.	20% opacity limit (IDAPA § 625) Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-041	3/3/2022 9:32 AM	3/3/2022 9:33 AM	0:01	#9 CO Flare Stack	SSM	Furnaces will be vented to make repairs to CO systems while doing CO pressure checks we found a large leak in #9 1B treater and a small leak on #7's crossover.	20% opacity limit (IDAPA § 625) Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-041	3/3/2022 9:26 AM	3/3/2022 1:59 PM	4:33	#7 Vent Stack	SSM	Furnaces will be vented to make repairs to CO systems while doing CO pressure checks we found a large leak in #9 1B treater and a small leak on #7's crossover.	20% opacity limit (IDAPA § 625) Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-041	3/2/2022 3:20 PM	3/2/2022 3:24 PM	0:04	#7 and 8 CO Flare Stack	SSM	Furnaces will be vented to make repairs to CO systems while doing CO pressure checks we found a large leak in #9 1B treater and a small leak on #7's crossover.	20% opacity limit (IDAPA § 625) Permit condition (7.25) flare use	No quantities reported for any pollutant

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2022-041	3/2/2022 2:55 AM	3/3/2022 4:01 AM	25:06	#9 Vent Stack	SSM	Furnaces will be vented to make repairs to CO systems while doing CO pressure checks we found a large leak in #9 1B treater and a small leak on #7's crossover.	20% opacity limit (IDAPA § 625) Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-040	3/1/2022 10:00 AM	3/1/2022 6:00 PM	8:00	Nodule Cooler Spray Tower Stack	Upset	Cooler tower flow dropped off again, we think we have a blockage in the return line by #4 pair.	Operational parameter (4.8)	No quantities reported for any pollutant
2022-039	2/28/2022 3:00 PM	2/28/2022 4:00 PM	1:00	Kiln Hydrosonic Stacks	Upset	Throats and sprays need cleaned causing draft issues	Operational parameter (4.7)	No quantities reported for any pollutant
2022-038	2/23/2022 8:05 AM	2/23/2022 4:20 PM	8:15	#8 CO Baghouse Bypass Stk	Upset	Operator ran the backup fan as part of his checks and did not shut the fan back off	20% opacity limit (IDAPA § 625)	No opacity percentage reported
2022-037	2/23/2022 1:00 PM	2/23/2022 8:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	#3 hydrosonic stack will be take down today due to the DP has been creeping down -2.8 and will hit are limit soon.	Operational parameter (Tier 1 permit)	No quantities reported for any pollutant
2022-036	2/23/2022 2:00 PM	2/23/2022 6:00 PM	4:00	#8 THFC Stack	SSM	Seal on the Hobson tank pump needs to be replaced	Operational parameter (Tier 1 permit)	No quantities reported for any pollutant
2022-034	2/20/2022 4:55 PM	2/20/2022 6:07 PM	1:12	#9 Vent Stack	Upset	Dept 10 fan on Ore Feeder Motor went out and TO dropped below 1656 in temp causing a creation of more CO than could be processed.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-033	2/19/2022 9:00 PM	2/20/2022 2:00 AM	5:00	Kiln Hydrosonic Stacks	Upset	Build up in throats plugged sprays. 2/19/22 High DP reading on #2 outlet demister	Operational parameter (Tier 1 permit)	No quantities reported for any pollutant
2022-033	2/18/2022 10:00 AM	2/18/2022 5:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	Build up in throats plugged sprays. 2/19/22 High DP reading on #2 outlet demister	Operational parameter (Tier 1 permit)	No quantities reported for any pollutant
2022-032	2/14/2022 10:03 AM	2/14/2022 3:45 PM	5:42	Scaleroom BH Stack	SSM	Need to replace bags	Permit condition (5.4.1) flare use	No quantities reported for any pollutant
2022-031	2/15/2022 7:55 AM	2/15/2022 8:46 AM	0:51	Main Stock BH Stack	SSM	Vent #7 and wash treaters. Shut down baghouses for black light/maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-031	2/14/2022 9:57 AM	2/16/2022 9:57 AM	48:00	#7 Vent Stack	SSM	Vent #7 and wash treaters. Shut down baghouses for black light/maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-029	2/10/2022 11:13 PM	2/10/2022 11:16 PM	0:03	#7 and 8 CO Flare Stack	Upset	Dept. 10 temporarily lost power. Causing their tridentrics to shut and the furnaces to flare.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-029	2/10/2022 11:13 PM	2/10/2022 11:16 PM	0:03	#9 CO Flare Stack	Upset	Dept. 10 temporarily lost power. Causing their tridentrics to shut and the furnaces to flare.	Permit condition (7.25) flare use	No quantities reported for any pollutant
2022-028	2/14/2022 3:20 PM	2/15/2022 3:35 PM	24:15	Nodule Venturi Stack	SSM	Taking the venturi fan down to water blast the spay box above the wetted elbow due to build up of material.	Operational parameter (Tier 1 permit)	No quantities reported for any pollutant
2022-028	2/11/2022 7:25 AM	2/14/2022 2:30 PM	79:05	Nodule Venturi Stack	SSM	Taking the venturi fan down to water blast the spay box above the wetted elbow due to build up of material.	Operational parameter (Tier 1 permit)	No quantities reported for any pollutant
2022-027	2/10/2022 9:10 AM	2/10/2022 9:31 AM	0:21	#9 Vent Stack	Upset	PRV manual valve handle position is not true to actual valve postion. Operator note that valve and handle position have changed over time.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-026	2/10/2022 6:40 AM	2/10/2022 11:11 AM	4:31	#8 CO Baghouse Bypass Stk	Upset	Baghouse dusting Black light #8 baghouse	20% opacity limit (IDAPA § 625)	No opacity percentage reported

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2022-025	2/9/2022 1:00 PM	2/9/2022 7:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	kiln draft was getting lower than we like	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-025	2/9/2022 5:00 AM	2/9/2022 12:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	kiln draft was getting lower than we like	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-025	2/9/2022 1:00 AM	2/9/2022 3:00 AM	2:00	Kiln Hydrosonic Stacks	Upset	kiln draft was getting lower than we like	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-024	2/9/2022 12:00 PM	2/9/2022 7:00 PM	7:00	#8 THFC Stack	SSM	We need to vnt #9 furnace for planned work #9 Baghouse needs to be off for planned work #8 THFC valve needs to be replaced	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-024	2/9/2022 11:22 AM	2/9/2022 4:48 PM	5:26	#9 CO Baghouse Bypass Stk	SSM	We need to vnt #9 furnace for planned work #9 Baghouse needs to be off for planned work #8 THFC valve needs to be replaced	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-024	2/9/2022 10:04 AM	2/9/2022 5:57 PM	7:53	#9 Vent Stack	SSM	We need to vnt #9 furnace for planned work #9 Baghouse needs to be off for planned work #8 THFC valve needs to be replaced	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-022	2/7/2022 9:52 AM	2/7/2022 2:04 PM	4:12	#7 CO Baghouse Bypass Stk	Upset	Inspection of ducting to the dust collector may require shitting off fan	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-021	2/3/2022 2:00 PM	2/3/2022 3:00 PM	1:00	Kiln Hydrosonic Stacks	Upset	Took #1 train down to clean throats and sprays to help with draft on the kiln. #4 Train still having some problems.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-021	2/2/2022 7:00 PM	2/2/2022 9:00 PM	2:00	Kiln Hydrosonic Stacks	Upset	Took #1 train down to clean throats and sprays to help with draft on the kiln. #4 Train still having some problems.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-021	2/2/2022 7:00 AM	2/4/2022 8:00 PM	61:00	Kiln Hydrosonic Stacks	Upset	Took #1 train down to clean throats and sprays to help with draft on the kiln. #4 Train still having some problems.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-020	2/1/2022 11:00 AM	2/1/2022 6:00 PM	7:00	#8 THFC Stack	SSM	troubleshoot vibrations in THFC recip pump and piping	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-019	1/28/2022 3:30 PM	2/1/2022 11:59 PM	104:29	Kiln Hydrosonic Stacks	Upset	We are having to take the kiln off periodically. This hase caused some operating parameters for scrubbers to be off a little. So far just the cooler spray tower had a low flow for a couple of hours. Will update if any other scrubbers are affected by these kiln issues. Took #4 fan off line	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2022-019	1/27/2022 8:00 AM	1/27/2022 11:00 AM	3:00	Nodule Cooler Spray Tower Stack	Upset	We are having to take the kiln off periodically. This has caused some operating parameters for scrubbers to be off a little. So far just the cooler spray tower had a low flow for a couple of hours. Will update if any other scrubbers are affected by these kiln issues. Took #4 fan off line	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-018	2/3/2022 12:33 AM	2/3/2022 12:34 AM	0:01	#9 CO Flare Stack	Upset	cold weather conditions effecting equipment	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-018	1/28/2022 6:36 AM	1/28/2022 6:37 AM	0:01	#7 and 8 CO Flare Stack	Upset	cold weather conditions effecting equipment	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-018	1/28/2022 6:00 AM	1/28/2022 1:00 PM	7:00	#8 THFC Stack	Upset	cold weather conditions effecting equipment	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-018	1/27/2022 11:30 PM	1/28/2022 2:00 AM	2:30	#8 CO Baghouse Bypass Stk	Upset	cold weather conditions effecting equipment	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-018	1/27/2022 4:08 PM	1/27/2022 4:09 PM	0:01	#7 and 8 CO Flare Stack	Upset	cold weather conditions effecting equipment	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-018	1/27/2022 4:08 PM	1/27/2022 4:09 PM	0:01	#9 CO Flare Stack	Upset	cold weather conditions effecting equipment	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-018	1/27/2022 3:38 PM	1/27/2022 3:39 PM	0:01	#7 and 8 CO Flare Stack	Upset	cold weather conditions effecting equipment	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-018	1/27/2022 3:38 PM	1/27/2022 3:39 PM	0:01	#9 CO Flare Stack	Upset	cold weather conditions effecting equipment	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-018	1/27/2022 2:39 PM	1/27/2022 2:40 PM	0:01	#7 and 8 CO Flare Stack	Upset	cold weather conditions effecting equipment	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-018	1/27/2022 2:39 PM	1/27/2022 2:40 PM	0:01	#9 CO Flare Stack	Upset	cold weather conditions effecting equipment	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-017	1/26/2022 12:11 PM	1/26/2022 12:12 PM	0:01	#7 and 8 CO Flare Stack	Upset	furnace CO gas production exceeded Thermal oxidizer capacity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2022-017	1/26/2022 12:11 PM	1/26/2022 12:12 PM	0:01	#9 CO Flare Stack	Upset	furnace CO gas production exceeded Thermal oxidizer capacity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-016	1/25/2022 6:30 PM	1/26/2022 2:07 PM	19:37	Scaleroom BH Stack	Upset	Baghouse dusting need to check bags and make repairs as needed	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-015	1/27/2022 7:30 AM	1/27/2022 8:30 AM	1:00	Nodule Reclaim BH	SSM	PM black light	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-014	1/25/2022 10:05 AM	1/25/2022 12:24 PM	2:19	#9 Vent Stack	SSM	We are having pressure control swings and we need to diagnose and fix this issue	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-013	1/25/2022 12:00 AM	1/25/2022 6:00 AM	6:00	Kiln Hydrosonic Stacks	Upset	High DP on demister also plugged separator	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-013	1/24/2022 12:00 PM	1/24/2022 8:00 PM	8:00	Kiln Hydrosonic Stacks	Upset	High DP on demister also plugged separator	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-012	1/17/2022 9:00 AM	1/19/2022 3:45 PM	54:45	Scaleroom BH Stack	Upset	Scaleroom bag house dusting	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-011	1/19/2022 10:00 AM	1/19/2022 12:00 PM	2:00	#8 CO Baghouse Bypass Stk	SSM	Core needs to blacklight the baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-010	1/19/2022 2:00 PM	1/19/2022 8:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	Need to clean throats and sprays	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-010	1/18/2022 10:00 PM	1/18/2022 11:00 PM	1:00	Kiln Hydrosonic Stacks	Upset	Need to clean throats and sprays	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-010	1/18/2022 3:00 AM	1/18/2022 5:00 AM	2:00	Kiln Hydrosonic Stacks	Upset	Need to clean throats and sprays	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-009	1/16/2022 11:00 AM	1/16/2022 11:24 AM	0:24	#8 CO Baghouse Bypass Stk	Upset	Instruments frosted up and caused the main baghouse fan to kick off and caused the backup fan to start	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-009	1/15/2022 7:24 AM	1/15/2022 8:06 AM	0:42	#8 CO Baghouse Bypass Stk	Upset	Instruments frosted up and caused the main baghouse fan to kick off and caused the backup fan to start	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2022-008	1/14/2022 11:00 AM	1/14/2022 6:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	The dps on #3 outlet demister have reached the limits to where we need to change the demister	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-007	1/11/2022 11:21 AM	1/11/2022 12:43 PM	1:22	#9 Vent Stack	Upset	Pressure control issues mismatch with the roof you tube reading and ProVox Delta V by over an inch	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-006	1/11/2022 7:30 AM	1/11/2022 10:00 AM	2:30	#105 BH Stack	SSM	Baghouse was taken offline because the baghouse was not building pressure. Inspection completed and repairs were made.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-005	1/10/2022 11:00 AM	1/10/2022 5:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	#2 train flows are low	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-005	1/8/2022 2:00 PM	1/8/2022 8:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	#2 train flows are low	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-005	1/8/2022 8:00 AM	1/8/2022 9:00 AM	1:00	Kiln Hydrosonic Stacks	Upset	#2 train flows are low	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-004	1/10/2022 10:28 AM	1/10/2022 2:53 PM	4:25	#9 CO Baghouse Bypass Stk	SSM	Need to check baghouse for dusting/leaks	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-003	1/5/2022 9:00 AM	1/5/2022 8:00 PM	11:00	Kiln Hydrosonic Stacks	Upset	dp out of limit #3 demister, water balance s02 low ph	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-002	1/1/2022 9:00 PM	1/2/2022 3:00 AM	6:00	Kiln Hydrosonic Stacks	Upset	We are getting a high Dp reading on the throats #2 train	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2022-001	12/31/2021 7:30 AM	1/1/2022 7:23 AM	23:53	#8 CO Baghouse Bypass Stk	Upset	The instrumentation lines froze on the #8 CO baghouse shutting down fan	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-208	12/29/2021 6:00 AM	1/4/2022 4:00 PM	154:00	Dryer BH Stack	Upset	Dusting from the Dryer baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-207	12/27/2021 9:47 AM	12/27/2021 11:30 AM	1:43	#9 Vent Stack	Upset	pressure control problems	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-206	12/26/2021 2:00 PM	12/26/2021 4:00 PM	2:00	Kiln Hydrosonic Stacks	SSM	Dirty throats and sprays.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-205	12/22/2021 2:40 PM	12/30/2021 4:00 PM	193:20	Scaleroom BH Stack	Upset	Dusting from stack	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-205	12/19/2021 8:00 AM	12/21/2021 2:00 AM	42:00	Scaleroom BH Stack	Upset	Dusting from stack	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-204	12/22/2021 12:00 PM	12/22/2021 3:00 PM	3:00	#9 THFC Stack	Upset	Needed to replace THFC recirculation pump	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-203	12/21/2021 7:00 PM	12/22/2021 1:00 AM	6:00	Kiln Hydrosonic Stacks	SSM	Throats and sprays are in need of cleaning on kiln emissions trains	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-202	12/21/2021 9:30 AM	12/21/2021 9:32 AM	0:02	#9 CO Flare Stack	SSM	Need to replace/repair sludge line piping on #8 Furnace	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-202	12/21/2021 7:43 AM	12/21/2021 7:44 AM	0:01	#9 CO Flare Stack	SSM	Need to replace/repair sludge line piping on #8 Furnace	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-202	12/21/2021 6:52 AM	12/21/2021 12:48 PM	5:56	#8 Vent Stack	SSM	Need to replace/repair sludge line piping on #8 Furnace	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-201	12/20/2021 3:05 PM	12/21/2021 4:32 PM	25:27	#9 Vent Stack	Upset	Found hole in CO main piping, Vented furnace in order to repair	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-199	12/18/2021 5:31 AM	12/18/2021 5:34 AM	0:03	#7 and 8 CO Flare Stack	Upset	Flared because of working on instrumentation/flare taps. Kiln quit taking gas, TO was not ready causing us to flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-199	12/18/2021 5:31 AM	12/18/2021 5:34 AM	0:03	#9 CO Flare Stack	Upset	Flared because of working on instrumentation/flare taps. Kiln quit taking gas, TO was not ready causing us to flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-199	12/16/2021 9:27 AM	12/16/2021 9:28 AM	0:01	#9 CO Flare Stack	Upset	Flared because of working on instrumentation/flare taps. Kiln quit taking gas, TO was not ready causing us to flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-198	12/15/2021 11:00 AM	12/15/2021 5:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	#2 demister DP went high	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-197	12/14/2021 9:00 AM	12/16/2021 4:00 PM	55:00	Dryer BH Stack	Upset	Seeing dust coming out of bag house when drying coke.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-195	12/14/2021 6:00 AM	12/14/2021 12:01 PM	6:01	#105 BH Stack	SSM	PM and black light on the baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-194	12/15/2021 8:30 AM	12/15/2021 3:00 PM	6:30	Scaleroom BH Stack	Upset	Baghouse is dusting and filters are on order and havent arrived yet	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-193	12/08/2021 7:45 AM	12/08/2021 4:18 PM	8:33	#9 CO Baghouse Bypass Stk	SSM	Scheduled Maintenance 9211/9212 Baghouse Systems	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-192	12/08/2021 8:00 PM	12/09/2021 3:00 AM	7:00	Kiln Hydrosonic Stacks	Upset	Low flow on hydrosonic	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-192	12/03/2021 3:00 PM	12/03/2021 9:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	Low flow on hydrosonic	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-191	12/01/2021 8:01 PM	12/01/2021 8:01 PM	0:00	#7 and 8 CO Flare Stack	Upset	#8 baghouse fan tripped off, running through the backup	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-191	12/01/2021 8:01 PM	12/01/2021 8:01 PM	0:00	#9 CO Flare Stack	Upset	#8 baghouse fan tripped off, running through the backup	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-191	12/01/2021 6:03 AM	12/01/2021 9:34 AM	3:31	#8 CO Baghouse Bypass Stk	Upset	#8 baghouse fan tripped off, running through the backup	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-190	12/01/2021 9:00 PM	12/02/2021 3:00 AM	6:00	Kiln Hydrosonic Stacks	Upset	Demister needs changed on #1 kiln emission fan	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-190	11/30/2021 12:00 PM	11/30/2021 3:00 PM	3:00	Kiln Hydrosonic Stacks	Upset	Demister needs changed on #1 kiln emission fan	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-189	12/01/2021 6:41 AM	12/01/2021 1:17 PM	6:36	#9 CO Baghouse Bypass Stk	SSM	Vent to change 9-3 separator valve; Make repairs to new #9 CO baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-189	12/01/2021 6:07 AM	12/01/2021 1:10 PM	7:03	#9 Vent Stack	SSM	Vent to change 9-3 separator valve; Make repairs to new #9 CO baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-188	11/29/2021 7:15 AM	11/29/2021 7:22 AM	0:07	#7 and 8 CO Flare Stack	Upset	Switching spray pumps, nashes lost enough seal water that we lost pressure control	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-187	11/26/2021 10:00 PM	11/27/2021 1:00 AM	3:00	Kiln Hydrosonic Stacks	Upset	Low primary spray flow reading on #1 venturi	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-186	11/23/2021 8:01 AM	11/26/2021 10:00 PM	85:59	Dryer BH Stack	Upset	Dusting	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-183	11/24/2021 2:35 PM	11/24/2021 2:53 PM	0:18	#7 and 8 CO Flare Stack	SSM	Hole in treater tube	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-183	11/23/2021 10:39 AM	11/25/2021 10:39 AM	48:00	#7 Vent Stack	SSM	Hole in treater tube	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-182	11/23/2021 12:00 PM	11/23/2021 9:00 PM	9:00	Kiln Hydrosonic Stacks	SSM	Low DP on #3 train	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-182	11/22/2021 10:00 AM	11/22/2021 1:00 PM	3:00	Kiln Hydrosonic Stacks	SSM	Low DP on #3 train	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-181	11/20/2021 8:00 PM	11/21/2021 2:00 AM	6:00	Kiln Hydrosonic Stacks	Upset	Low draft	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-181	11/20/2021 12:00 PM	11/20/2021 3:00 PM	3:00	Kiln Hydrosonic Stacks	Upset	Low draft	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-180	11/20/2021 4:39 AM	11/20/2021 4:40 AM	0:01	#9 CO Flare Stack	Upset	Instrumentation, flare pressure tap plugged	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-179	11/17/2021 7:45 AM	11/17/2021 8:20 AM	0:35	#7 CO Baghouse Bypass Stk	SSM	Test and adjust instrumentation on stock tubes	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-178	11/15/2021 9:12 AM	11/15/2021 10:42 AM	1:30	#7 Vent Stack	SSM	Venting for repairs to the CO main	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-176	11/09/2021 1:48 PM	11/09/2021 3:09 PM	1:21	#9 CO Baghouse Bypass Stk	SSM	Planned maintenance on #9 baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-175	11/08/2021 9:00 PM	11/08/2021 11:00 PM	2:00	Kiln Hydrosonic Stacks	Upset	Time to change out the demister and check sprays. Low flows on #1	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-174	11/13/2021 11:00 AM	11/14/2021 5:00 AM	18:00	Dryer BH Stack	Upset	Dryer is dusting while running	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-173	11/08/2021 9:00 AM	11/08/2021 6:00 PM	9:00	Nodule Venturi Stack	SSM	Duct work needs repaired	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-172	10/30/2021 1:00 AM	11/09/2021 1:00 PM	252:00	Kiln Hydrosonic Stacks	Upset	Low dP on Hydrosonics	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-171	11/3/2021 6:59 AM	11/3/2021 9:39 AM	2:40	#8 CO Baghouse Bypass Stk	Upset	#8 baghouse fan tripped off because of a plugged pressure switch orifice	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-170	11/3/2021 12:00 PM	11/4/2021 11:00 AM	23:00	Nodule Venturi Stack	Upset	We have holes in the venturi duct work that needs repaired	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-169	10/29/2021 10:30 AM	10/29/2021 12:00 PM	1:30	Kiln Hydrosonic Stacks	Upset	Throats and sprays needed cleaned	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-167	10/28/2021 11:00 AM	10/30/2021 2:00 PM	51:00	Nodule Venturi Stack	SSM	High fan vibrations on fan	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-166	10/28/2021 9:30 AM	10/28/2021 9:50 AM	0:20	#104 BH Stack	SSM	PM bag house black light	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-165	10/24/2021 6:57 PM	10/24/2021 8:00 PM	1:03	#8 THFC Stack	Upset	Check pump impeller for blockage	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-164	10/25/2021 7:00 AM	10/25/2021 4:00 PM	9:00	Scaleroom BH Stack	SSM	Baghouse inspection	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-163	10/21/2021 1:00 PM	10/21/2021 5:30 PM	4:30	Kiln Hydrosonic Stacks	Upset	Lime feeder issues, causing Ph in 4500 below 6.1	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-162	10/17/2021 10:00 PM	11/2/2021 11:00 PM	385:00	Nodule Reclaim BH	Upset	Working on baffles in the baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-161	10/21/2021 8:41 AM	10/21/2021 10:33 AM	1:52	#8 CO Baghouse Bypass Stk	SSM	Black lighting 800 and 1012 baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-160	10/16/2021 6:15 AM	10/16/2021 11:06 AM	4:51	#9 Vent Stack	Upset	Pressure control issues with #9 we vented furnace to rod out pressure taps and trouble shoot pressure control instrumentation for #9	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-159	10/15/2021 4:10 PM	10/16/2021 4:00 AM	11:50	#9 Vent Stack	SSM	Shut down 9 furnace due to the coke feeder not providing enough coke to supply both 8 and 9 furnaces	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-158	10/15/2021 12:00 AM	10/15/2021 2:00 AM	2:00	Kiln Hydrosonic Stacks	SSM	Dirty demisters on #1 and #4 that need changed	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-157	10/13/2021 3:53 PM	10/13/2021 3:57 PM	0:04	#8 Vent Stack	Upset	Contractor working in area, inadvertently bumping quick vent valve partially opening it	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-156	10/11/2021 11:05 PM	10/11/2021 11:06 PM	0:01	#7 and 8 CO Flare Stack	Upset	Power bumps caused us to loose control power and process motors tripped. Flared 8 and 9 furnaces, lost baghouse star feeders	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-156	10/11/2021 11:05 PM	10/11/2021 11:06 PM	0:01	#9 CO Flare Stack	Upset	Power bumps caused us to loose control power and process motors tripped. Flared 8 and 9 furnaces, lost baghouse star feeders	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-156	10/11/2021 11:03 PM	10/11/2021 11:04 PM	0:01	#7 and 8 CO Flare Stack	Upset	Power bumps caused us to loose control power and process motors tripped. Flared 8 and 9 furnaces, lost baghouse star feeders	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-156	10/11/2021 11:03 PM	10/11/2021 11:04 PM	0:01	#9 CO Flare Stack	Upset	Power bumps caused us to loose control power and process motors tripped. Flared 8 and 9 furnaces, lost baghouse star feeders	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-155	10/11/2021 6:00 AM	10/17/2021 10:00 PM	160:00	Nodule Reclaim BH	SSM	Maintenance to make repairs inside of bag house	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-154	10/5/2021 9:00 AM	10/5/2021 6:00 PM	9:00	Kiln Hydrosonic Stacks	SSM	Had some dP issues	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-153	9/30/2021 5:00 PM	10/2/2021 3:30 PM	46:30	Nodule Reclaim BH	Upset	dusting	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-152	10/5/2021 10:00 AM	10/7/2021 1:00 AM	39:00	Nodule Venturi Stack	SSM	patching ducting	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-151	9/26/2021 2:38 PM	9/26/2021 2:39 PM	0:01	#9 CO Flare Stack	Upset	Furnace CO production exceeded TO capacity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-150	9/27/2021 7:05 AM	9/29/2021 2:54 PM	55:49	Dryer BH Stack	Upset	dryer is dusting	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-149	9/24/2021 2:26 PM	9/24/2021 4:34 PM	2:08	Thermal Oxidizer Stacks	Upset	Shut off A train to repair water leak and brought C train on. After the repairs were made and both A&C trains running, there was not enough CO gas for 2 trains and the DP fluxuated	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-148	9/22/2021 7:35 AM	9/23/2021 11:00 AM	27:25	Nodule Reclaim BH	SSM	bags seem to be bad	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-147	9/21/2021 3:50 PM	9/21/2021 3:50 PM	0:00	#9 CO Flare Stack	Upset	Thermal oxidizer struggling to handle all the gas from #9 furnace with only one scrubber running	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-147	9/21/2021 3:45 PM	9/21/2021 3:45 PM	0:00	#9 CO Flare Stack	Upset	Thermal oxidizer struggling to handle all the gas from #9 furnace with only one scrubber running	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-147	9/21/2021 2:54 PM	9/21/2021 2:54 PM	0:00	#9 CO Flare Stack	Upset	Thermal oxidizer struggling to handle all the gas from #9 furnace with only one scrubber running	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-146	9/26/2021 2:56 PM	9/28/2021 11:00 PM	56:04	Kiln Hydrosonic Stacks	SSM	Shutdown for maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-146	9/20/2021 10:49 PM	9/21/2021 3:15 AM	4:26	Kiln Hydrosonic Stacks	SSM	Shutdown for maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-145	9/20/2021 12:31 PM	9/22/2021 12:31 PM	48:00	#7 Vent Stack	SSM	Doing a shutdown on 7 furnace	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-144	9/15/2021 9:00 AM	9/17/2021 7:00 PM	58:00	Kiln Hydrosonic Stacks	Upset	Taking #1 and #2 fan down to water blast fans	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-141	9/15/2021 8:43 AM	9/15/2021 1:57 PM	5:14	Dryer BH Stack	SSM	Black light and change bags	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-140	9/14/2021 3:00 PM	9/14/2021 8:00 PM	5:00	Kiln Hydrosonic Stacks	Upset	Having to pull feed due to low fuel from furnaces. Causing operating parameters to be out of spec for short periods of time	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-139	9/11/2021 11:00 AM	9/11/2021 5:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	We have low DP readings on #1 and # trains	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-139	9/10/2021 2:00 PM	9/10/2021 9:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	We have low DP readings on #1 and # trains	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-138	9/8/2021 7:00 AM	9/8/2021 8:00 PM	13:00	Kiln Hydrosonic Stacks	Upset	Cooler problems, had to take fans down	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-137	9/15/2021 1:24 PM	9/15/2021 1:27 PM	0:03	#7 and 8 CO Flare Stack	Upset	Thermal oxidizer is off, dept 10 taking 100% of gas produced by furnaces. Fce off gas exceeded dept 10 gas demands	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-137	9/15/2021 1:24 PM	9/15/2021 1:27 PM	0:03	#9 CO Flare Stack	Upset	Thermal oxidizer is off, dept 10 taking 100% of gas produced by furnaces. Fce off gas exceeded dept 10 gas demands	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-137	9/7/2021 11:05 PM	9/7/2021 11:06 PM	0:01	#7 and 8 CO Flare Stack	Upset	Thermal oxidizer is off, dept 10 taking 100% of gas produced by furnaces. Fce off gas exceeded dept 10 gas demands	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-137	9/7/2021 11:05 PM	9/7/2021 11:06 PM	0:01	#9 CO Flare Stack	Upset	Thermal oxidizer is off, dept 10 taking 100% of gas produced by furnaces. Fce off gas exceeded dept 10 gas demands	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-136	9/7/2021 9:38 AM	9/9/2021 9:38 AM	48:00	#8 Vent Stack	SSM	8 furnace shutdown and treater wash	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-134	9/7/2021 1:30 PM	9/7/2021 11:30 PM	10:00	Kiln Hydrosonic Stacks	Upset	Low spray flow. feed pulled to work on cooler	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-134	9/5/2021 9:00 AM	9/5/2021 4:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	Low spray flow. feed pulled to work on cooler	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-133	9/2/2021 9:00 PM	9/3/2021 5:00 PM	20:00	Kiln Hydrosonic Stacks	Upset	#2 seperator drain leg off the hyro strack is plugged up	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-132	9/1/2021 10:00 PM	9/2/2021 5:00 AM	7:00	Kiln Hydrosonic Stacks	Upset	Dirty demister	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-131	8/31/2021 1:52 AM	8/31/2021 2:25 AM	0:33	#9 Vent Stack	Upset	Had to shut off air to 9 FCE to replace PRD on 3rd fllow air tank	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-130	8/31/2021 8:00 AM	8/31/2021 4:00 PM	8:00	Kiln Hydrosonic Stacks	Upset	Taking fans down for repair leaks	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-130	8/30/2021 2:00 PM	8/30/2021 9:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	Taking fans down for repair leaks	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-129	9/1/2021 7:35 AM	9/1/2021 2:45 PM	7:10	Nodule Reclaim BH	SSM	Replacing bearings on fan	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-128	8/22/2021 9:00 PM	8/23/2021 2:00 AM	5:00	Nodule Cooler Spray Tower Stack	Upset	Had to clean some sprays on the Cooler spray tower, bringing the flow down for a few hours	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-127	8/25/2021 1:25 PM	8/25/2021 2:50 PM	1:25	Nodule Reclaim BH	Upset	Reliability did a PM on the fan today while it was in service, found some noises	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-126	8/18/2021 9:00 AM	8/20/2021 4:00 PM	55:00	Kiln Hydrosonic Stacks	Upset	Leaking flange on recycle valve we need to fix	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-125	8/18/2021 8:00 AM	8/18/2021 11:00 AM	3:00	#8 THFC Stack	Upset	Shut off to repair leaking recirc pump packing gland	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-124	8/17/2021 7:00 AM	8/17/2021 8:33 AM	1:33	#105 BH Stack	SSM	Maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-122	8/15/2021 7:00 PM	8/15/2021 9:00 PM	2:00	Kiln Hydrosonic Stacks	Upset	Lime and soda ash plugged causing PH to go low	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-121	8/14/2021 9:22 AM	8/14/2021 9:23 AM	0:01	#7 and 8 CO Flare Stack	Upset	Pulled feed on kiln department 10	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-120	8/14/2021 7:20 AM	8/14/2021 6:30 PM	11:10	#9 Vent Stack	Upset	Vented #9 furnace for repairs on upper and lower flare valves	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-119	8/13/2021 5:39 PM	8/13/2021 6:47 PM	1:08	#7 CO Baghouse Bypass Stk	Upset	Fan overheated	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/12/2021 9:58 PM	8/12/2021 9:59 PM	0:01	#7 and 8 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capacity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/12/2021 9:58 PM	8/12/2021 9:59 PM	0:01	#9 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capacity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-118	8/12/2021 8:47 PM	8/12/2021 8:48 PM	0:01	#7 and 8 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/12/2021 8:47 PM	8/12/2021 8:48 PM	0:01	#9 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/12/2021 5:49 PM	8/12/2021 5:50 PM	0:01	#7 and 8 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/12/2021 5:49 PM	8/12/2021 5:50 PM	0:01	#9 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/12/2021 5:44 PM	8/12/2021 5:46 PM	0:02	#7 and 8 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/12/2021 5:44 PM	8/12/2021 5:46 PM	0:02	#9 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/12/2021 5:26 PM	8/12/2021 5:27 PM	0:01	#7 and 8 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/12/2021 5:26 PM	8/12/2021 5:27 PM	0:01	#9 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/11/2021 10:57 AM	8/11/2021 11:15 AM	0:18	#7 and 8 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/11/2021 10:57 AM	8/11/2021 11:08 AM	0:11	#9 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/11/2021 10:23 AM	8/11/2021 10:53 AM	0:30	#7 and 8 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/11/2021 10:23 AM	8/11/2021 10:30 AM	0:07	#9 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/11/2021 9:24 AM	8/11/2021 10:19 AM	0:55	#7 and 8 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-118	8/11/2021 9:24 AM	8/11/2021 9:36 AM	0:12	#9 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/10/2021 9:44 AM	8/10/2021 9:45 AM	0:01	#7 and 8 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/10/2021 3:29 AM	8/10/2021 3:30 AM	0:01	#7 and 8 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/10/2021 3:29 AM	8/10/2021 3:30 AM	0:01	#9 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/9/2021 5:43 PM	8/9/2021 5:44 PM	0:01	#7 and 8 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/9/2021 5:43 PM	8/9/2021 5:44 PM	0:01	#9 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/9/2021 12:56 PM	8/9/2021 12:58 PM	0:02	#7 and 8 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/9/2021 12:56 PM	8/9/2021 12:58 PM	0:02	#9 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/8/2021 3:27 PM	8/8/2021 3:28 PM	0:01	#7 and 8 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-118	8/8/2021 3:27 PM	8/8/2021 3:28 PM	0:01	#9 CO Flare Stack	Upset	Dept 10 is down making repairs, furnace production/CO gas production exceeded TO capcaity	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-117	8/13/2021 11:00 AM	8/13/2021 12:00 PM	1:00	Kiln Hydrosonic Stacks	SSM	Kiln shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-117	8/8/2021 2:00 AM	8/12/2021 8:00 PM	114:00	Kiln Hydrosonic Stacks	SSM	Kiln shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-116	08/07/2021 6:45 AM	08/07/2021 8:12 AM	1:27	#9 Vent Stack	Upset	Took furnace down to repair rotary	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-115	08/05/2021 8:00 AM	08/05/2021 8:50 AM	0:50	#105 BH Stack	SSM	Bag house work on the 105 bag house	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-114	08/04/2021 12:34 PM	08/04/2021 3:33 PM	2:59	#9 Vent Stack	SSM	Replace seal pot opacity line	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-113	08/02/2021 8:00 AM	08/02/2021 2:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	#2 Demister went bad Dp we had to replace it	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-113	08/01/2021 3:00 PM	08/01/2021 11:00 PM	8:00	Kiln Hydrosonic Stacks	Upset	#2 Demister went bad Dp we had to replace it	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-112	07/29/2021 3:00 PM	07/29/2021 11:00 PM	8:00	Kiln Hydrosonic Stacks	Upset	Took #4 fan down to change out oil pump on fan motor	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-111	07/29/2021 2:00 PM	08/02/2021 2:00 PM	96:00	Dryer BH Stack	Upset	Dusting stack	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-110	08/04/2021 12:46 PM	08/04/2021 1:27 PM	0:41	#9 CO Baghouse Bypass Stk	Upset	New baghouse's on 7 and 9 are tripping off for different reasons	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-110	07/26/2021 6:53 PM	07/26/2021 7:07 PM	0:14	#7 CO Baghouse Bypass Stk	Upset	New baghouse's on 7 and 9 are tripping off for different reasons	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-109	07/26/2021 6:21 PM	07/26/2021 8:48 PM	2:27	#9 CO Baghouse Bypass Stk	SSM	Working on #9 FCE new baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-108	07/23/2021 2:45 PM	07/23/2021 4:04 PM	1:19	#7 CO Baghouse Bypass Stk	Upset	Had to shutdown baghouse for contractor work, tie-in	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-107	07/21/2021 12:00 PM	07/21/2021 6:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	ph on the recirculation tank below 6.1 due to mercury tie in	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-107	07/20/2021 11:00 AM	07/20/2021 8:00 PM	9:00	Kiln Hydrosonic Stacks	Upset	ph on the recirculation tank below 6.1 due to mercury tie in	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-106	07/20/2021 9:17 AM	07/20/2021 4:03 PM	6:46	#8 CO Baghouse Bypass Stk	SSM	Maintainance working on baghouse and fan	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-105	07/17/2021 12:00 PM	07/17/2021 3:00 PM	3:00	Kiln Hydrosonic Stacks	Upset	Took #3 & #2 fan down to replace demister	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-105	07/16/2021 1:00 PM	07/16/2021 6:00 PM	5:00	Kiln Hydrosonic Stacks	Upset	Took #3 & #2 fan down to replace demister	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-103	07/15/2021 10:00 AM	07/15/2021 10:25 AM	0:25	Coke Handling Baghouse Stack	SSM	PM baghouse and make any repairs needed	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-102	07/13/2021 10:00 AM	07/13/2021 4:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	#2 kiln emission fan had problems with the pressure switch on oil pumps, which in turn takes the fan down	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-102	07/12/2021 8:00 PM	07/13/2021 2:00 AM	6:00	Kiln Hydrosonic Stacks	Upset	#2 kiln emission fan had problems with the pressure switch on oil pumps, which in turn takes the fan down	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-101	07/07/2021 1:00 PM	07/07/2021 9:00 PM	8:00	Kiln Hydrosonic Stacks	Upset	Soda ash plugged up which reduced the Ph in the 4500 tank below limit	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-099	07/04/2021 2:00 AM	07/16/2021 3:30 AM	289:30	Nodule Venturi Stack	Upset	Dp on the nodule venturi fan is outside of operating range	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-099	07/03/2021 7:00 AM	07/03/2021 9:00 AM	2:00	Nodule Venturi Stack	Upset	Dp on the nodule venturi fan is outside of operating range	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-098	07/01/2021 10:02 PM	07/02/2021 12:15 AM	2:13	#8 Vent Stack	Upset	Broken stick	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-097	06/30/2021 9:00 PM	06/30/2021 11:00 PM	2:00	Kiln Hydrosonic Stacks	Upset	Lime pluggage north reactor so2 ph below 6.1	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-096	07/01/2021 10:00 AM	07/01/2021 4:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	Take down fans to install sampling ports	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-096	06/30/2021 8:00 AM	06/30/2021 9:00 PM	13:00	Kiln Hydrosonic Stacks	SSM	Take down fans to install sampling ports	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-096	06/29/2021 12:00 PM	06/29/2021 10:00 PM	10:00	Kiln Hydrosonic Stacks	SSM	Take down fans to install sampling ports	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-095	06/28/2021 11:00 AM	06/28/2021 4:00 PM	5:00	Kiln Hydrosonic Stacks	Upset	Dirty sprays and strainers	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-095	06/28/2021 2:00 AM	06/28/2021 5:00 AM	3:00	Kiln Hydrosonic Stacks	Upset	Dirty sprays and strainers	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-094	06/24/2021 8:00 AM	06/26/2021 6:00 AM	46:00	Nodule Venturi Stack	SSM	High vibrations on venturi fan will need to be water blasted	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-094	06/23/2021 8:00 AM	06/23/2021 11:00 AM	3:00	Nodule Venturi Stack	SSM	High vibrations on venturi fan will need to be water blasted	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-092	06/17/2021 1:50 PM	06/17/2021 4:00 PM	2:10	Main Stock BH Stack	SSM	Work to be performed on new baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-091	6/15/2021 9:00 AM	06/16/2021 4:00 AM	19:00	Kiln Hydrosonic Stacks	Upset	Pulled feed due to #7 furnace being off	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-091	6/14/2021 11:00 AM	6/14/2021 5:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	Pulled feed due to #7 furnace being off	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-090	6/15/2021 10:00 AM	6/15/2021 12:00 PM	2:00	#7 CO Baghouse Bypass Stk	SSM	Planned inspection of 7's baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-089	6/12/2021 11:00 AM	6/12/2021 6:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	Changing a demister and cleaning throats on #2 kiln emissions fan	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-087	06/12/2021 8:14 AM	06/12/2021 8:14 AM	0:00	#9 Vent Stack	SSM	#9 annual furnace shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-086	6/9/2021 9:00 AM	6/9/2021 3:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	DP on #2 kiln emission fan	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-085	6/10/2021 9:44 AM	6/10/2021 2:54 PM	5:10	#7 CO Baghouse Bypass Stk	SSM	Blacklighting Baghouses	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-084	6/8/2021 11:00 AM	06/24/2021 3:00 PM	388:00	Nodule Reclaim BH	Upset	Baghouse Dusting, Possible broken Bags	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-083	6/8/2021 9:45 AM	6/8/2021 10:30 AM	0:45	#9 CO Baghouse Bypass Stk	Upset	Maintenance for readings	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-082	6/9/2021 8:30 AM	6/9/2021 2:45 PM	6:15	Scaleroom BH Stack	SSM	Scaleroom baghouse black light inspection	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-081	6/8/2021 10:00 AM	6/8/2021 11:30 AM	1:30	#104 BH Stack	SSM	Dust collector black light	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-080	6/6/2021 2:00 PM	6/6/2021 3:00 PM	1:00	Kiln Hydrosonic Stacks	Upset	Having problems with pH still.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-080	6/5/2021 3:00 AM	6/5/2021 6:00 AM	3:00	Kiln Hydrosonic Stacks	Upset	Having problems with pH still.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-080	6/4/2021 7:00 AM	6/4/2021 8:00 AM	1:00	Kiln Hydrosonic Stacks	Upset	Having problems with pH still.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-080	5/30/2021 12:00 AM	5/30/2021 2:00 AM	2:00	Kiln Hydrosonic Stacks	Upset	Having problems with pH still.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-079	6/1/2021 9:45 PM	06/03/2021 2:40 AM	28:55	#8 Vent Stack	Upset	Arced out #1 seal	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-078	6/2/2021 6:51 AM	6/2/2021 7:26 AM	0:35	#9 CO Baghouse Bypass Stk	SSM	Gathering data regarding 9 fce baghouse project	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-077	5/28/2021 8:00 PM	5/28/2021 10:00 PM	2:00	Kiln Hydrosonic Stacks	Upset	Kiln so2 ph dropped down below 6.1. We are working through things from shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-076	5/28/2021 12:22 PM	5/28/2021 12:23 PM	0:01	#7 and 8 CO Flare Stack	Upset	Dept.10 went down and stopped taking gas and caused flare stacks to flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-076	5/28/2021 12:22 PM	5/28/2021 12:23 PM	0:01	#9 CO Flare Stack	Upset	Dept.10 went down and stopped taking gas and caused flare stacks to flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-076	5/28/2021 12:16 PM	5/28/2021 12:19 PM	0:03	#7 and 8 CO Flare Stack	Upset	Dept.10 went down and stopped taking gas and caused flare stacks to flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-076	5/28/2021 12:16 PM	5/28/2021 12:19 PM	0:03	#9 CO Flare Stack	Upset	Dept.10 went down and stopped taking gas and caused flare stacks to flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-076	5/28/2021 12:14 PM	5/28/2021 12:15 PM	0:01	#7 and 8 CO Flare Stack	Upset	Dept.10 went down and stopped taking gas and caused flare stacks to flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-076	5/28/2021 12:14 PM	5/28/2021 12:15 PM	0:01	#9 CO Flare Stack	Upset	Dept.10 went down and stopped taking gas and caused flare stacks to flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-076	5/28/2021 12:10 PM	5/28/2021 12:13 PM	0:03	#7 and 8 CO Flare Stack	Upset	Dept.10 went down and stopped taking gas and caused flare stacks to flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-076	5/28/2021 12:10 PM	5/28/2021 12:13 PM	0:03	#9 CO Flare Stack	Upset	Dept.10 went down and stopped taking gas and caused flare stacks to flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-075	5/28/2021 11:11 AM	5/28/2021 1:30 PM	2:19	#9 CO Baghouse Bypass Stk	SSM	Gathering data regarding baghouse project	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-074	5/25/2021 11:10 PM	05/26/2021 8:07 PM	20:57	#9 Vent Stack	SSM	Working on structural repairs on 9 fce	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-073	5/24/2021 5:00 AM	05/26/2021 8:00 AM	51:00	Kiln Hydrosonic Stacks	Upset	Starting up So2 system fighting flows and PHs	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-072	5/23/2021 6:55 PM	5/23/2021 6:58 PM	0:03	#7 and 8 CO Flare Stack	Upset	Trying to balance between TO capacity, dept 10 taking CO and Fee down time. Furnace CO production exceeded TO capacity while dept 10 is coming back online.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-072	5/23/2021 6:55 PM	5/23/2021 6:58 PM	0:03	#9 CO Flare Stack	Upset	Trying to balance between TO capacity, dept 10 taking CO and Fee down time. Furnace CO production exceeded TO capacity while dept 10 is coming back online.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-071	5/23/2021 4:10 AM	5/23/2021 4:11 AM	0:01	#9 CO Flare Stack	Upset	Power failure took Provox/ Delta V power, control power and random critical power to equipment	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-071	5/23/2021 3:29 AM	5/23/2021 3:30 AM	0:01	#9 CO Flare Stack	Upset	Power failure took Provox/ Delta V power, control power and random critical power to equipment	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-071	5/23/2021 2:29 AM	5/23/2021 7:26 AM	4:57	#8 Vent Stack	Upset	Power failure took Provox/ Delta V power, control power and random critical power to equipment	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-071	5/22/2021 5:05 PM	05/23/2021 1:32 AM	8:27	#8 Vent Stack	Upset	Power failure took Provox/ Delta V power, control power and random critical power to equipment	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-070	5/17/2021 11:00 AM	5/17/2021 1:00 PM	2:00	Nodule Venturi Stack	Upset	Having flow issues with the Nodule Venturi	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-070	5/14/2021 9:00 AM	5/15/2021 3:00 AM	18:00	Nodule Venturi Stack	Upset	Having flow issues with the Nodule Venturi	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-070	5/10/2021 4:00 PM	05/14/2021 12:00 AM	80:00	Nodule Venturi Stack	Upset	Having flow issues with the Nodule Venturi	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-068	5/15/2021 2:48 AM	5/15/2021 5:48 AM	3:00	#7 Vent Stack	Upset	Bad weir water supply valve on the thermo oxidizer	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-068	5/15/2021 2:45 AM	5/15/2021 4:52 AM	2:07	#8 Vent Stack	Upset	Bad weir water supply valve on the thermo oxidizer	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-068	5/15/2021 2:37 AM	5/15/2021 4:36 AM	1:59	#9 Vent Stack	Upset	Bad weir water supply valve on the thermo oxidizer	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-067	5/20/2021 1:10 AM	5/20/2021 1:11 AM	0:01	#9 CO Flare Stack	Upset	Flared because of high CO pressure while Dept 10 is down for shutdown. Was not able to react fast enough to avoid flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-067	5/20/2021 12:11 AM	5/20/2021 12:12 AM	0:01	#7 and 8 CO Flare Stack	Upset	Flared because of high CO pressure while Dept 10 is down for shutdown. Was not able to react fast enough to avoid flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-067	5/20/2021 12:11 AM	5/20/2021 12:12 AM	0:01	#9 CO Flare Stack	Upset	Flared because of high CO pressure while Dept 10 is down for shutdown. Was not able to react fast enough to avoid flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-067	5/19/2021 11:25 PM	5/19/2021 11:26 PM	0:01	#7 and 8 CO Flare Stack	Upset	Flared because of high CO pressure while Dept 10 is down for shutdown. Was not able to react fast enough to avoid flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-067	5/19/2021 11:25 PM	5/19/2021 11:26 PM	0:01	#9 CO Flare Stack	Upset	Flared because of high CO pressure while Dept 10 is down for shutdown. Was not able to react fast enough to avoid flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-067	5/19/2021 11:04 PM	5/19/2021 11:05 PM	0:01	#7 and 8 CO Flare Stack	Upset	Flared because of high CO pressure while Dept 10 is down for shutdown. Was not able to react fast enough to avoid flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-067	5/19/2021 11:04 PM	5/19/2021 11:05 PM	0:01	#9 CO Flare Stack	Upset	Flared because of high CO pressure while Dept 10 is down for shutdown. Was not able to react fast enough to avoid flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-067	5/19/2021 5:04 AM	5/19/2021 5:05 AM	0:01	#7 and 8 CO Flare Stack	Upset	Flared because of high CO pressure while Dept 10 is down for shutdown. Was not able to react fast enough to avoid flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-067	5/17/2021 3:38 PM	5/17/2021 3:39 PM	0:01	#7 and 8 CO Flare Stack	Upset	Flared because of high CO pressure while Dept 10 is down for shutdown. Was not able to react fast enough to avoid flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-067	5/16/2021 1:48 AM	5/16/2021 1:49 AM	0:01	#7 and 8 CO Flare Stack	Upset	Flared because of high CO pressure while Dept 10 is down for shutdown. Was not able to react fast enough to avoid flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-067	5/14/2021 5:50 PM	5/14/2021 5:51 PM	0:01	#7 and 8 CO Flare Stack	Upset	Flared because of high CO pressure while Dept 10 is down for shutdown. Was not able to react fast enough to avoid flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-067	5/14/2021 1:16 PM	5/14/2021 1:17 PM	0:01	#7 and 8 CO Flare Stack	Upset	Flared because of high CO pressure while Dept 10 is down for shutdown. Was not able to react fast enough to avoid flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-067	5/13/2021 5:07 PM	5/13/2021 5:08 PM	0:01	#7 and 8 CO Flare Stack	Upset	Flared because of high CO pressure while Dept 10 is down for shutdown. Was not able to react fast enough to avoid flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-067	5/13/2021 5:07 PM	5/13/2021 5:08 PM	0:01	#9 CO Flare Stack	Upset	Flared because of high CO pressure while Dept 10 is down for shutdown. Was not able to react fast enough to avoid flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-067	5/13/2021 5:01 PM	5/13/2021 5:02 PM	0:01	#7 and 8 CO Flare Stack	Upset	Flared because of high CO pressure while Dept 10 is down for shutdown. Was not able to react fast enough to avoid flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-067	5/13/2021 5:01 PM	5/13/2021 5:02 PM	0:01	#9 CO Flare Stack	Upset	Flared because of high CO pressure while Dept 10 is down for shutdown. Was not able to react fast enough to avoid flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-066	5/12/2021 1:30 PM	5/12/2021 2:33 PM	1:03	#9 Vent Stack	Upset	Vent to repair co main	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-065	5/12/2021 4:52 AM	5/12/2021 11:00 AM	6:08	#8 CO Baghouse Bypass Stk	Upset	#8 baghouse trip, bad "on " botton, Running backup for now untill it gets repaired	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-063	5/8/2021 10:00 PM	05/09/2021 6:00 AM	8:00	Kiln Hydrosonic Stacks	Upset	ph below the defined limit	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-062	5/5/2021 11:00 AM	5/5/2021 6:00 PM	7:00	Nodule Venturi Stack	SSM	Taking fan down to do some maintenance work	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-061	5/3/2021 8:00 PM	5/9/2021 6:00 AM	130:00	Kiln Hydrosonic Stacks	Upset	Took #4 train for waterblasting and Mercury tie ins for our shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-060	5/1/2021 8:41 PM	5/1/2021 8:42 PM	0:01	#7 and 8 CO Flare Stack	Upset	Kiln shut down feed suddenly, causing furnace to off gas	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-060	5/1/2021 8:41 PM	5/1/2021 8:42 PM	0:01	#9 CO Flare Stack	Upset	Kiln shut down feed suddenly, causing furnace to off gas	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-058	4/26/2021 11:00 AM	04/30/2021 7:00 PM	104:00	Kiln Hydrosonic Stacks	SSM	Taking #1 train down to water blast fan and train	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-056	4/24/2021 8:00 PM	04/25/2021 12:00 AM	4:00	Nodule Cooler Spray Tower Stack	Upset	Turned deck of sprays off to clean and flow dropped below limit	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-055	4/19/2021 9:00 AM	04/24/2021 4:00 AM	115:00	Kiln Hydrosonic Stacks	SSM	Taking #3 offline for water blasting and cleaning before shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-054	4/21/2021 12:00 PM	4/21/2021 6:00 PM	6:00	#8 THFC Stack	SSM	Vent to work on 703 screw, #9 buss repairs and doghouse repairs	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-054	4/20/2021 9:48 AM	4/20/2021 10:49 PM	13:01	#9 Vent Stack	SSM	Vent to work on 703 screw, #9 buss repairs and doghouse repairs	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-052	4/17/2021 7:00 PM	04/17/2021 7:00 PM	0:00	#7 Explosion Seal Vnt	SSM	Leak in explosion seal drain line	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-051	4/15/2021 10:00 AM	04/16/2021 4:00 AM	18:00	SDM Vent Stack	SSM	Baghouse inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-050	4/14/2021 11:02 AM	04/15/2021 12:33 PM	25:31	#8 Vent Stack	SSM	Weld a crack in the downcomer	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-049	4/17/2021 7:00 AM	4/17/2021 9:00 AM	2:00	Kiln Hydrosonic Stacks	Upset	Water blasting #2 and #3 KE fan and train	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-049	4/12/2021 8:00 PM	04/16/2021 10:00 PM	98:00	Kiln Hydrosonic Stacks	Upset	Water blasting #2 and #3 KE fan and train	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-048	4/11/2021 1:00 PM	04/11/2021 11:00 PM	10:00	Nodule Reclaim BH	Upset	Low flows due to dirty flow meters.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-048	4/11/2021 3:00 AM	04/11/2021 10:00 AM	7:00	Kiln Hydrosonic Stacks	Upset	Low flows due to dirty flow meters.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-048	4/10/2021 2:00 AM	04/10/2021 9:00 PM	19:00	Kiln Hydrosonic Stacks	Upset	Low flows due to dirty flow meters.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-047	4/8/2021 8:00 AM	04/08/2021 4:30 PM	8:30	#105 BH Stack	SSM	Needs new bags	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-046	4/6/2021 8:30 AM	04/06/2021 12:40 PM	4:10	Scaleroom BH Stack	SSM	307 Scaleroom baghouse will be off 4/6/21 in the morning	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-045	4/1/2021 1:00 PM	04/01/2021 4:00 PM	3:00	Kiln Hydrosonic Stacks	Upset	Need to clean throats on #2 train	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-045	3/31/2021 12:00 PM	03/31/2021 8:00 PM	8:00	Kiln Hydrosonic Stacks	Upset	Need to clean throats on #2 train	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-045	3/30/2021 8:00 PM	03/31/2021 1:00 AM	5:00	Kiln Hydrosonic Stacks	Upset	Need to clean throats on #2 train	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-045	3/30/2021 11:00 AM	03/30/2021 4:00 PM	5:00	Kiln Hydrosonic Stacks	Upset	Need to clean throats on #2 train	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-043	3/29/2021 7:00 AM	03/29/2021 4:00 PM	9:00	Kiln Hydrosonic Stacks	Upset	Repairing the packing on the good pump but running on the weak pump while doing so.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-042	3/25/2021 11:00 AM	03/25/2021 5:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	High dp #3 train	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-041	4/5/2021 12:46 PM	04/07/2021 12:46 PM	48:00	#7 Vent Stack	SSM	100 stack and belt drops on 7 furnace. Temporary #7 duct to Main baghouse plugged up with dust. #7 Treater wash for baghouse tie in	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-041	4/5/2021 9:04 AM	04/05/2021 1:21 PM	4:17	Main Stock. BH Stack	SSM	100 stack and belt drops on 7 furnace. Temporary #7 duct to Main baghouse plugged up with dust. #7 Treater wash for baghouse tie in	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-041	4/5/2021 7:15 AM	04/05/2021 2:45 PM	7:30	#7 CO Baghouse Bypass Stk	SSM	100 stack and belt drops on 7 furnace. Temporary #7 duct to Main baghouse plugged up with dust. #7 Treater wash for baghouse tie in	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-041	3/28/2021 6:59 PM	03/29/2021 12:08 PM	17:09	#7 CO Baghouse Bypass Stk	SSM	100 stack and belt drops on 7 furnace. Temporary #7 duct to Main baghouse plugged up with dust. #7 Treater wash for baghouse tie in	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-041	3/25/2021 11:00 AM	03/25/2021 2:00 PM	3:00	#8 THFC Stack	SSM	100 stack and belt drops on 7 furnace. Temporary #7 duct to Main baghouse plugged up with dust. #7 Treater wash for baghouse tie in	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-041	3/24/2021 10:15 AM	03/24/2021 11:00 AM	0:45	#7 CO Baghouse Bypass Stk	SSM	100 stack and belt drops on 7 furnace. Temporary #7 duct to Main baghouse plugged up with dust. #7 Treater wash for baghouse tie in	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-041	3/24/2021 9:52 AM	03/24/2021 10:10 AM	0:18	#8 CO Baghouse Bypass Stk	SSM	100 stack and belt drops on 7 furnace. Temporary #7 duct to Main baghouse plugged up with dust. #7 Treater wash for baghouse tie in	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-041	3/24/2021 9:40 AM	03/24/2021 9:50 AM	0:10	#9 CO Baghouse Bypass Stk	SSM	100 stack and belt drops on 7 furnace. Temporary #7 duct to Main baghouse plugged up with dust. #7 Treater wash for baghouse tie in	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-041	3/23/2021 11:00 AM	03/23/2021 12:45 PM	1:45	Main Stock. BH Stack	SSM	100 stack and belt drops on 7 furnace. Temporary #7 duct to Main baghouse plugged up with dust. #7 Treater wash for baghouse tie in	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-040	3/20/2021 8:00 AM	03/22/2021 3:00 PM	55:00	#105 BH Stack	Upset	Bag house dusting when running coke.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-039	3/18/2021 9:38 AM	03/18/2021 9:39 AM	0:01	#7 and 8 CO Flare Stack	Upset	Lost the TO	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-039	3/18/2021 9:38 AM	03/18/2021 9:39 AM	0:01	#9 CO Flare Stack	Upset	Lost the TO	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-038	3/18/2021 5:00 AM	03/18/2021 11:00 AM	6:00	Kiln Hydrosonic Stacks	Upset	Kiln parameters out of spec	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-038	3/17/2021 9:00 AM	03/17/2021 11:00 AM	2:00	Kiln Hydrosonic Stacks	Upset	Kiln parameters out of spec	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-038	3/16/2021 6:00 PM	03/16/2021 10:00 PM	4:00	Kiln Hydrosonic Stacks	Upset	Kiln parameters out of spec	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-038	3/16/2021 2:00 AM	03/16/2021 4:00 PM	14:00	Kiln Hydrosonic Stacks	Upset	Kiln parameters out of spec	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-037	3/16/2021 2:00 AM	03/16/2021 12:00 PM	10:00	Nodule Venturi Stack	Upset	High vibration	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-036	3/17/2021 7:15 AM	03/17/2021 10:18 AM	3:03	#9 Vent Stack	Upset	Trying to bring kiln on line.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-036	3/15/2021 11:46 AM	03/15/2021 11:47 AM	0:01	#7 and 8 CO Flare Stack	Upset	Trying to bring kiln on line.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-036	3/15/2021 11:46 AM	03/15/2021 11:47 AM	0:01	#9 CO Flare Stack	Upset	Trying to bring kiln on line.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-036	3/15/2021 2:16 AM	03/15/2021 2:18 AM	0:02	#7 and 8 CO Flare Stack	Upset	Trying to bring kiln on line.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-035	3/15/2021 5:00 PM	03/15/2021 11:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	We had to pull feed last night due to problem in kiln	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-035	3/14/2021 5:00 AM	03/14/2021 11:00 PM	18:00	Nodule Venturi Stack	Upset	We had to pull feed last night due to problem in kiln	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-035	3/11/2021 8:43 AM	03/11/2021 2:28 PM	5:45	Kiln Hydrosonic Stacks	Upset	We had to pull feed last night due to problem in kiln	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-035	3/10/2021 11:30 PM	03/11/2021 3:45 AM	4:15	Kiln Hydrosonic Stacks	Upset	We had to pull feed last night due to problem in kiln	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-034	3/10/2021 10:45 AM	03/10/2021 6:00 PM	7:15	Kiln Hydrosonic Stacks	Upset	Had to change out some demisters	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-020	2/10/2021 8:15 AM	02/10/2021 10:30 AM	2:15	Scaleroom BH Stack	SSM	Taking the 307 Bag House fan down	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-019	2/8/2021 10:14 AM	02/11/2021 1:42 PM	75:28	#9 Vent Stack	SSM	Planned work on nitrogen seals will have to vent the furnace for this work	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-018	2/9/2021 8:30 AM	02/09/2021 9:00 AM	0:30	#104 BH Stack	SSM	Blacklight inspection	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-017	2/8/2021 8:00 AM	02/08/2021 2:00 PM	6:00	#307 Coke Fines Baghouse Stack	Upset	New project tie in	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-016	2/8/2021 11:00 AM	02/08/2021 6:00 PM	7:00	Kiln Hydrosonic Stacks	SSM	Changing demisters	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-015	2/4/2021 9:00 AM	02/04/2021 12:00 PM	3:00	Kiln Hydrosonic Stacks	Upset	Water flows on #3 train	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-014	1/28/2021 1:00 PM	01/28/2021 5:00 PM	4:00	#8 THFC Stack	Upset	THFC fan down	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-011	1/26/2021 10:00 AM	01/26/2021 12:01 PM	2:01	#7 CO Baghouse Bypass Stk	SSM	Planned work on 7/8/9 Dust Collectors for Tuesday 01/26/2021	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-011	1/26/2021 10:00 AM	1/26/2021 12:01 PM	2:01	#8 CO Baghouse Bypass Stk	SSM	Planned work on 7/8/9 Dust Collectors for Tuesday 01/26/2021	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-011	1/26/2021 10:00 AM	01/26/2021 12:01 PM	2:01	#9 CO Baghouse Bypass Stk	SSM	Planned work on 7/8/9 Dust Collectors for Tuesday 01/26/2021	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-010	1/22/2021 4:00 PM	01/22/2021 5:00 PM	1:00	#7 THFC Stack	Upset	Vented #8 fce because of loosing control power to Nash's Recirculation pump was bad in THFC	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-010	1/22/2021 3:00 PM	01/22/2021 6:00 PM	3:00	#8 THFC Stack	Upset	Vented #8 fce because of loosing control power to Nash's Recirculation pump was bad in THFC	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-006	1/2/2021 11:00 AM	01/03/2021 4:40 AM	17:40	Kiln Hydrosonic Stacks	SSM	Took down scrubbers to clean throats and sprays.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-006	12/31/2020 7:00 AM	12/31/2020 9:00 AM	2:00	Kiln Hydrosonic Stacks	SSM	Took down scrubbers to clean throats and sprays.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2021-005	1/11/2021 6:00 AM	01/11/2021 2:00 PM	8:00	#7 THFC Stack	Upset	THFC fan tripped off	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-004	1/12/2021 10:00 AM	01/12/2021 4:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	Cleaning sprays and throats for Stack testing	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-004	1/11/2021 12:00 PM	01/11/2021 5:00 PM	5:00	Kiln Hydrosonic Stacks	SSM	Cleaning sprays and throats for Stack testing	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-003	1/9/2021 2:00 PM	01/09/2021 5:00 PM	3:00	Kiln Hydrosonic Stacks	Upset	Low flow	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-002	1/9/2021 10:00 AM	01/09/2021 5:00 PM	7:00	#7 THFC Stack	SSM	Inspect #8 2B dry seal insulator for damage, inspect FCE baghouses	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2021-002	1/7/2021 6:18 AM	01/07/2021 6:23 AM	0:05	#9 Vent Stack	SSM	Inspect #8 2B dry seal insulator for damage, inspect FCE baghouses	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	1/5/2021 4:15 AM	1/5/2021 4:19 AM	0:04	#7 and 8 CO Flare Stack	Upset	Instrument malfunction power bump	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	1/5/2021 4:15 AM	01/05/2021 4:19 AM	0:04	#9 CO Flare Stack	Upset	Instrument malfunction power bump	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/30/2020 9:14 PM	12/30/2020 9:15 PM	0:01	#9 CO Flare Stack	Upset	Instrument malfunction power bump	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/30/2020 9:12 PM	12/30/2020 9:13 PM	0:01	#7 and 8 CO Flare Stack	Upset	Instrument malfunction power bump	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/30/2020 9:11 PM	12/30/2020 9:12 PM	0:01	#7 and 8 CO Flare Stack	Upset	Instrument malfunction power bump	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/30/2020 9:10 PM	12/30/2020 9:13 PM	0:03	#9 CO Flare Stack	Upset	Instrument malfunction power bump	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/30/2020 6:02 PM	12/30/2020 6:04 PM	0:02	#7 and 8 CO Flare Stack	Upset	Instrument malfunction power bump	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-157	12/30/2020 5:50 PM	12/30/2020 5:51 PM	0:01	#7 and 8 CO Flare Stack	Upset	Instrument malfunction power bump	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/30/2020 2:58 PM	12/30/2020 2:59 PM	0:01	#7 and 8 CO Flare Stack	Upset	Instrument malfunction power bump	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/30/2020 2:42 PM	12/30/2020 6:00 PM	3:18	#7 Vent Stack	Upset	Instrument malfunction power bump	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/30/2020 2:26 PM	12/30/2020 6:23 PM	3:57	#8 Vent Stack	Upset	Instrument malfunction power bump	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/30/2020 2:14 PM	12/30/2020 6:23 PM	4:09	#9 Vent Stack	Upset	Instrument malfunction power bump	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/30/2020 2:02 PM	12/30/2020 2:43 PM	0:41	#7 and 8 CO Flare Stack	Upset	Instrument malfunction power bump	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/30/2020 1:54 PM	12/30/2020 2:42 PM	0:48	#7 and 8 CO Flare Stack	Upset	Instrument malfunction	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/30/2020 1:54 PM	12/30/2020 2:26 PM	0:32	#8 Emerg CO Flare Stk	Upset	Instrument malfunction	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/30/2020 1:54 PM	12/30/2020 2:14 PM	0:20	#9 CO Flare Stack	Upset	Instrument malfunction	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/30/2020 9:00 AM	12/30/2020 12:00 PM	3:00	#8 THFC Stack	Upset	Instrument malfunction	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/30/2020 9:00 AM	12/30/2020 12:00 PM	3:00	#8 THFC Stack	Upset	Instrument malfunction power bump	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/29/2020 12:28 PM	12/29/2020 12:30 PM	0:02	#9 CO Flare Stack	Upset	Instrument malfunction	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/29/2020 12:27 PM	12/29/2020 1:15 PM	0:48	#9 Vent Stack	Upset	Instrument malfunction power bump	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-157	12/29/2020 12:15 PM	12/29/2020 12:16 PM	0:01	#9 CO Flare Stack	Upset	Instrument malfunction power bump	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/29/2020 11:41 AM	12/29/2020 11:42 AM	0:01	#9 CO Flare Stack	Upset	Instrument malfunction	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/29/2020 11:33 AM	12/29/2020 11:37 AM	0:04	#9 CO Flare Stack	Upset	Instrument malfunction	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/24/2020 5:00 AM	12/24/2020 6:00 PM	13:00	#8 THFC Stack	Upset	Instrument malfunction	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-157	12/24/2020 5:00 AM	12/24/2020 6:00 PM	13:00	#8 THFC Stack	Upset	Instrument malfunction power bump	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-156	12/29/2020 11:18 AM	12/29/2020 11:25 AM	0:07	#9 CO Flare Stack	Upset	Instrument malfunction	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-155	12/27/2020 9:00 AM	12/27/2020 12:01 PM	3:01	Kiln Hydrosonic Stacks	Upset	PH out of parameters	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-154	12/22/2020 9:30 AM	12/22/2020 10:30 AM	1:00	#105 BH Stack	SSM	105 bag house will be down tomorrow 12/22/20	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-153	12/17/2020 7:03 AM	12/17/2020 8:11 AM	1:08	Kiln Hydrosonic Stacks	SSM	#3 demister needs changed	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-152	12/16/2020 9:00 AM	12/17/2020 2:00 AM	17:00	Nodule Venturi Stack	SSM	Replace venturi spray water pump	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-151	12/14/2020 8:14 PM	12/14/2020 8:15 PM	0:01	#9 CO Flare Stack	Upset	Flared because pressure tap needed rodded	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-151	12/14/2020 8:14 PM	12/14/2020 8:15 PM	0:01	#9 CO Flare Stack	Upset	Flared because pressure tap needed rodded.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-150	12/14/2020 4:00 PM	12/14/2020 10:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	Having some problems with #3 KE fan. Had some water lines freeze up	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-149	12/10/2020 11:47 PM	12/11/2020 6:23 AM	6:36	#7 Vent Stack	SSM	Furnace turned off, lack of manpower due to illness, covid leave, sick call ins	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-146	12/01/2020 10:16 AM	12/01/2020 10:17 AM	0:01	#7 and 8 CO Flare Stack	Upset	Problems with TO	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-146	12/01/2020 10:16 AM	12/01/2020 10:17 AM	0:01	#9 CO Flare Stack	Upset	Problems with TO	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-145	12/02/2020 11:00 AM	12/02/2020 5:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	Take #2 and #4 fans down to change demisters and clean throats	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-144	11/25/2020 4:32 AM	11/25/2020 3:20 PM	10:48	#8 Vent Stack	SSM	Transfer screw on #8 quit working had to shut furnace off	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-143	11/24/2020 11:00 AM	11/24/2020 2:00 PM	3:00	Kiln Hydrosonic Stacks	Upset	Took #3 fan down to clean throats and sprays	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-142	11/24/2020 7:50 AM	11/24/2020 8:10 AM	0:20	Coke Handling Baghouse Stack	SSM	Shutdown baghouse to complete a blacklight inspection	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-140	11/19/2020 11:00 AM	11/19/2020 3:00 PM	4:00	Kiln Hydrosonic Stacks	Upset	# 4 train needs a a new demister and #2 train needs throats and sprays cleaned	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-139	11/18/2020 6:00 PM	11/18/2020 10:00 PM	4:00	Kiln Hydrosonic Stacks	Upset	taking #3 and #4 fans down for mercury project tie ins	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-138	11/17/2020 10:16 AM	11/17/2020 10:17 AM	0:01	#7 and 8 CO Flare Stack	SSM	Baghouse dusting, holes in bags, leaking seals	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-138	11/17/2020 10:16 AM	11/17/2020 10:17 AM	0:01	#9 CO Flare Stack	SSM	Baghouse dusting, holes in bags, leaking seals	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-138	11/17/2020 10:04 AM	11/17/2020 2:53 PM	4:49	#8 Vent Stack	SSM	Baghouse dusting, holes in bags, leaking seals	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-138	11/17/2020 7:39 AM	11/17/2020 10:30 AM	2:51	#7 CO Baghouse Bypass Stk	SSM	Baghouse dusting, holes in bags, leaking seals	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-137	11/15/2020 11:00 AM	11/15/2020 3:00 PM	4:00	Kiln Hydrosonic Stacks	Upset	Dirty throats on #1 and #4 KE trains	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-136	11/13/2020 7:00 PM	11/14/2020 7:00 PM	24:00	Kiln Hydrosonic Stacks	Upset	Had feed pulled had fans shutdown to help hold heat	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-135	11/10/2020 9:59 AM	11/10/2020 3:31 PM	5:32	#7 CO Baghouse Bypass Stk	SSM	Holes in bags in baghouse and seal issues	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-134	11/06/2020 4:40 AM	11/06/2020 9:47 AM	5:07	#9 Vent Stack	Upset	Vented for treater rectifier repairs	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-133	11/06/2020 10:00 AM	11/06/2020 11:00 AM	1:00	Kiln Hydrosonic Stacks	Upset	Flow out of parameters	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-133	10/31/2020 3:00 PM	10/31/2020 6:00 PM	3:00	Kiln Hydrosonic Stacks	Upset	Flow out of parameters	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-132	10/31/2020 4:06 AM	10/31/2020 12:05 PM	7:59	#7 Vent Stack	Upset	Pressure Control Issues	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-132	10/31/2020 12:19 AM	10/31/2020 3:08 AM	2:49	#7 Vent Stack	Upset	Pressure Control Issues	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-131	10/30/2020 12:00 PM	11/01/2020 11:15 PM	59:15	Nodule Venturi Stack	Upset	Water blasting the fan	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-130	10/29/2020 6:11 AM	10/29/2020 7:33 AM	1:22	#7 Vent Stack	Upset	We needed to vent for planned work on the #7 Nash Header	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-130	10/29/2020 3:55 AM	10/29/2020 5:05 AM	1:10	#7 Vent Stack	Upset	We needed to vent for planned work on the #7 Nash Header	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-130	10/28/2020 1:36 PM	10/28/2020 2:03 PM	0:27	#7 Vent Stack	Upset	We needed to vent for planned work on the #7 Nash Header	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-129	10/29/2020 9:00 AM	10/29/2020 7:00 PM	10:00	Nodule Venturi Stack	SSM	Scheduled maint.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-128	10/29/2020 10:00 AM	10/29/2020 1:00 PM	3:00	#9 THFC Stack	SSM	#8 shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-128	10/29/2020 10:00 AM	10/29/2020 1:00 PM	3:00	#9 THFC Stack	SSM	#8 shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-128	10/29/2020 8:02 AM	10/31/2020 8:02 AM	48:00	#8 Vent Stack	SSM	#8 shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-128	10/29/2020 8:02 AM	10/31/2020 8:02 AM	48:00	#8 Vent Stack	SSM	#8 shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-127	10/26/2020 12:00 PM	10/26/2020 2:00 PM	2:00	Kiln Hydrosonic Stacks	Upset	Low flow on hydrosonics	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-126	10/27/2020 11:26 AM	10/27/2020 11:50 AM	0:24	#9 CO Baghouse Bypass Stk	SSM	Blacklighting Baghouses- 7,8,9, & 102	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-126	10/27/2020 10:41 AM	10/27/2020 11:20 AM	0:39	#8 CO Baghouse Bypass Stk	SSM	Blacklighting Baghouses- 7,8,9, & 101	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-126	10/27/2020 10:12 AM	10/27/2020 10:30 AM	0:18	#7 CO Baghouse Bypass Stk	SSM	Blacklighting Baghouses- 7,8,9, & 100	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-125	10/20/2020 9:00 PM	10/21/2020 12:00 AM	3:00	Kiln Hydrosonic Stacks	Upset	Low flow on Hydrosonic scrubbers	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-124	10/20/2020 11:00 AM	10/20/2020 4:00 PM	5:00	Nodule Venturi Stack	SSM	We need shut down the Venturi Fan on 10/20/20 for a couple hours	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-123	10/18/2020 9:00 PM	10/18/2020 11:00 PM	2:00	Kiln Hydrosonic Stacks	Upset	Kiln mini delay has cause an upset condition in our 4500 tank and Ph has pH dropped below limit	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-123	10/16/2020 4:00 PM	10/17/2020 6:00 AM	14:00	Kiln Hydrosonic Stacks	Upset	Kiln mini delay has cause an upset condition in our 4500 tank and Ph has pH dropped below limit	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-122	10/12/2020 8:00 PM	10/12/2020 11:00 PM	3:00	Kiln Hydrosonic Stacks	Upset	Low flow on hydrosonics	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-121	10/8/2020 7:00 PM	10/9/2020 1:00 AM	6:00	Kiln Hydrosonic Stacks	SSM	Replacing demisters in #1 and #3 KE trains and cleaning throats and sprays	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-120	10/7/2020 7:28 AM	10/7/2020 3:06 PM	7:38	Nodule Reclaim BH	SSM	We are doing an inspection of the baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-119	10/2/2020 2:07 PM	10/2/2020 7:26 PM	5:19	#9 CO Baghouse Bypass Stk	SSM	Main baghouse going down for maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-119	10/2/2020 2:02 PM	10/2/2020 7:29 PM	5:27	#8 CO Baghouse Bypass Stk	SSM	Main baghouse going down for maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-119	10/2/2020 2:00 PM	10/2/2020 7:32 PM	5:32	#7 CO Baghouse Bypass Stk	SSM	Main baghouse going down for maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-118	10/2/2020 1:00 AM	10/2/2020 2:00 AM	1:00	Kiln Hydrosonic Stacks	SSM	Took kiln down to replace valves on north tower and a repair on the cooler tower return line	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-117	10/1/2020 1:00 PM	10/1/2020 3:00 PM	2:00	#8 THFC Stack	Upset	Had to vent furnace	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-117	10/1/2020 11:02 AM	10/1/2020 2:46 PM	3:44	#9 Vent Stack	Upset	Had to vent furnace	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-115	9/30/2020 10:00 AM	9/30/2020 4:00 PM	6:00	Nodule Venturi Stack	Upset	Lost level in the hydro had to take the venturi fan down to keep the level in the hydro	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-114	9/28/2020 4:00 PM	9/28/2020 5:00 PM	1:00	#7 THFC Stack	SSM	Planned maintenance to feed on our inert gas system that required the THFC to be off	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-113	9/29/2020 7:00 PM	9/29/2020 10:00 PM	3:00	Kiln Hydrosonic Stacks	Upset	Having issues with kiln hydrosonics DP and PH and flows	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-112	9/26/2020 1:00 AM	9/26/2020 6:00 AM	5:00	Kiln Hydrosonic Stacks	Upset	Having issues with the Hydrosonics. pH and dP issues.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-112	9/25/2020 3:00 PM	9/25/2020 10:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	Having issues with the Hydrosonics. pH and dP issues.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-112	9/23/2020 11:00 PM	9/24/2020 4:00 AM	5:00	Kiln Hydrosonic Stacks	Upset	Having issues with the Hydrosonics. pH and dP issues.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-112	9/22/2020 5:00 AM	9/23/2020 6:00 PM	37:00	Kiln Hydrosonic Stacks	Upset	Having issues with the Hydrosonics. pH and dP issues.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-112	9/20/2020 8:00 PM	9/21/2020 1:00 PM	17:00	Kiln Hydrosonic Stacks	Upset	Having issues with the Hydrosonics. pH and dP issues.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-112	9/19/2020 2:00 PM	9/19/2020 4:00 PM	2:00	Kiln Hydrosonic Stacks	Upset	Having issues with the Hydrosonics. pH and dP issues.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-110	09/18/2020 1:00 AM	09/19/2020 7:00 AM	30:00	Kiln Hydrosonic Stacks	Upset	4500 tank PH is low	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-109	09/15/2020 8:00 PM	09/15/2020 9:00 PM	1:00	Kiln Hydrosonic Stacks	SSM	Clean sprays and throats	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-109	09/15/2020 11:00 AM	09/15/2020 2:00 PM	3:00	Kiln Hydrosonic Stacks	SSM	Clean sprays and throats	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-108	09/08/2020 1:00 PM	09/08/2020 7:00 PM	6:00	Kiln Hydrosonic Stacks	SSM	Change demister on #2 train and demister on #4 train	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-107	09/09/2020 2:28 AM	09/09/2020 10:09 AM	7:41	#7 Vent Stack	Upset	Treater heat issues caused FCE to lose temp and risk of condensing	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-107	09/08/2020 3:42 AM	09/08/2020 10:22 AM	6:40	#7 Vent Stack	Upset	Treater heat issues caused FCE to lose temp and risk of condensing	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-105	09/09/2020 12:00 PM	09/09/2020 10:00 PM	10:00	Kiln Hydrosonic Stacks	Upset	Pressure drop on hydrosonics dipped below permit limit	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-105	09/06/2020 12:00 AM	09/06/2020 9:00 AM	9:00	Kiln Hydrosonic Stacks	Upset	Pressure drop on hydrosonics dipped below permit limit	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-104	09/02/2020 1:00 PM	09/02/2020 4:00 PM	3:00	Kiln Hydrosonic Stacks	Upset	Needed to change demister	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

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2020-103	09/01/2020 1:00 AM	09/01/2020 11:00 AM	10:00	Kiln Hydrosonic Stacks	Upset	Water built up in fan housing	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-103	08/31/2020 10:00 PM	09/01/2020 12:00 AM	2:00	Kiln Hydrosonic Stacks	Upset	Water built up in fan housing	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-102	09/01/2020 1:00 PM	09/01/2020 10:00 PM	9:00	#7 THFC Stack	Upset	Kiln went off for brick repairs, TO sucks out the flame with 3 scrubers running and only 2 furnaces running	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-102	08/30/2020 4:32 PM	08/30/2020 4:33 PM	0:01	#9 CO Flare Stack	Upset	Kiln went off for brick repairs, TO sucks out the flame with 3 scrubers running and only 2 furnaces running	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-102	08/30/2020 11:50 AM	08/30/2020 11:50 AM	0:00	#7 and 8 CO Flare Stack	Upset	Kiln went off for brick repairs, TO sucks out the flame with 3 scrubers running and only 2 furnaces running	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-102	08/30/2020 11:42 AM	08/30/2020 11:43 AM	0:01	#7 and 8 CO Flare Stack	Upset	Kiln went off for brick repairs, TO sucks out the flame with 3 scrubers running and only 2 furnaces running	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-102	08/30/2020 11:39 AM	08/30/2020 11:40 AM	0:01	#7 and 8 CO Flare Stack	Upset	Kiln went off for brick repairs, TO sucks out the flame with 3 scrubers running and only 2 furnaces running	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-102	08/30/2020 11:39 AM	08/30/2020 11:40 AM	0:01	#9 CO Flare Stack	Upset	Kiln went off for brick repairs, TO sucks out the flame with 3 scrubers running and only 2 furnaces running	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-102	08/30/2020 8:45 AM	08/30/2020 8:46 AM	0:01	#7 and 8 CO Flare Stack	Upset	Kiln went off for brick repairs, TO sucks out the flame with 3 scrubers running and only 2 furnaces running	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-102	08/30/2020 8:45 AM	08/30/2020 8:46 AM	0:01	#9 CO Flare Stack	Upset	Kiln went off for brick repairs, TO sucks out the flame with 3 scrubers running and only 2 furnaces running	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-101	08/28/2020 2:29 PM	08/28/2020 2:29 PM	0:00	#7 and 8 CO Flare Stack	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #17	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-101	08/28/2020 2:29 PM	08/28/2020 2:29 PM	0:00	#9 CO Flare Stack	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #26	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-101	08/28/2020 9:44 AM	08/28/2020 9:44 AM	0:00	#7 and 8 CO Flare Stack	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #16	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

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2020-101	08/28/2020 9:01 AM	08/28/2020 9:01 AM	0:00	#9 CO Flare Stack	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #25	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-101	08/28/2020 8:27 AM	08/28/2020 8:27 AM	0:00	#9 CO Flare Stack	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #24	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-101	08/27/2020 4:12 PM	08/27/2020 4:13 PM	0:01	#9 CO Flare Stack	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #23	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-101	08/27/2020 12:11 PM	08/27/2020 12:12 PM	0:01	#7 and 8 CO Flare Stack	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #15	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-101	08/27/2020 8:28 AM	08/27/2020 8:28 AM	0:00	#7 and 8 CO Flare Stack	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #14	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-101	08/27/2020 6:34 AM	08/27/2020 6:35 AM	0:01	#7 and 8 CO Flare Stack	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #13	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-101	08/27/2020 1:19 AM	08/27/2020 1:42 AM	0:23	#8 Vent Stack	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #18	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-101	08/27/2020 1:10 AM	08/27/2020 1:42 AM	0:32	#8 Emerg CO Flare Stk	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #16	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-101	08/27/2020 1:09 AM	08/27/2020 1:53 AM	0:44	#9 Vent Stack	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #22	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-101	08/27/2020 12:47 AM	08/27/2020 12:50 AM	0:03	#7 and 8 CO Flare Stack	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #12	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-101	08/27/2020 12:47 AM	08/27/2020 1:09 AM	0:22	#9 CO Flare Stack	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #20	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-101	08/26/2020 10:21 PM	08/26/2020 10:21 PM	0:00	#7 and 8 CO Flare Stack	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #11	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-101	08/26/2020 10:18 PM	08/26/2020 10:18 PM	0:00	#9 CO Flare Stack	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #19	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

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2020-101	08/26/2020 2:37 PM	08/26/2020 2:40 PM	0:03	#7 and 8 CO Flare Stack	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #10	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-101	08/26/2020 2:16 PM	08/26/2020 2:19 PM	0:03	#7 and 8 CO Flare Stack	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #9	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-101	08/26/2020 1:38 PM	08/26/2020 1:46 PM	0:08	#7 and 8 CO Flare Stack	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #8	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-101	08/25/2020 1:15 AM	08/26/2020 1:26 PM	36:11	#8 Vent Stack	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #17	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-101	08/24/2020 10:05 PM	08/26/2020 2:23 PM	40:18	#9 Vent Stack	Upset	Hot spot in Kiln caused Furnaces to be shutdown so they could repair the issue; Venting stacks on FCE #9 and FCE #21	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-100	08/24/2020 2:00 AM	08/24/2020 7:53 PM	17:53	Dryer BH Stack	Upset	Baghouse outside operating parameters (dusting)	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-099	08/24/2020 10:35 AM	08/24/2020 3:00 PM	4:25	Kiln Hydrosonic Stacks	Upset	Low flow and pressure on Hydrosonics	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-098	08/20/2020 6:30 PM	08/20/2020 10:10 PM	3:40	#8 Vent Stack	Upset	Pressure control issues	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-097	08/24/2020 4:38 PM	08/24/2020 4:40 PM	0:02	#9 CO Flare Stack	Upset	CO gas exceeded department ten demand from the off gas from the furnace	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-097	08/20/2020 2:12 PM	08/20/2020 2:14 PM	0:02	#7 and 8 CO Flare Stack	Upset	CO gas exceeded department ten demand from the off gas from the furnace	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-097	08/20/2020 2:12 PM	08/20/2020 2:14 PM	0:02	#9 CO Flare Stack	Upset	CO gas exceeded department ten demand from the off gas from the furnace	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-097	08/20/2020 10:33 AM	08/20/2020 12:32 PM	1:59	#7 and 8 CO Flare Stack	Upset	CO gas exceeded department ten demand from the off gas from the furnace	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-097	08/20/2020 10:33 AM	08/20/2020 12:32 PM	1:59	#9 CO Flare Stack	Upset	CO gas exceeded department ten demand from the off gas from the furnace	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-096	08/13/2020 2:00 PM	08/13/2020 8:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	Replacing demisters	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-095	08/21/2020 10:25 AM	08/21/2020 2:20 PM	3:55	Dryer BH Stack	SSM	Inspect bags on bag house	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-094	08/19/2020 8:00 AM	08/19/2020 10:00 AM	2:00	Kiln Hydrosonic Stacks	Upset	Throats and sprays needed cleaned #3 KE fan	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-093	08/19/2020 8:31 AM	08/19/2020 9:20 AM	0:49	#105 BH Stack	SSM	PM bags	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-092	08/17/2020 6:52 AM	08/19/2020 6:52 AM	48:00	#7 Vent Stack	SSM	#7 scheduled shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-091	08/12/2020 11:25 AM	08/12/2020 11:30 AM	0:05	#7 Vent Stack	Upset	Lost treater heat low temps; Lost PRV level on #7	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-091	08/11/2020 11:35 PM	08/12/2020 6:06 AM	6:31	#9 Vent Stack	Upset	Lost treater heat low temps; Lost PRV level on #9	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-091	08/11/2020 11:29 PM	08/11/2020 11:37 PM	0:08	#9 CO Flare Stack	Upset	Lost treater heat low temps; Lost PRV level on #8	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-090	08/05/2020 8:06 AM	08/05/2020 2:46 PM	6:40	Nodule Reclaim BH	SSM	Pm reclaim baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-089	08/05/2020 12:50 PM	08/05/2020 2:06 PM	1:16	#9 Vent Stack	Upset	Kiln start up, To trying to catch up	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-089	08/05/2020 5:56 AM	08/05/2020 6:44 AM	0:48	#9 Vent Stack	Upset	Kiln start up, To trying to catch up	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-089	08/04/2020 10:31 AM	08/04/2020 10:32 AM	0:01	#7 and 8 CO Flare Stack	Upset	Kiln start up, To trying to catch up	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-089	08/04/2020 10:31 AM	08/04/2020 10:32 AM	0:01	#9 CO Flare Stack	Upset	Kiln start up, To trying to catch up	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-088	07/16/2020 9:33 PM	07/18/2020 9:33 PM	48:00	#9 Vent Stack	SSM	Venting #9 furnace for treater repairs	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-087	07/16/2020 7:59 AM	07/21/2020 11:51 AM	123:52	#105 BH Stack	SSM	Going to do maintenace on the baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-086	07/30/2020 7:50 AM	07/30/2020 7:51 AM	0:01	#7 Emerg CO Flare Stk	Upset	7/8 flare stack and 9 flare stack are having very short flares	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-086	07/27/2020 7:03 AM	07/27/2020 7:04 AM	0:01	#7 and 8 CO Flare Stack	Upset	7/8 flare stack and 9 flare stack are having very short flares	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-086	07/27/2020 6:03 AM	07/27/2020 6:04 AM	0:01	#7 Emerg CO Flare Stk	Upset	7/8 flare stack and 9 flare stack are having very short flares	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-086	07/25/2020 7:14 AM	07/25/2020 7:15 AM	0:01	#7 Emerg CO Flare Stk	Upset	7/8 flare stack and 9 flare stack are having very short flares	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-086	07/23/2020 1:55 AM	07/23/2020 1:56 AM	0:01	#7 and 8 CO Flare Stack	Upset	7/8 flare stack and 9 flare stack are having very short flares	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-086	07/20/2020 11:39 PM	07/20/2020 11:43 PM	0:04	#7 Emerg CO Flare Stk	Upset	7/8 flare stack and 9 flare stack are having very short flares	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-086	07/20/2020 5:02 PM	07/20/2020 5:03 PM	0:01	#7 and 8 CO Flare Stack	Upset	7/8 flare stack and 9 flare stack are having very short flares	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-086	07/20/2020 8:27 AM	07/20/2020 11:12 AM	2:45	#7 and 8 CO Flare Stack	Upset	7/8 flare stack and 9 flare stack are having very short flares	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-086	07/16/2020 2:00 PM	07/16/2020 4:00 PM	2:00	#8 THFC Stack	Upset	7/8 flare stack and 9 flare stack are having very short flares	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-086	07/16/2020 11:54 AM	07/16/2020 1:29 PM	1:35	#8 THFC Stack	Upset	7/8 flare stack and 9 flare stack are having very short flares	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-086	07/15/2020 4:34 PM	07/15/2020 4:35 PM	0:01	#7 and 8 CO Flare Stack	Upset	7/8 flare stack and 9 flare stack are having very short flares	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-086	07/15/2020 4:34 PM	07/15/2020 4:35 PM	0:01	#9 CO Flare Stack	Upset	7/8 flare stack and 9 flare stack are having very short flares	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-086	07/13/2020 1:40 PM	07/13/2020 1:42 PM	0:02	#7 and 8 CO Flare Stack	Upset	7/8 flare stack and 9 flare stack are having very short flares	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-086	07/13/2020 8:42 AM	07/13/2020 8:43 AM	0:01	#7 and 8 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-084	07/29/2020 8:00 AM	07/29/2020 2:00 PM	6:00	Nodule Venturi Stack	SSM	Taking kiln down for shut down	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-084	07/23/2020 9:00 AM	07/28/2020 6:00 PM	129:00	Nodule Venturi Stack	SSM	Taking kiln down for shut down	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-084	07/20/2020 5:00 AM	07/20/2020 5:00 PM	12:00	Nodule Venturi Stack	SSM	Taking kiln down for shut down	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/13/2020 8:00 PM	07/15/2020 3:00 PM	43:00	Nodule Venturi Stack	SSM	Taking Nodule venturi fan down to switch to rain for rent pump for duration of the kiln shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/13/2020 1:40 PM	07/13/2020 1:42 PM	0:02	#9 CO Flare Stack	Upset	7/8 flare stack and 9 flare stack are having very short flares	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/13/2020 1:34 PM	07/13/2020 1:35 PM	0:01	#7 and 8 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/13/2020 1:30 PM	07/13/2020 1:31 PM	0:01	#7 and 8 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/13/2020 1:30 PM	07/13/2020 1:31 PM	0:01	#9 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/13/2020 1:00 PM	07/13/2020 1:01 PM	0:01	#7 and 8 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/13/2020 1:00 PM	07/13/2020 1:01 PM	0:01	#9 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-082	07/13/2020 8:42 AM	07/13/2020 8:43 AM	0:01	#9 CO Flare Stack	Upset	7/8 flare stack and 9 flare stack are having very short flares	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/13/2020 7:46 AM	07/13/2020 7:47 AM	0:01	#9 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/13/2020 7:26 AM	07/14/2020 9:54 AM	26:28	Dryer BH Stack	Upset	Bags need replaced	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/13/2020 6:00 AM	07/13/2020 1:00 PM	7:00	Nodule Venturi Stack	SSM	Taking Nodule venturi fan down to switch to rain for rent pump for duration of the kiln shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/13/2020 2:57 AM	07/13/2020 2:58 AM	0:01	#7 and 8 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/13/2020 12:07 AM	07/13/2020 12:09 AM	0:02	#7 and 8 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/13/2020 12:07 AM	07/13/2020 12:09 AM	0:02	#9 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/12/2020 11:01 PM	07/12/2020 11:02 PM	0:01	#7 and 8 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/12/2020 11:01 PM	07/12/2020 11:02 PM	0:01	#9 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/12/2020 9:29 PM	07/12/2020 9:31 PM	0:02	#9 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/12/2020 9:26 PM	07/12/2020 9:28 PM	0:02	#9 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/12/2020 9:20 PM	07/12/2020 9:21 PM	0:01	#7 and 8 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/12/2020 9:06 PM	07/12/2020 9:12 PM	0:06	#9 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-082	07/12/2020 8:51 PM	07/12/2020 8:58 PM	0:07	#9 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/12/2020 7:49 PM	07/12/2020 7:53 PM	0:04	#9 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/12/2020 7:47 PM	07/12/2020 7:47 PM	0:00	#7 and 8 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/12/2020 6:54 PM	07/12/2020 6:58 PM	0:04	#9 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/12/2020 6:53 PM	07/12/2020 6:54 PM	0:01	#7 and 8 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/12/2020 6:34 PM	07/12/2020 6:38 PM	0:04	#9 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/12/2020 6:33 PM	07/12/2020 6:36 PM	0:03	#7 and 8 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/12/2020 4:05 PM	07/12/2020 10:19 PM	6:14	#7 Vent Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/12/2020 4:05 PM	07/12/2020 9:44 PM	5:39	#8 Vent Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/12/2020 3:23 PM	07/12/2020 9:23 PM	6:00	#9 Vent Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/12/2020 2:14 PM	07/12/2020 2:15 PM	0:01	#7 and 8 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/12/2020 1:58 PM	07/12/2020 1:59 PM	0:01	#7 and 8 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/12/2020 1:41 PM	07/12/2020 1:43 PM	0:02	#7 and 8 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-082	07/12/2020 1:24 PM	07/12/2020 1:29 PM	0:05	#7 and 8 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/12/2020 1:23 PM	07/12/2020 3:24 PM	2:01	#9 CO Flare Stack	Upset	CO valve on TO failed to open	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-082	07/12/2020 1:00 PM	07/12/2020 10:00 PM	9:00	Nodule Venturi Stack	SSM	Taking kiln down for shut down	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-081	07/08/2020 8:23 AM	07/08/2020 8:45 AM	0:22	#8 Vent Stack	SSM	Remove pluggage from prv downcomer	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-080	08/10/2020 6:00 AM	08/10/2020 4:00 PM	10:00	Kiln Hydrosonic Stacks	Upset	Pre shutdown work/ shutdown work	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-080	08/04/2020 12:00 PM	08/04/2020 3:00 PM	3:00	Kiln Hydrosonic Stacks	Upset	Pre shutdown work/ shutdown work	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-080	08/03/2020 9:00 AM	08/03/2020 8:00 PM	11:00	Kiln Hydrosonic Stacks	Upset	Pre shutdown work/ shutdown work	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-080	07/11/2020 5:00 PM	07/11/2020 7:00 PM	2:00	Nodule Venturi Stack	Upset	Pre shutdown work/ shutdown work	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-080	07/11/2020 10:00 AM	07/11/2020 12:00 PM	2:00	Nodule Venturi Stack	Upset	Pre shutdown work/ shutdown work	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-080	07/06/2020 9:00 PM	07/12/2020 12:00 AM	123:00	Kiln Hydrosonic Stacks	Upset	Pre shutdown work/ shutdown work	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-080	07/06/2020 6:00 PM	07/06/2020 8:00 PM	2:00	Kiln Hydrosonic Stacks	Upset	Pre shutdown work/ shutdown work	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-079	07/04/2020 2:00 AM	07/04/2020 3:00 AM	1:00	Nodule Cooler Spray Tower Stack	Upset	Spray tower flow briefly dipped below permit limit	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-078	06/25/2020 12:00 PM	06/29/2020 5:00 PM	101:00	Nodule Cooler Spray Tower Stack	Upset	Spray pump needs replaced, causing low flow to spray tower.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-078	06/24/2020 8:00 PM	06/25/2020 1:00 AM	5:00	Nodule Cooler Spray Tower Stack	Upset	Spray pump needs replaced, causing low flow to spray tower.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-077	06/29/2020 8:00 PM	07/06/2020 4:00 PM	164:00	Kiln Hydrosonic Stacks	Upset	Water blasting #1 KE fan	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-076	06/28/2020 10:02 PM	06/28/2020 10:03 PM	0:01	#7 and 8 CO Flare Stack	Upset	Flared 7/8 while rodding taps to TO	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-073	06/22/2020 6:00 PM	06/25/2020 5:00 PM	71:00	Kiln Hydrosonic Stacks	SSM	We are taking down the #3 Fan today	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-071	06/18/2020 9:00 AM	06/18/2020 7:00 PM	10:00	Nodule Venturi Stack	Upset	Shutting off bearing cooling water	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-071	06/17/2020 3:00 PM	06/17/2020 6:00 PM	3:00	Nodule Venturi Stack	Upset	Shutting off bearing cooling water	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-070	06/17/2020 3:00 PM	06/17/2020 5:00 PM	2:00	Kiln Hydrosonic Stacks	SSM	Dirty demisters	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-070	06/17/2020 10:00 AM	06/17/2020 1:00 PM	3:00	Kiln Hydrosonic Stacks	SSM	Dirty demisters	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-070	06/16/2020 3:00 PM	06/16/2020 5:00 PM	2:00	Kiln Hydrosonic Stacks	SSM	Dirty demisters	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-070	06/16/2020 9:00 AM	06/16/2020 12:00 PM	3:00	Kiln Hydrosonic Stacks	SSM	Dirty demisters	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-069	06/16/2020 10:20 AM	06/16/2020 10:26 AM	0:06	#7 CO Baghouse Bypass Stk	SSM	Bag House scheduled maint.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-069	06/16/2020 8:12 AM	06/16/2020 8:50 AM	0:38	#8 CO Baghouse Bypass Stk	SSM	Bag House scheduled maint.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-069	06/16/2020 7:14 AM	06/16/2020 7:46 AM	0:32	#9 CO Baghouse Bypass Stk	SSM	Bag House scheduled maint.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-068	06/15/2020 8:00 AM	06/15/2020 11:30 AM	3:30	Nodule Venturi Stack	Upset	We had an inlet boot to the fan fail, it needs to be replaced	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-067	06/12/2020 9:25 AM	06/12/2020 10:07 AM	0:42	Nodule Venturi Stack	Upset	Got high velocity on the drive and it tripped	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-066	06/10/2020 7:42 AM	06/10/2020 8:28 AM	0:46	Main Stock BH Stack	SSM	Baghouse Blacklighting	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-065	06/09/2020 12:00 PM	06/09/2020 4:00 PM	4:00	Nodule Venturi Stack	Upset	Got high velocity readings and tripped	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-064	06/09/2020 7:30 AM	06/09/2020 11:00 AM	3:30	Scaleroom BH Stack	SSM	Maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-063	06/01/2020 10:00 PM	06/02/2020 1:00 PM	15:00	Kiln Hydrosonic Stacks	Upset	pH in SO2 system dipped when bringing the kiln back online from a brief shutdown, also cleaned demisters in hydrosonics.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-061	06/04/2020 8:00 AM	06/05/2020 9:00 PM	37:00	Nodule Venturi Stack	SSM	High vibs on the fan	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-060	06/02/2020 1:00 PM	06/02/2020 7:00 PM	6:00	#9 THFC Stack	Upset	9 THFC fan shut off due to temps	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-059	06/01/2020 5:15 PM	06/01/2020 5:16 PM	0:01	#7 and 8 CO Flare Stack	Upset	Flared on 7/8 and 9 flare stacks because TO flare control mode setting was not correct for the kiln to take gas	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-059	06/01/2020 5:15 PM	06/01/2020 5:16 PM	0:01	#9 CO Flare Stack	Upset	Flared on 7/8 and 9 flare stacks because TO flare control mode setting was not correct for the kiln to take gas	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-059	06/01/2020 5:08 PM	06/01/2020 5:08 PM	0:00	#7 and 8 CO Flare Stack	Upset	Flared on 7/8 and 9 flare stacks because TO flare control mode setting was not correct for the kiln to take gas	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-059	06/01/2020 5:08 PM	06/01/2020 5:08 PM	0:00	#9 CO Flare Stack	Upset	Flared on 7/8 and 9 flare stacks because TO flare control mode setting was not correct for the kiln to take gas	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-058	05/29/2020 10:28 PM	05/30/2020 2:53 PM	16:25	Dryer BH Stack	Upset	We are dusting a bit out of the dryer stack, only when drying coke. We may have a bad bag	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-057	05/31/2020 9:00 PM	06/01/2020 10:00 AM	13:00	Nodule Venturi Stack	SSM	Lost brick in the Kiln and took kiln down for short shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-057	05/28/2020 11:00 AM	05/29/2020 8:00 PM	33:00	Nodule Venturi Stack	SSM	Lost brick in the Kiln and took kiln down for short shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-056	05/29/2020 11:28 AM	05/29/2020 11:29 AM	0:01	#7 and 8 CO Flare Stack	Upset	Found a hole in #8 treater	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-056	05/27/2020 6:35 AM	05/27/2020 6:35 AM	0:00	#7 and 8 CO Flare Stack	Upset	Found a hole in #8 treater	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-056	05/27/2020 5:37 AM	05/27/2020 5:38 AM	0:01	#7 and 8 CO Flare Stack	Upset	Found a hole in #8 treater	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-056	05/27/2020 5:05 AM	05/27/2020 5:05 AM	0:00	#7 and 8 CO Flare Stack	Upset	Found a hole in #8 treater	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-056	05/27/2020 4:53 AM	05/27/2020 4:53 AM	0:00	#7 and 8 CO Flare Stack	Upset	Found a hole in #8 treater	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-056	05/27/2020 4:49 AM	05/27/2020 4:50 AM	0:01	#7 and 8 CO Flare Stack	Upset	Found a hole in #8 treater	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-055	05/20/2020 10:28 AM	05/20/2020 10:28 AM	0:00	#7 and 8 CO Flare Stack	Upset	Furnace briefly flared	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-053	05/19/2020 6:45 AM	05/19/2020 8:05 AM	1:20	Nodule Reclaim BH	SSM	Black light the baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-052	05/18/2020 2:00 AM	05/18/2020 3:00 AM	1:00	Nodule Venturi Stack	Upset	pH dipped below limit after bringing the kiln back online	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-050	05/13/2020 12:00 PM	05/14/2020 4:00 AM	16:00	Kiln Hydrosonic Stacks	Upset	Lime pluggage causing PH to drop below 6.2	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-050	05/12/2020 9:00 PM	05/13/2020 3:00 AM	6:00	Kiln Hydrosonic Stacks	Upset	Lime pluggage causing PH to drop below 6.1	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-047	05/11/2020 11:00 AM	05/11/2020 5:00 PM	6:00	Nodule Cooler Spray Tower Stack	Upset	Flow to the cooler tower will be low for most of the day	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-047	05/09/2020 6:00 PM	05/10/2020 1:00 PM	19:00	Nodule Cooler Spray Tower Stack	Upset	Flow to the cooler tower will be low for most of the day	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-046	05/12/2020 7:00 AM	05/12/2020 1:00 PM	6:00	Dryer BH Stack	Upset	We are getting a little visible dusting out of the stack when drying coke	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-045	05/08/2020 8:00 AM	05/08/2020 11:00 AM	3:00	Kiln Hydrosonic Stacks	Upset	We had a DP on the demister of -5	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-044	05/08/2020 8:37 AM	05/08/2020 10:56 AM	2:19	#8 Vent Stack	Upset	#9 spray pump quit do to frozen collection tank, transfer pump failure	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-042	05/06/2020 1:09 AM	05/07/2020 1:32 AM	24:23	#8 Vent Stack	Upset	HOLE IN THE TOP OF THE 1B TREATER ABOVE THE B OUTLET	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-041	04/27/2020 1:00 PM	04/27/2020 6:00 PM	5:00	Nodule Cooler Spray Tower Stack	Upset	Reduced flow due to closing valve on decks to clean sprays	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-040	04/27/2020 8:09 AM	04/29/2020 8:09 AM	48:00	#9 Vent Stack	SSM	Maintenance on 2-B treater for 9 Furnace	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-039	04/22/2020 1:08 PM	04/22/2020 1:09 PM	0:01	#7 and 8 CO Flare Stack	Upset	Flared on 7/8 and 9 while kiln closed down on tridentrics, TO does not react fast enough to take gas	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-039	04/22/2020 1:08 PM	04/22/2020 1:09 PM	0:01	#9 CO Flare Stack	Upset	Flared on 7/8 and 9 while kiln closed down on tridentrics, TO does not react fast enough to take gas	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-038	04/23/2020 9:27 AM	04/23/2020 1:20 PM	3:53	#8 Vent Stack	SSM	Scheduled maintenance on 8 fce; Nash packing is leaking, needs replaced	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-038	04/21/2020 6:15 AM	04/21/2020 1:40 PM	7:25	#8 Vent Stack	SSM	Scheduled maintenance on 8 fce; Nash packing is leaking, needs replaced	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-037	04/15/2020 11:00 AM	04/15/2020 2:00 PM	3:00	Kiln Hydrosonic Stacks	Upset	We had a high Dp on the Demister	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-036	04/14/2020 9:00 AM	04/15/2020 10:00 PM	37:00	Nodule Venturi Stack	SSM	Build up in duct repair needed on duct work	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-035	04/14/2020 7:00 AM	04/14/2020 9:30 AM	2:30	#105 BH Stack	SSM	PM coke reclaim bag house	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-033	04/10/2020 12:00 PM	04/10/2020 5:00 PM	5:00	Nodule Venturi Stack	Upset	Low hydro level	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-032	03/31/2020 3:00 AM	03/31/2020 5:00 PM	14:00	Dryer BH Stack	SSM	Annual inspection on Dryer baghouse exhaust fan	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-030	03/24/2020 7:53 AM	03/24/2020 10:00 AM	2:07	Coke Handling Baghouse Stack	SSM	Taking baghouse down to complete a black light inspection	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-029	03/17/2020 7:30 AM	03/20/2020 4:00 PM	80:30	Main Stock BH Stack	Upset	Operator reported a "see" condition for dusting at the main baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-028	03/12/2020 9:50 AM	03/12/2020 11:22 AM	1:32	Kiln Hydrosonic Stacks	SSM	Inspecting demisters and changing one out	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-027	03/10/2020 10:00 AM	03/10/2020 2:44 PM	4:44	Main Stock BH Stack	Upset	MAIN BAGHOUSE IS DUSTING AND NEEDS TO BE WORKED ON	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-023	04/08/2020 10:00 AM	04/08/2020 12:00 PM	2:00	#7 THFC Stack	SSM	Planned shutdown maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-023	03/24/2020 10:00 AM	03/24/2020 12:00 PM	2:00	#8 THFC Stack	SSM	Planned shutdown maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-023	03/24/2020 9:00 AM	03/24/2020 12:00 PM	3:00	#8 THFC Stack	Upset	Broken raw water line	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-023	03/19/2020 4:00 AM	03/19/2020 7:00 PM	15:00	Main Stock BH Stack	SSM	Planned shutdown maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-023	03/12/2020 10:00 AM	03/12/2020 3:30 PM	5:30	Main Stock BH Stack	SSM	Planned shutdown maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-023	02/29/2020 6:54 AM	03/02/2020 6:54 AM	48:00	#9 Vent Stack	SSM	Planned shutdown maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-014	02/10/2020 4:00 PM	02/10/2020 5:00 PM	1:00	Kiln Hydrosonic Stacks	Upset	Soda ash feeder bound up causing pH to dip	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-013	02/11/2020 1:45 PM	02/11/2020 2:00 PM	0:15	#7 CO Baghouse Bypass Stk	SSM	Blacklight testing in the Main Baghouse and #7 baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-013	02/11/2020 11:40 AM	02/11/2020 1:30 PM	1:50	#8 CO Baghouse Bypass Stk	SSM	Blacklight testing in the Main Baghouse and #7 baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-013	02/11/2020 11:01 AM	02/11/2020 11:03 AM	0:02	#7 and 8 CO Flare Stack	SSM	Blacklight testing in the Main Baghouse and #7 baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-013	02/11/2020 11:01 AM	02/11/2020 11:03 AM	0:02	#9 CO Flare Stack	SSM	Blacklight testing in the Main Baghouse and #7 baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-013	02/11/2020 11:00 AM	02/11/2020 11:40 AM	0:40	#9 CO Baghouse Bypass Stk	SSM	Blacklight testing in the Main Baghouse and #7 baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-013	02/10/2020 1:00 PM	02/10/2020 3:00 PM	2:00	Main Stock BH Stack	SSM	Blacklight testing in the Main Baghouse and #7 baghouse	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-012	02/06/2020 9:45 AM	02/06/2020 11:45 AM	2:00	#104 BH Stack	SSM	We need to check the bag house out today	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-011	02/04/2020 9:45 AM	02/04/2020 10:45 AM	1:00	Kiln Hydrosonic Stacks	SSM	Pull and replace outlet demister in #2 KE train	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-010	01/21/2020 12:00 PM	01/21/2020 7:00 PM	7:00	Nodule Cooler Spray Tower Stack	Upset	Flow was low and needed to be water blasted	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-009	02/09/2020 8:09 AM	02/09/2020 8:10 AM	0:01	#7 and 8 CO Flare Stack	Upset	#8 1B treater insulator is bad; Flared due to power blip and dept 10 operations	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-009	02/09/2020 8:09 AM	02/09/2020 8:10 AM	0:01	#9 CO Flare Stack	Upset	#8 1B treater insulator is bad; Flared due to power blip and dept 10 operations	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-009	02/09/2020 8:06 AM	02/09/2020 8:07 AM	0:01	#7 and 8 CO Flare Stack	Upset	#8 1B treater insulator is bad; Flared due to power blip and dept 10 operations	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-009	02/09/2020 8:06 AM	02/09/2020 8:07 AM	0:01	#9 CO Flare Stack	Upset	#8 1B treater insulator is bad; Flared due to power blip and dept 10 operations	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-009	02/07/2020 10:13 AM	02/07/2020 10:14 AM	0:01	#9 CO Flare Stack	Upset	#8 1B treater insulator is bad; Flared due to power blip and dept 10 operations	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-009	02/06/2020 1:28 PM	02/06/2020 1:29 PM	0:01	#7 and 8 CO Flare Stack	Upset	#8 1B treater insulator is bad; Flared due to power blip and dept 10 operations	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-009	02/06/2020 1:28 PM	02/06/2020 1:29 PM	0:01	#9 CO Flare Stack	Upset	#8 1B treater insulator is bad; Flared due to power blip and dept 10 operations	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-009	02/04/2020 10:33 AM	02/04/2020 12:49 PM	2:16	#8 THFC Stack	Upset	#8 1B treater insulator is bad; Flared due to power blip and dept 10 operations	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-009	01/30/2020 8:35 AM	01/30/2020 5:34 PM	8:59	#8 Vent Stack	Upset	#8 1B treater insulator is bad; Flared due to power blip and dept 10 operations	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-009	01/30/2020 3:40 AM	01/30/2020 4:46 AM	1:06	#8 Vent Stack	Upset	#8 1B treater insulator is bad; Flared due to power blip and dept 10 operations	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-008	01/28/2020 8:00 AM	01/28/2020 3:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	Changing demisters	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-007	01/29/2020 8:00 AM	01/29/2020 3:41 PM	7:41	#105 BH Stack	SSM	Preventive maint.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-005	1/20/2020 10:00 AM	1/20/2020 4:00 PM	6:00	Kiln Hydrosonic Stacks	Upset	PH on the 4500 tank due to pluggage on the soda ash feeder	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/27/2020 7:56 PM	01/27/2020 7:57 PM	0:01	#7 and 8 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/27/2020 7:56 PM	01/27/2020 7:57 PM	0:01	#9 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-004	01/23/2020 10:34 AM	01/23/2020 11:34 AM	1:00	#7 CO Baghouse Bypass Stk	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/19/2020 2:09 PM	01/19/2020 2:09 PM	0:00	#7 and 8 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/19/2020 2:09 PM	01/19/2020 2:09 PM	0:00	#9 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/19/2020 1:12 PM	01/19/2020 1:13 PM	0:01	#7 and 8 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/19/2020 1:12 PM	01/19/2020 1:13 PM	0:01	#9 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 4:01 PM	01/16/2020 4:02 PM	0:01	#7 and 8 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 4:01 PM	01/16/2020 4:02 PM	0:01	#9 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 3:18 PM	01/16/2020 3:23 PM	0:05	#7 and 8 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 3:18 PM	01/16/2020 3:23 PM	0:05	#9 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 3:15 PM	01/16/2020 3:16 PM	0:01	#7 and 8 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 3:07 PM	01/16/2020 3:14 PM	0:07	#7 and 8 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 3:07 PM	01/16/2020 3:15 PM	0:08	#9 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 3:04 PM	01/16/2020 3:06 PM	0:02	#9 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-004	01/16/2020 3:01 PM	01/16/2020 3:03 PM	0:02	#7 and 8 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 3:01 PM	01/16/2020 3:02 PM	0:01	#9 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 10:46 AM	01/16/2020 10:47 AM	0:01	#7 and 8 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 10:44 AM	01/16/2020 3:00 PM	4:16	#9 Vent Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 10:35 AM	01/16/2020 10:42 AM	0:07	#7 and 8 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 10:34 AM	01/16/2020 10:42 AM	0:08	#9 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 10:28 AM	01/16/2020 10:31 AM	0:03	#7 and 8 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 10:28 AM	01/16/2020 10:31 AM	0:03	#9 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 10:21 AM	01/16/2020 10:25 AM	0:04	#9 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 10:20 AM	01/16/2020 10:25 AM	0:05	#7 and 8 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 10:10 AM	01/16/2020 10:18 AM	0:08	#7 and 8 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 10:10 AM	01/16/2020 10:18 AM	0:08	#9 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 10:06 AM	01/16/2020 10:07 AM	0:01	#7 Emerg CO Flare Stk	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-004	01/16/2020 10:01 AM	01/16/2020 10:03 AM	0:02	#7 and 8 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 10:01 AM	01/16/2020 10:03 AM	0:02	#9 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 9:55 AM	01/16/2020 9:58 AM	0:03	#7 and 8 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 9:55 AM	01/16/2020 9:58 AM	0:03	#9 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 9:48 AM	01/16/2020 9:52 AM	0:04	#7 and 8 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 9:48 AM	01/16/2020 9:52 AM	0:04	#9 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 9:45 AM	01/16/2020 9:46 AM	0:01	#7 and 8 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 9:45 AM	01/16/2020 9:46 AM	0:01	#9 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 9:42 AM	01/16/2020 9:43 AM	0:01	#7 and 8 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 9:42 AM	01/16/2020 9:43 AM	0:01	#9 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 9:36 AM	01/16/2020 9:39 AM	0:03	#7 and 8 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-004	01/16/2020 9:36 AM	01/16/2020 9:39 AM	0:03	#9 CO Flare Stack	SSM	Stocking belt maint. work; CO Baghouse/Fan inspections	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-003	1/12/2020 10:00 AM	1/12/2020 2:00 PM	4:00	Kiln Hydrosonic Stacks	Upset	Fan was take off line to clean flow meter	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2020-003	1/11/2020 7:00 PM	1/11/2020 8:00 PM	1:00	Kiln Hydrosonic Stacks	Upset	Fan was take off line to clean flow meter	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-002	1/8/2020 7:58 AM	1/8/2020 8:45 AM	0:47	Nodule Reclaim BH	Upset	Preventative maintenance on the 302 fan and nodule stacking baghouses	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2020-001	1/3/2020 1:58 PM	1/4/2020 6:00 PM	28:02	Kiln Hydrosonic Stacks	Upset	High vibrations on #3 fan	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-114	12/31/2019 10:05 AM	12/31/2019 10:14 AM	0:09	#7 CO Baghouse Bypass Stk	Upset	Preventative maintenance on 7, 8 and 9 bag house back up fans	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-114	12/31/2019 9:55 AM	12/31/2019 10:03 AM	0:08	#8 CO Baghouse Bypass Stk	Upset	Preventative maintenance on 7, 8 and 9 bag house back up fans	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-114	12/31/2019 9:45 AM	12/31/2019 9:53 AM	0:08	#9 CO Baghouse Bypass Stk	Upset	Preventative maintenance on 7, 8 and 9 bag house back up fans	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-114	12/31/2019 6:30 AM	12/31/2019 5:04 PM	10:34	#8 Vent Stack	Upset	Preventative maintenance on 7, 8 and 9 bag house back up fans	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-113	12/30/2019 2:00 PM	12/30/2019 7:00 PM	5:00	#8 THFC Stack	Upset	THFC duct drain pump leaking	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-112	12/24/2019 5:00 PM	12/24/2019 8:00 PM	3:00	Kiln Hydrosonic Stacks	Upset	Problems with livers on #4 KE fan. Fixed issue and re-established dp	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-112	12/23/2019 2:00 PM	12/23/2019 9:00 PM	7:00	Kiln Hydrosonic Stacks	Upset	Problems with livers on #4 KE fan. Fixed issue and re-established dp	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-112	12/22/2019 7:00 AM	12/22/2019 12:00 PM	5:00	Kiln Hydrosonic Stacks	Upset	Problems with livers on #4 KE fan. Fixed issue and re-established dp	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-112	12/21/2019 2:00 AM	12/21/2019 3:00 AM	1:00	Kiln Hydrosonic Stacks	Upset	Problems with livers on #4 KE fan. Fixed issue and re-established dp	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-111	12/21/2019 9:00 AM	12/21/2019 10:00 PM	13:00	Nodule Venturi Stack	Upset	Plugged sprayer and bad DP	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2019-110	12/19/2019 4:00 PM	12/20/2019 5:00 PM	25:00	Kiln Hydrosonic Stacks	Upset	We brought our feed in to the kiln but had some problems and needs to pull feed again. Making us go in and out of compliance. We also have low PH. in 4500 tank, its on the way up	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-109	12/18/2019 6:00 AM	12/21/2019 7:00 PM	85:00	Nodule Venturi Stack	Upset	The Dp on the Nodule Reclaim stack is low, it looks liek we have some build up inside	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-108	12/24/2019 9:47 PM	12/24/2019 10:04 PM	0:17	#8 Vent Stack	Upset	Tripped main CO valve on the TO, causing B scrubber to suck TO flame out before B scrubber could be shut down. Flared on 7/8 and 9 furnaces	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-108	12/23/2019 8:02 AM	12/23/2019 4:37 PM	8:35	#8 Vent Stack	Upset	Tripped main CO valve on the TO, causing B scrubber to suck TO flame out before B scrubber could be shut down. Flared on 7/8 and 9 furnaces	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-108	12/19/2019 9:36 AM	12/19/2019 10:03 AM	0:27	#7 THFC Stack	Upset	Tripped main CO valve on the TO, causing B scrubber to suck TO flame out before B scrubber could be shut down. Flared on 7/8 and 9 furnaces	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-108	12/18/2019 2:06 PM	12/18/2019 2:19 PM	0:13	Main Stock. BH Stack	Upset	Tripped main CO valve on the TO, causing B scrubber to suck TO flame out before B scrubber could be shut down. Flared on 7/8 and 9 furnaces	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-108	12/16/2019 12:10 AM	12/16/2019 12:11 AM	0:01	#7 and 8 CO Flare Stack	Upset	Tripped main CO valve on the TO, causing B scrubber to suck TO flame out before B scrubber could be shut down. Flared on 7/8 and 9 furnaces	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-108	12/16/2019 12:10 AM	12/16/2019 12:11 AM	0:01	#9 CO Flare Stack	Upset	Tripped main CO valve on the TO, causing B scrubber to suck TO flame out before B scrubber could be shut down. Flared on 7/8 and 9 furnaces	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-108	12/15/2019 10:34 PM	12/15/2019 10:40 PM	0:06	#7 and 8 CO Flare Stack	Upset	Tripped main CO valve on the TO, causing B scrubber to suck TO flame out before B scrubber could be shut down. Flared on 7/8 and 9 furnaces	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-108	12/15/2019 10:34 PM	12/15/2019 11:13 PM	0:39	#9 CO Flare Stack	Upset	Tripped main CO valve on the TO, causing B scrubber to suck TO flame out before B scrubber could be shut down. Flared on 7/8 and 9 furnaces	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-107	12/9/2019 8:00 AM	12/9/2019 5:00 PM	9:00	Kiln Hydrosonic Stacks	Upset	Changing demisters and cleaning sprays for stack testing	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-106	12/9/2019 7:20 AM	12/9/2019 7:08 PM	11:48	#7 Vent Stack	Upset	Vent #7 to replace screw seals	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-105	12/5/2019 3:00 PM	12/5/2019 6:00 PM	3:00	#7 THFC Stack	Upset	#7 FCE is off and vented	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2019-105	12/4/2019 6:55 PM	12/4/2019 6:56 PM	0:01	#9 CO Flare Stack	Upset	#7 FCE is off and vented	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-105	12/04/2019 6:55 PM	12/04/2019 6:56 PM	0:01	#9 CO Flare Stack	Upset	#7 FCE is off and vented	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-104	11/21/2019 2:12 PM	11/21/2019 2:41 PM	0:29	Nodule Venturi Stack	Upset	doing a check on flow meter for a F.T. O.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-103	11/21/2019 10:17 AM	11/21/2019 10:47 AM	0:30	Coke Handling Baghouse Stack	SSM	System will have a pm performed and will be black lighted	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-102	11/20/2019 6:00 PM	11/20/2019 11:00 PM	5:00	Kiln Hydrosonic Stacks	Upset	Hydrosonic dp out of spec	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-102	11/20/2019 2:00 AM	11/20/2019 12:00 PM	10:00	Kiln Hydrosonic Stacks	Upset	Hydrosonic dp out of spec	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-101	11/21/2019 3:44 PM	11/21/2019 4:00 PM	0:16	Main Stock BH Stack	Upset	Power blip caused Delta V to shutdown and auxillary motors to shut off, causing us to loose control of all three furnaces.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-101	11/21/2019 8:18 AM	11/21/2019 8:35 AM	0:17	Main Stock BH Stack	Upset	Power blip caused Delta V to shutdown and auxillary motors to shut off, causing us to loose control of all three furnaces.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-101	11/21/2019 5:08 AM	11/21/2019 5:08 AM	0:00	#9 CO Flare Stack	Upset	Power blip caused Delta V to shutdown and auxillary motors to shut off, causing us to loose control of all three furnaces.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-101	11/20/2019 6:09 PM	11/20/2019 6:09 PM	0:00	#9 CO Flare Stack	Upset	Power blip caused Delta V to shutdown and auxillary motors to shut off, causing us to loose control of all three furnaces.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-101	11/20/2019 6:05 PM	11/20/2019 6:05 PM	0:00	#9 CO Flare Stack	Upset	Power blip caused Delta V to shutdown and auxillary motors to shut off, causing us to loose control of all three furnaces.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-101	11/20/2019 6:05 PM	11/20/2019 6:06 PM	0:01	#9 CO Flare Stack	Upset	Power blip caused Delta V to shutdown and auxillary motors to shut off, causing us to loose control of all three furnaces.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-101	11/19/2019 11:28 PM	11/19/2019 11:28 PM	0:00	#9 CO Flare Stack	Upset	Power blip caused Delta V to shutdown and auxillary motors to shut off, causing us to loose control of all three furnaces.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2019-101	11/19/2019 11:27 PM	11/19/2019 11:27 PM	0:00	#9 CO Flare Stack	Upset	Power blip caused Delta V to shutdown and auxiliary motors to shut off, causing us to loose control of all three furnaces.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-101	11/19/2019 11:25 PM	11/19/2019 11:26 PM	0:01	#9 CO Flare Stack	Upset	Power blip caused Delta V to shutdown and auxiliary motors to shut off, causing us to loose control of all three furnaces.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-101	11/19/2019 11:25 PM	11/19/2019 11:25 PM	0:00	#9 CO Flare Stack	Upset	Power blip caused Delta V to shutdown and auxiliary motors to shut off, causing us to loose control of all three furnaces.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-101	11/19/2019 11:24 PM	11/19/2019 11:24 PM	0:00	#9 CO Flare Stack	Upset	Power blip caused Delta V to shutdown and auxiliary motors to shut off, causing us to loose control of all three furnaces.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-101	11/19/2019 3:14 PM	11/23/2019 6:00 AM	86:46	#7 Vent Stack	Upset	Power blip caused Delta V to shutdown and auxiliary motors to shut off, causing us to loose control of all three furnaces.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-101	11/19/2019 1:12 AM	11/19/2019 12:45 PM	11:33	#8 Vent Stack	Upset	Power blip caused Delta V to shutdown and auxiliary motors to shut off, causing us to loose control of all three furnaces.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-101	11/18/2019 7:25 PM	11/18/2019 7:25 PM	0:00	#9 CO Flare Stack	Upset	Power blip caused Delta V to shutdown and auxiliary motors to shut off, causing us to loose control of all three furnaces.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-101	11/18/2019 3:19 PM	11/18/2019 3:37 PM	0:18	Main Stock BH Stack	Upset	Power blip caused Delta V to shutdown and auxiliary motors to shut off, causing us to loose control of all three furnaces.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-101	11/18/2019 1:59 PM	11/18/2019 2:32 PM	0:33	Main Stock BH Stack	Upset	Power blip caused Delta V to shutdown and auxiliary motors to shut off, causing us to loose control of all three furnaces.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-101	11/18/2019 1:30 PM	11/18/2019 2:36 PM	1:06	#8 Vent Stack	Upset	Power blip caused Delta V to shutdown and auxiliary motors to shut off, causing us to loose control of all three furnaces.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-101	11/16/2019 6:48 PM	11/16/2019 8:12 PM	1:24	#8 Vent Stack	Upset	Power blip caused Delta V to shutdown and auxiliary motors to shut off, causing us to loose control of all three furnaces.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-101	11/16/2019 6:43 PM	11/16/2019 7:46 PM	1:03	#7 Vent Stack	Upset	Power blip caused Delta V to shutdown and auxiliary motors to shut off, causing us to loose control of all three furnaces.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-101	11/16/2019 2:51 PM	11/16/2019 6:26 PM	3:35	#9 Vent Stack	Upset	Power blip caused Delta V to shutdown and auxiliary motors to shut off, causing us to loose control of all three furnaces.	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2019-100	11/13/2019 3:00 PM	11/13/2019 6:00 PM	3:00	Kiln Hydrosonic Stacks	Upset	Changed demister on hydrosonics causing parameters to fall below permit limits briefly	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-100	11/09/2019 5:00 AM	11/09/2019 7:00 AM	2:00	Kiln Hydrosonic Stacks	Upset	Changed demister on hydrosonics causing parameters to fall below permit limits briefly	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-099	11/09/2019 2:16 AM	11/09/2019 2:16 AM	0:00	#7 and 8 CO Flare Stack	Upset	Need to vent to repair a separator drain line Vent to do treater wash and troubleshoot 9-IB insulator	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-099	11/08/2019 11:32 PM	11/10/2019 11:32 PM	48:00	#9 Vent Stack	Upset	Need to vent to repair a separator drain line Vent to do treater wash and troubleshoot 9-IB insulator	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-099	11/07/2019 10:52 PM	11/08/2019 2:18 AM	3:26	#9 Vent Stack	Upset	Need to vent to repair a separator drain line Vent to do treater wash and troubleshoot 9-IB insulator	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-098	11/06/2019 7:00 AM	11/06/2019 8:16 PM	13:16	Kiln Hydrosonic Stacks	SSM	Kiln down for a mini delay some flows may be out of spec while feed is pulled	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-097	11/05/2019 6:30 AM	11/05/2019 12:10 PM	5:40	Nodule Venturi Stack	SSM	Water blasting the sprays and pump	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-096	11/01/2019 1:12 PM	11/03/2019 1:12 PM	48:00	#9 Vent Stack	Upset	Venting #9 FCE to effect repairs on the Collection tank	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-096	11/01/2019 11:01 AM	11/01/2019 11:15 AM	0:14	#9 CO Flare Stack	Upset	Venting #9 FCE to effect repairs on the Collection tank	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-096	11/01/2019 10:59 AM	11/01/2019 11:00 AM	0:01	#9 Vent Stack	Upset	Venting #9 FCE to effect repairs on the Collection tank	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-096	11/01/2019 10:58 AM	11/01/2019 10:59 AM	0:01	#9 CO Flare Stack	Upset	Venting #9 FCE to effect repairs on the Collection tank	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-096	11/01/2019 10:57 AM	11/01/2019 10:58 AM	0:01	#9 CO Flare Stack	Upset	Venting #9 FCE to effect repairs on the Collection tank	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-096	11/01/2019 10:56 AM	11/01/2019 10:57 AM	0:01	#9 CO Flare Stack	Upset	Venting #9 FCE to effect repairs on the Collection tank	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2019-096	11/01/2019 10:54 AM	11/01/2019 10:56 AM	0:02	#9 CO Flare Stack	Upset	Venting #9 FCE to effect repairs on the Collection tank	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-095	11/26/2019 2:34 PM	11/26/2019 2:56 PM	0:22	#8 Vent Stack	SSM	Routine maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-095	11/15/2019 5:07 PM	11/15/2019 5:08 PM	0:01	#7 and 8 CO Flare Stack	SSM	Routine maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-095	11/06/2019 7:45 AM	11/06/2019 1:45 PM	6:00	Main Stock BH Stack	SSM	Routine maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-095	10/30/2019 1:15 PM	10/30/2019 1:45 PM	0:30	Main Stock BH Stack	SSM	Routine maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-095	10/30/2019 10:10 AM	10/30/2019 10:20 AM	0:10	#9 CO Baghouse Bypass Stk	SSM	Routine maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-095	10/30/2019 9:55 AM	10/30/2019 10:05 AM	0:10	#8 CO Baghouse Bypass Stk	SSM	Routine maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-095	10/30/2019 9:40 AM	10/30/2019 9:50 AM	0:10	#7 CO Baghouse Bypass Stk	SSM	Routine maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-094	10/25/2019 6:15 AM	10/25/2019 11:59 AM	5:44	#7 Vent Stack	Upset	#7 furnace vented when 3 phase hoist went past final limit pulling the bell out of the seal	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-092	10/15/2019 5:00 AM	10/15/2019 6:00 PM	13:00	Kiln Hydrosonic Stacks	Upset	dP on# 4 train was outside permit limit	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-090	10/10/2019 1:16 PM	10/10/2019 2:30 PM	1:14	#105 BH Stack	SSM	Bag house work	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-090	10/10/2019 8:15 AM	10/10/2019 10:22 AM	2:07	Scaleroom BH Stack	SSM	Bag house work	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-089	10/08/2019 7:25 AM	10/08/2019 11:25 AM	4:00	#8 CO Baghouse Bypass Stk	SSM	Maintanance on 700, 800, 900 and 100 baghouses	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2019-089	10/07/2019 11:34 AM	10/07/2019 2:58 PM	3:24	Main Stock BH Stack	SSM	Maintenance on 700, 800, 900 and 100 baghouses	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-089	10/07/2019 10:54 AM	10/07/2019 11:25 AM	0:31	#7 CO Baghouse Bypass Stk	SSM	Maintenance on 700, 800, 900 and 100 baghouses	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-089	10/07/2019 8:18 AM	10/07/2019 10:47 AM	2:29	#9 CO Baghouse Bypass Stk	SSM	Maintenance on 700, 800, 900 and 100 baghouses	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-088	10/22/2019 9:00 AM	10/22/2019 8:00 PM	11:00	Kiln Hydrosonic Stacks	Upset	Hydrosonic parameters fell below permit limits while changing demisters	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-088	10/01/2019 2:00 PM	10/01/2019 8:00 PM	6:00	Nodule Venturi Stack	Upset	Venturi line leak	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-087	10/01/2019 1:35 PM	10/01/2019 4:37 PM	3:02	Nodule Reclaim BH	SSM	Pm and repair	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-086	09/30/2019 7:00 PM	10/01/2019 11:00 PM	28:00	Kiln Hydrosonic Stacks	Upset	The DP on the #2 train is not reading properly ph low 4500 tank	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-085	09/29/2019 4:37 PM	09/29/2019 4:38 PM	0:01	#7 and 8 CO Flare Stack	Upset	Broken electrode	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-085	09/29/2019 4:37 PM	09/29/2019 4:38 PM	0:01	#9 CO Flare Stack	Upset	Broken electrode	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-085	09/28/2019 8:25 AM	09/28/2019 10:40 AM	2:15	#9 Vent Stack	Upset	Broken electrode	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-085	09/27/2019 6:54 PM	09/27/2019 7:49 PM	0:55	#9 Vent Stack	Upset	Broken electrode	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-085	09/26/2019 11:24 AM	09/26/2019 11:25 AM	0:01	#9 CO Flare Stack	Upset	Broken electrode	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-084	09/26/2019 11:24 PM	09/26/2019 11:26 PM	0:02	#9 Vent Stack	SSM	Test nash class 2 interlocks	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2019-083	09/23/2019 1:00 AM	09/23/2019 2:00 AM	1:00	Kiln Hydrosonic Stacks	Upset	pH in SO2 system briefly fell below permit limit	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-082	09/24/2019 7:50 AM	09/24/2019 10:50 AM	3:00	Main Stock BH Stack	SSM	Inspecting 100 baghouse for dusting	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/17/2019 12:49 AM	9/17/2019 12:49 AM	0:00	#7 and 8 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/17/2019 12:45 AM	9/17/2019 12:45 AM	0:00	#7 and 8 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/17/2019 12:22 AM	9/17/2019 12:23 AM	0:01	#7 and 8 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/16/2019 11:57 PM	9/17/2019 12:01 AM	0:04	#7 and 8 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/16/2019 11:45 PM	9/16/2019 11:49 PM	0:04	#7 and 8 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/16/2019 11:45 PM	9/17/2019 12:23 AM	0:38	#9 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/16/2019 11:32 PM	9/16/2019 11:33 PM	0:01	#7 and 8 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/16/2019 11:32 PM	9/16/2019 11:34 PM	0:02	#9 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/16/2019 2:00 PM	9/16/2019 2:56 PM	0:56	Multiple Stacks	SSM	Baghouse maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	09/16/2019 10:20 AM	09/16/2019 4:15 PM	5:55	Coke Handling Baghouse Stack	SSM	Scheduled maintenance	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/14/2019 7:25 AM	9/14/2019 7:26 AM	0:01	#7 and 8 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2019-081	9/14/2019 7:25 AM	9/14/2019 7:26 AM	0:01	#9 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/14/2019 7:24 AM	9/14/2019 7:24 AM	0:00	#7 and 8 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/14/2019 7:24 AM	9/14/2019 7:25 AM	0:01	#9 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/14/2019 7:20 AM	9/14/2019 7:20 AM	0:00	#7 and 8 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/14/2019 7:20 AM	9/14/2019 7:20 AM	0:00	#9 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/14/2019 7:19 AM	9/14/2019 7:19 AM	0:00	#9 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/14/2019 7:14 AM	9/14/2019 7:14 AM	0:00	#7 and 8 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/14/2019 7:14 AM	9/14/2019 7:15 AM	0:01	#7 and 8 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/14/2019 7:14 AM	9/14/2019 7:14 AM	0:00	#9 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/14/2019 7:13 AM	9/14/2019 7:14 AM	0:01	#9 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/14/2019 7:12 AM	9/14/2019 7:13 AM	0:01	#7 and 8 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/14/2019 7:12 AM	9/14/2019 7:13 AM	0:01	#9 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/14/2019 7:11 AM	9/14/2019 7:11 AM	0:00	#7 and 8 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity

Event Number	Began	Ended	Duration (hr:min)	Source	Type of Event	Cause	Reported Permit Condition Exceeded	Information Provided on Excess Emissions
2019-081	9/14/2019 7:11 AM	9/14/2019 7:11 AM	0:00	#9 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/14/2019 7:10 AM	9/15/2019 7:10 AM	24:00	#7 and 8 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown. Additionally, on the night of the 16th, control problems on the quench pump valves on the Thermal Oxidizer caused lowflow tripping the TO off causing the all three furnaces to flare	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/14/2019 7:10 AM	9/14/2019 7:10 AM	0:00	#9 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-081	9/14/2019 7:07 AM	9/14/2019 7:07 AM	0:00	#9 CO Flare Stack	Upset	Flaring events occurred while kiln was shutdown	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-080	9/18/2019 10:12 PM	9/18/2019 10:50 PM	0:38	Multiple Stacks	Upset	Venter fan down	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-076	09/09/2019 7:50 AM	09/09/2019 9:50 AM	2:00	Nodule Reclaim BH	SSM	Blacklight test	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity
2019-072	9/10/2019 11:05 AM	9/10/2019 1:37 PM	2:32	Main Stock BH Stack	SSM	Planned maintenance on 8 fce	20% opacity limit (IDAPA § 625)	An estimate of the total quantity of the regulated air pollutant, measured as opacity, at times may be 80% to 100% opacity