

04-16-548546

State of Wisconsin Substance Release Notification Form
Department of Natural Resources Form 4400-91 (Rev. 12-04, e-form)
24-Hour Emergency Hotline Number: 1-800-943-0003

Form with multiple sections: Date & Military Time of Incident, Person Reporting, Responsible Party, Substance Involved, Spill Cause and/or Site, Action Taken By Spiller, Injuries, Other Agencies Notified, Prepared By, Spill Coordinator Signoff.

Date and Military Time Of Incident: hrs	Responsible Party:
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Additional Comments :

Case Activity Report: Yes No CAR#: _____ (Please, attach copy of all CAR and other documentation)

Enforcement Action: Yes No (Explain Below)



Applicable Requirements Information:

Duration				
Date	(hours)	Applicable Requirement	Pollutant	Emissions
9/6/2006	5.0	Applicable Limitation Reference: 2002 Consent Decree IV.B.16.d.: Estimated quantity of SO2 that was emitted during an AG or TG event Applicable Condition Reference: None: NA	Sulfur dioxide	430.4 Pounds
9/6/2006	0.0	Applicable Limitation Reference: 2002 Consent Decree III.A.3.: < 500 lbs SO2 (24 hr avg) Applicable Condition Reference: III.3.: 3. "AG Flaring Incident" shall mean the continuous or intermittent combustion of Acid Gas and/or Sour Water Stripper Gas in a Flaring Device that results in the emission of SO2 equal to, or in excess of, five-hundred (500) pounds in any twenty-four (24) hour period; provided, however, for the purposes of this Consent Decree, an incident which extends continuously for more than a 24-hour period will constitute one (1) AG Flaring Incident. The duration of an AG Flaring Incident shall be determined from its initial commencement until the time of its final termination. An AG Flaring Incident may entail the excess SO2 emissions from multiple sources within a 24-hour period provided that the flaring is associated with one common event.	Sulfur dioxide	NA
9/6/2006	1.5	Applicable Limitation Reference: 816009590-P01 I.E.2.b.(3): (3) The permittee shall at all times that amine acid gas is routed to the SRU and TGTU operate the SRU and TGTU. Applicable Condition Reference: None: NA	Sulfur dioxide	NA
9/6/2006	7.0	Applicable Limitation Reference: 816009590-P01 I.M.8.a.(2): (2) 500 ppmv (dry basis) carbon monoxide Applicable Condition Reference: None: NA 7 hours over FCCU 500 ppm CO limit	Federal Hazardous Air Pollutants (FHAPs), Metal HAPs	NA
9/6/2006	0.0	Applicable Limitation Reference: 816009590-P01 I.M.3.a.(1): (1) 20% opacity or number 1 on the Ringlemann chart. Applicable Condition Reference: I.M.3.b.(1): (1) The permittee shall comply with the requirements of M.2.b.(2), (3), and (4) at all times. [s. NR 431.05, Wis. Adm. Code] 34 six-minute periods over state 20% opacity limit.	Visible emissions	NA
9/6/2006	0.0	Applicable Limitation Reference: 816009590-P01 I.M.8.a.(1): (1) 1.0 pounds particulate matter per 1000 pounds coke burn Note: Calculate coke burn-off lbs per NR 440.26(7). Compliance with the 1.0 lb of particulate per 1000 pounds coke burn emission limit shall be determined by EPA Method 5B or 5F. Applicable Condition Reference: None: NA 15 six-minute periods over 30% MACT limit	Federal Hazardous Air Pollutants (FHAPs), Metal HAPs	NA



Duration				
Date	(hours)	Applicable Requirement	Pollutant	Emissions
9/6/2006	25.0	Applicable Limitation Reference: 816009590-P01 I.E.2.a.(2):250: (1) NSPS: 250 ppmvd SO2 (12 hr avg) Applicable Condition Reference: None: NA	Sulfur dioxide	NA
9/6/2006	13.0	Applicable Limitation Reference: 816009590-P01 I.E.2.a.(2):250: (1) NSPS: 250 ppmvd SO2 (12 hr avg) Applicable Condition Reference: None: NA	Sulfur dioxide	NA
9/7/2006	0.0	Applicable Limitation Reference: 816009590-P01 I.A.1.a.(1): (1) 39.3 pounds/hour sulfur dioxide averaged over any 12-hour period Applicable Condition Reference: I.A.1.b.(2): (2) The permittee shall comply with the most recent department approved hydrogen sulfide monitoring plan. Approval shall be in writing only. [s. NR 417.05, Wis. Adm. Code]	Sulfur dioxide	141.0 Pounds
9/7/2006	0.1	Applicable Limitation Reference: 816009590-P01 I.A.1.a.(1): (1) 39.3 pounds/hour sulfur dioxide averaged over any 12-hour period Applicable Condition Reference: None: NA	Sulfur dioxide	73.2 Pounds
9/6/2006	1.5	Applicable Limitation Reference: 816009590-P01 I.A.1.a.(1): (1) 39.3 pounds/hour sulfur dioxide averaged over any 12-hour period Applicable Condition Reference: None: NA	Sulfur dioxide	2883.9 Pounds



Event Information for: Boiler System Failure

Start Date: 9/6/2006
Start Time (24-hr time): 17:45
End Date: 9/7/2006
End Time (24-hr time): 9:00
Duration (hours): 15.3

Description: **Boiler System Failure**

Cause: **Circuit breaker tripped on the UPS feeding the boiler house combustion control system**

Comments: A circuit breaker tripped on the UPS feeding the boiler house combustion control system causing the boilers to shut down. The resulting process upsets due to lack of steam pressure caused exceedances of various limits.

Flaring: Low pressure compressor and acid gas flaring. Consent decree acid gas event.
SRU/TGTU: Exceeded 12 and 24 hour rolling SO2 average limits.
FCCU: 30% MACT opacity limit, 20% state opacity limit, and 500 ppm CO limit

Reporting Information:

Notification Date: 9/6/2006

Time (24-hr time): 17:45

Reported By: Liz Lundmark

Agencies Contacted:

- 1) Wisconsin Emergency Government - 1.800.943.0003
- 2) Douglas County Emergency Government, 715-395-1391
- 3) Wisconsin Department of Natural Resources, 715-365-8958

Name: Jane Xiong

Name: Kieth Kessler - message

Name: Neal Baudhuin - 9/7 message

Report Number: