# Tulane Environmental Law Clinic

6329 Freret Street New Orleans, Louisiana 70118-6231 (504) 865-5789 FAX (504) 862-8721

September 13, 2001

## Via Certified Mail, Return Receipt Requested

No. 7000 0600 0022 4264 5981

Mr. Eric Bluth, Chief Operating Officer & Refinery General Manager

Orion Refining Corporation

15292 River Rd.

New Sarpy, La 70078

No. 7000 0600 0022 4264 5974 Mr. Burgess E. McCranie, Jr. Registered Agent Orion Refining Corporation 3445 N. Causeway Blvd., #800 Metairie, La 70002

Re: Notice of Violations Pursuant to Clean Air Act § 304(b)(1)(A), 42 U.S.C. § 7604(b)(1)(A) and 40 C.F.R. Part 54 ("Prior Notice of Citizen Suits")

#### Dear Mr. Bluth:

On behalf of the Concerned Citizens of New Sarpy ("Concerned Citizens"), this letter provides Orion Refinery Corporation ("Orion") with notice of violations and prior notice of a potential citizen enforcement suit under Clean Air Act § 304(a)(1). That section authorizes citizens to respond to Clean Air Act violations with enforcement suits for injunctive relief and civil penalties.

The Clean Air Act requires that the Concerned Citizens wait to file an enforcement action at least 60 days after providing this notice.<sup>2</sup> That waiting period gives the parties a reasonable time to resolve the matter cooperatively, without litigation. If Orion is interested in exploring a cooperative resolution of this lawsuit, Orion should contact the attorneys for the Concerned Citizens at the address and phone number provided below.

The Concerned Citizens comprises New Sarpy residents whose health is at risk from breathing air that the Orion refinery has contaminated, who are at constant risk of injury from explosions and chemical emergencies at the refinery, and whose quality of life is damaged by the odors emanating from the refinery. The Concerned Citizens is an "association" and therefore a "person" with standing to sue to protect its members' health and legal rights under the Clean Air Act.<sup>3</sup>



<sup>42</sup> U.S.C. § 7604(a)(1).

<sup>&</sup>lt;sup>2</sup> 42 U.S.C. § 7604(b)(1)(A).

<sup>3 42</sup> U.S.C. § 7602(e).

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Under Clean Air Act § 304(a), the Concerned Citizens may file suit for injunctive relief and for civil penalties of up to \$25 thousand per violation per day for each Orion violation of any "emission standard or limitation" under the Act. "Emission standards or limitations" include without limitation any condition or requirement of a Clean Air Act permit, any requirement of Clean Air Act §§ 111 and 112,<sup>4</sup> any standard, limitation or schedule established under subchapter V of the Clean Air Act or under Louisiana's plan for implementing the federal Clean Air Act (the "state implementation plan").<sup>5</sup>

Congress created the Clean Air Act's citizen-enforcement provision to provide citizens with independent authority to enforce legal standards to protect their own health and to prod governmental agencies into more active enforcement.<sup>6</sup> The Concerned Citizens may sue about current violations and also about past violations where there is evidence that the past violations were repeated.<sup>7</sup>

This Notice focuses on four categories of violation: (1) Orion's violations of permitted emission limits for particulate pollution and other dangerous emissions, (2) Orion's violation of requirements that it install, maintain, and operate appropriate continuous emission monitors to protect the public health and welfare, (3) Orion's failure to provide prompt and sufficiently detailed reports of emergencies and other so-called accidents to the Louisiana Department of Environmental Quality ("LDEQ"), and (4) Orion's excessive emissions of sulfur dioxide and other pollutants during and after emergencies and other so-called accidents, including but not limited to startup emissions. Examples of these four categories of Orion's violations are provided below for illustrative purposes and not by way of limitation.

Orion is the person responsible for the violations. The violations were and are located at the Orion Refining Corporation Norco Refinery in New Sarpy, Louisiana. Based on information and belief, the violations began by at least September 13, 1996 and are ongoing.

<sup>442</sup> U.S.C. §§ 7411-12.

<sup>5 42</sup> U.S.C. § 7604(f).

<sup>&</sup>lt;sup>6</sup> Baughman v. Bradford Coal Co., 592 F.2d 215, 218 (3rd Cir.), cert. denied, 441 U.S. 961 (1979) ("Congress intended citizen suits to both goad the responsible agencies to more vigorous enforcement of the anti-pollution standards and, if the agencies remained inert, to provide an alternate enforcement mechanism"); S. Rep. No. 1196, 91st Cong. 2nd Sess. 36-39, reprinted in NRDC v. Train, 510 F.2d 692, 723 (D.C. Cir. 1975) (noting that "Government initiative in seeking enforcement under the Clean Air Act has been restrained. Authorizing citizens to bring suits for violations of standards should motivate governmental agencies charged with the responsibility to bring enforcement and abatement proceedings.")

<sup>&</sup>lt;sup>7</sup> 42 U.S.C. § 7604(a) (authorizing suit where a polluter "is alleged to be in violation" of a standard or order or "who is alleged to have violated [a standard or order] (if there is evidence that the alleged violation has been repeated)."

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#### Violations of Permitted Emission Limits for Particulate Pollution

Compliance testing has shown repeated violation by Orion of permit limits. For example, an LDEQ letter dated June 5, 2001 documents the State's May 24, 2001 receipt of a December 15, 2000 report on a compliance test on Boiler 401D; EP 94-45, Permit No. 2176-M1. The test confirmed that Orion's operation of the Boiler violates permit standards for particulate emissions. Indeed, the test results were 2.3 pounds per hour – more than 1.91 times above the permitted limit of 1.2 pounds per hour. When reporting these violations to LDEQ, Orion called them "unexplainably high particulate emissions" but noted that these results were "similar to previous tests." Clearly Orion has operated in violation of its permitted standard for some time, has repeated those violations, and continues to violate its permit limit in violation of, inter alia, LAC 33:III § 929.

EPA has found that particulate matter pollution is associated with "premature mortality [i.e., early death] and increased hospital admissions and emergency room visits (primarily in the elderly and individuals with cardiopulmonary disease); increased respiratory symptoms and disease (in children and individuals with cardiopulmonary disease such as asthma); decreased lung function (particularly in children and individuals with asthma); and alterations in lung tissue and structure and in respiratory tract defense mechanisms."

Rather than insisting on compliance, the State of Louisiana has apparently decided to take no action to abate Orion's violations. Indeed, LDEQ has suggested that the solution to Orion's violation of health-based emission limits is to increase Orion's permit limits, rather than reform Orion's operations. LDEQ has brought no enforcement action against Orion for these particulate limit violations. Instead, the State's letter states that: "The emission are over the permit limit . . . . It is understood that the boilers permit limit will be revised . . . ."10

The Concerned Citizens are *not* part of any understanding that Orion's permit limits will be relaxed rather than enforced and complied with. Indeed, no such extra-legal "understanding" is binding on the Concerned Citizens. Instead, Orion has a continuing obligation to comply with the law, despite any extra-legal "understandings" it may have with LDEQ. LDEQ can only change such permit limits *after* an appropriate public process, including notice to the public and an opportunity to comment and appeal.<sup>11</sup>

Orion Letter to LDEQ (dated May 18, 2001).

<sup>&</sup>lt;sup>9</sup> U.S. Environmental Protection Agency ("EPA"), Proposed Decision Re: National Ambient Air Quality Standards for Particulate Matter, 61 Fed. Reg. 65,638 (Dec. 13, 1996).

<sup>&</sup>lt;sup>10</sup> LDEQ Letter to Orion dated June 5, 2001 (emphasis added).

<sup>&</sup>lt;sup>11</sup> See Student Pub. Interest Research Group v. Fritzsche, Dodge & Olcott, Inc., 579 F. Supp. 1528, 1536-1537 (D.N.J. 1984), aff'd, 759 F.2d 1131 (3d Cir. 1985) (An administrative consent order that purports to extend impermissibly the Act's compliance deadlines will not bar citizen enforcement).

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Orion's emission violations are not limited to Boiler 401D. Testing has revealed similar particulate violations from the BELCO FCCU Unit (Permit No. 2176-M1). A June 5, 2001 LDEQ letter notes that testing reveals 88.5 pounds per hour of particulate emissions from that facility – a result that shows violation of the permit limit of 76 pounds per hour. The test also revealed violation of the unit's limit for carbon monoxide – documenting emissions of 1.2 pounds per hour over the permit limit of zero pounds per hour. Rather than enforcing Orion's permit limit, LDEQ states in its letter that "The compliance data will be used to set the [new] permit limits" – again suggesting that the State of Louisiana's proposed solution to Orion's violations is to relax health-based permit limits rather than to enforce them.

Orion also admitted that stack tests revealed that it is violating permit limits of permit numbers 2176 (M1) and PSD-LA-571 (M-1) by exceeding PM10 and SO2 emissions from the NHT splitter reboiler (EIQ # 94-28).<sup>13</sup>

Prompted by New Sarpy citizens, concerned with benzene levels in the air, Orion conducted its own ambient air tests around its facility on three separate occasions in October 2000. The results showed that from October 10th – 11th Orion exceeded the Louisiana Ambient Air Standard of 3.76 ppm for benzene by more than 50% with a concentration of 5.9 ppm.

## Violation of Continuous Emission Monitoring Requirements

In February 2001, certification testing was conducted on Orion's Vacuum Unit No.2b Heater sulfur dioxide continuous emission monitoring system ("CEMS"), as required by applicable emission permits. The Vacuum Unit No. 2B Heater CEMS operates under state permit 2575 and/or 2176-M1 and U.S. EPA permit PSD-LA-571 (M-1). Emission Testing Services, Inc. found in its February 1-15, 2001 tests that CEMS is not operating within specifications to receive certification. Specifically the SO2/02 CEMS failed to respond satisfactorily to the 7-day, 24-hour calibration drift test. Only six days of data were obtained which does not meet the minimum test requirements.

A June 5, 2001 LDEQ letter to Orion documents the fact that the sulfur dioxide CEMS for the BELCO FCCU also failed its certification test, *inter alia*, for carbon monoxide. Letters from that same date reveal that Orion's East Plant H2S CEMS (Permit No. 2176-M1) failed its certification test.

# Violation of Incident Reporting Requirements

On information and belief, Orion has violated and continues to violate LAC 33:III § 927 which requires notification of unauthorized discharges, as well as LAC 33:I §§ 3915, 3917, 3923, and 3925, which regulate the procedures for verbal and written notification of these unauthorized discharges.

LAC 33:III § 927 provides that:

<sup>12</sup> Letter from LDEQ to Orion dated June 5, 2001.

<sup>&</sup>lt;sup>13</sup> Orion letter to LDEQ (May 20, 1999).

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the unauthorized discharge of any air pollutant into the atmosphere shall be reported in accordance with the provisions of LAC 33:I, Chapter 39, Notification Regulations and Procedures for Unauthorized discharges. Written reports pursuant to LAC 33:I. § 3925 must be submitted to the department. Timely and appropriate follow-up reports should be submitted detailing methods and procedures to be used to prevent similar atmospheric releases.

LAC 33: III § 927. Orion has failed to adhere to many of the provisions of LAC33:I, Chapter 39.

For illustrative purposes only, and not by way of limitation, Attachment A to this notice is a chart that provides a nonexclusive list of violations found in Orion's incident reports over a sample brief nine-month period.

### 1. Failure to submit reports in accordance with LAC 33:1 § 3925

Orion has repeatedly submitted incident reports more than seven days following telephone notification, in violation of LAC 33:I § 3925(A). These reports, even when timely sent, frequently fail to include all the information specifically required by LAC 33:I § 3925 (B)(1)-(13). These omissions include but are not limited to: failure to include the date of the telephone report; failure to include the date(s), time(s) and duration of the unauthorized discharge; failure to report a discharge estimate within seven days; failure to state procedures or measures which have or will be adopted to prevent reoccurrence of the incident or similar incidents; failure to include a determination by Orion of whether or not the discharge was preventable and if not, an explanation of why the discharge was not preventable.

Often, Orion pledges to file a completed report within the next thirty days, only to make the same promise thirty days later. In some cases a final explanation and report detailing emissions is never sent. There is no provision in LAC 33:1 § 3925 for extensions.

The written notifications to the LDEQ often are not clearly marked "UNAUTHORIZED DISCHARGE NOTIFICATION REPORT," as required by LAC 33: I § 3925(C).

## 2. Failure to submit reports in accordance with LAC 33:I § 3915

On information and belief, Orion has failed to report unauthorized discharges that cause emergency conditions to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline within 1 hour, in violation of LAC 33: I § 3915. 14

Orion's first quarter 2000 CEMS Report for Thermal Oxidizer, Sulfur Recovery Units and Tail Gas Units covering 1/1/01 thru 3/31/01 fails to list excess emissions found in incident

<sup>14 &</sup>quot;Failure to comply with any of the provisions of these regulations constitutes a violation of the Louisiana Environmental Quality Act (R.S. 30:2001 et seq.). Each day of failure to give the required notification shall constitute a separate violation and shall be in addition to any other violations of the act." LAC 33:1 § 3909.

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reports and vice-versa. Specifically, there is no incident report for excess emissions due to sulfur recovery unit restart or shutdown on 1/2/01, 1/3/01, or 1/08/01. And while an incident report for sulfur recovery unit shutdown on 1/14/01 lists the time of shutdown at 5:00 a.m. with all systems operating normally by 7:00 a.m. that same day, the CEMS report states the time of shutdown as 2300 on 1/14/01 with the ending time at 1300 on 1/15/01. Furthermore the CEMS does not include excess emissions found in incident reports 01-00236 and 01-00299.

Orion's fourth quarter progress report to LDEQ, covering a monitoring period from October 1, 2000 to December 31, 2000, neglects to mention that the Sulfur Recovery Unit #1600 was responsible for more than 16.5 tons of sulfur dioxide emissions during that same period. In fact, final emission results for incident # 00-06066, involving problems with the Tailgas Units for the 1600 and 3700 units, were never reported.

#### Excessive Emissions of Sulfur Dioxide and Other Pollutants

The purpose of regulations and procedures for reporting unauthorized discharges is to "provide the department with the discharge information that may be used to insure compliance with permit terms and conditions." LAC 33:I § 3903(D). Orion's incident reports often refer to emission sources in the facility in a manner that is inconsistent with the names used in their permits. Although this failure – combined with poor record keeping at LDEQ – makes it difficult to determine compliance with each emission source, the Concerned Citizens allege on information and belief that Orion Refinery Sulfur Dioxide emissions are in violation of permitted limits for sulfur dioxide and other pollutants.<sup>15</sup>

# The Persons giving notice and identification of counsel

The persons giving notice are:

Concerned Citizens of New Sarpy Ms. Dorothy Jenkins, President 270 St. Charles Street New Sarpy, LA 70047

All communications, however, should be through counsel:

Tulane Environmental Law Clinic Attn: Adam Babich, Director 6329 Freret Street New Orleans, La 70118 Phone: (504) 865-5789

Phone: (504) 865-5789 Fax: (504)862-8721

<sup>&</sup>lt;sup>15</sup> A May 2001 report lists Orion's Sulfur Recovery Units 3 through 5, permitted under U.S. EPA permit PSD-LA-571 (M-1) with emission point numbers 94-3, 94-4, and 94-5 as allowed maximum emission rates each of 37 pounds per hour and 155.8 tons per year of Sulfur Dioxide emissions. Orion's sulfur recovery units have been responsible for Sulfur Dioxide emissions in excess of such permitted maximum caps.

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#### Conclusion

If you believe that any portion of this Notice is in error or if you wish to discuss any portion of this Notice, please contact Adam Babich at the address and phone number listed above within the next 60 days.

Sincerely,

TULANE ENVIRONMENTAL LAW CLINIC

Adam Babich (SBN 27177), Attorney for The

Concerned Citizens of New Sarpy

6329 Freret Street

New Orleans, LA 70118

Phone: (504) 865-5789

Fax: (504) 862-8721

Notice Prepared By Tulane Law School Students, Tulane Environmental Law Clinic

CC:

No. 7000 0600 0022 4264 5967
Ms. Christine Todd Whitman, Administrator
U.S. EPA
401 M Street, SW
Washington, D.C. 20460

and by U.S. Mail:

Mr. Gregg A. Cooke, Regional Administrator. U.S. EPA, Region 6 1445 Ross Avenue Dallas, TX 75202-2733 No. 7000 0600 0022 4264 5950 Mr. J. Dale Givens, Secretary Louisiana Department of Environmental Quality P.O. Box 82263 Baton Rouge, La 70884-2263

Governor Foster Office of the Governor P.O. Box 94004 Baton Rouge, LA 70804 ATTACHMENT "A" TO NOTICE OF ORION VIOLATIONS

Attachment "A" to Notice of Orion Violations

LAC 33:III § 927 provides that the unauthorized discharges of air pollutant must be reported in accordance with the provisions of LAC 33:I. Chapter 39. Written reports, pursuant to LAC 33:I § 3925, must be submitted to DEQ within seven calendar days after the required telephone notification unless otherwise provided for in the permit or other department regulation. Timely follow-up reports should be

submitted detailing methods and procedures to be used to prevent similar atmospheric releases. The submittal date will be determined by the date of the postmark on the envelope accompanying the written notification report or by the date of the receipt by the department if submitted by fax. The dates and times of the discharge and verbal notification must be included in the reports. Pursuant to LAC 33:I. §3915 notification of unauthorized discharges which cause emergency conditions must be made to the Department of Public Safety (DPS) 24-hour Louisiana Emergency Hazardous

than one day. Dischargers are not relieved from any requisite written notification procedures in LAC 33:1§3925 or of any permit or license terms and conditions issued under the Louisiana Environmental or rate of discharge. One notification is sufficient for an unauthorized discharge that continues for more than one day if the initial notification clearly states that the discharge is expected to continue for more Materials Hotline within one hour of learning of the discharge. This notification is to be made regardless of the amount of the discharge. The Hotline must be immediately notified of any change in the nature

DPS will notify DEQ of unauthorized discharges which require notification to the hotline.

*	;	*	**			00-2319	Incident Report #
*	;		**			5/01/00	Incident Date
6/30/00 (received 7/12/00)	6/19/00	(received 6/15/00)	6/05/00			5/05/00	Letter Date
Malfunctioning instrument associated with Combustion Air Blower valves in the 3700 Sulfur Recovery Unit – caused shutdown at 5:45 am 5/01/00. Total excess emissions resulting from the shutdown of the 3700 Sulfur Recovery Unit were 4 tons per hour (during shut down 639 tons). Emissions were attributable to operation of crude and NHT units and catalyst sulfiding in B Train of the DHT unit. 1600 Sulfur Recovery Unit brought online at 9:30 pm on 5/7/00 resulting in total excess emissions of 1.3 tons per hour = 159 tons (estimate since exact time Tailgas unit brought online on 5/12 not specified) emissions attributable to Crude, Coker, and DHT Units.					days.	Unable to provide final incident report at this time. Intend to within next 20	Specifics of Incident
798 tons (in excess of permitted limits) (1,596,000 lbs)							Amount emitted
·					5/01/00 - 3am		Telephone Reports to DPS
letters follow up to \$3925(B)(3) letters dated 5/5, \$3925(B)(8) 6/5 and 6/19	follow up to 5/5 and 6/05	follow up letter	required.	sulfur dioxide from refinery on 5/1/00 within 5 days	report of release of		Subject of letter
§3925(B)(3); §3925(B)(8)	§3925(B)			4.	LAC 33:I§3925(B)	violated	Permit or regulation

	00-	90	3 5	8 8	3	8			
	00-02774	00-02772	00-02/44	00-02/30 (B)		00-02730 (A)	00-02363		00-02381
	5/22/00	5/22/00	5/19/00	5/19/00	5/17/00 (Date mix up in letter)	**	5/02/00	2,01,00	5/01/00
	5/26/00	5/26/00	5/26/00	5/26/00	5/24/00	5/26/00	5/09/00	6/08/00	Cinadia
of 2nd set of coke drums in the Coker Unit caused the Coker unit wet gas compressor's spill back valve to malfunction causing the wet gas compressor to trip off.	Startup of 2nd set of coke drums in the Coker Unit caused the Coker unit wet gas compressor to trip off due to excessive condensate build up in wet gas compressor's interstage knockout drum.  Incident berge at 6.70 c. 6.70 c. 1.	Incident began at 3:10 am on 5/19/00 and ended at 3:35 am on 5/19/00 Incident occurred during the startup of the 2 <sup>nd</sup> set of coke drums in the Coker Unit which caused a sudden increase in feed to the sulfur recovery unit causing the sulfur recovery unit to trip off	Incident began at 12:40 am on 5/19/00 and ended at 12:50 am 5/19/00. Incident occurred as a result of a level indicator malfunction that caused the sulfur recovery unit tail gas unit to trip off.	Incident began at 11:25 a.m. 5/19/00 and ended at 11:55 am 5/19/00. This incident occurred because the knockout drum liquid level pump malfunctioned causing a high level in the knockout drum that ultimately resulted in the wet gas compressor tripping off.	Incident began at 7:20 PM and occurred during startup of C-heater in the Coker unit which caused the Coker unit wet gas compressor to trip off due to excessive condensate build up in the wet gas compressor's inter-stage knockout drum.	Fire occurred at 3:50 pm May 2, 2000 and was extinguished essentially immediately. Fire occurred as a result of a small quantity of residual product (Naptha) igniting during maintenance activity in storage tank.	Small fire in an empty storage tank. Unable to provide final incident report – intend to within 30 days	Incident occurred during routine maintenance activity during restart of Coker Unit. Two Orion and two contractor employees were completing repair and replacement of a check valve downstream of the Blowdown Tower bottoms pump. Solidified residual oil in pump broke free exposing employees to hot process materials (residual oil)	
12,200 lbs of sulfur dioxide	6,800 lbs of sulfur dioxide.	9,700 lbs of sulfur dioxide.	65 lbs of sulfur dioxide (incident is a nonreportable	14,000 lbs of sulfur dioxide	4,800 lbs of sulfur dioxide		residual oil	2 Orion and 2 contractor employees were hospitalized after exposure to hot	
Release reported 6:25 am on 5/22/00	Incident reported at 5:25 am on 5/22/00	Incident reported 5/19/00 at 3:30 am	Incident reported at 2:10 am on 5/19/00	Incident reported on 5/19/00 at 12:40	Incident reported 5/17/00 at 7:30 pm	2000.	Reported fire at 4pm on May 2,	5/08/00 Sheriff department called to transfer injured employees to medical facilities	
					Incident report			follow up to report submitted on 5/9 (hot oil burn)	
§3925 (B)(7) §3925(B)(8) §3925(B)(13)	§3925 (B)(7) §3925(B)(8) §3925(B)(13)	§3925 (B)(7) §3925(B)(8) §3925(B)(1:		§3925 (B)(7) §3925(B)(8) §3925(B)(13)	§3925(A) §3925 (B)(7, §3925 (B)(8) §3925(B)(13)	§3925(B)(8) §3925(B)(13)	§3925(A)(1)	\$3925(A)(1) \$3925(B)(2) \$3925(B)(3) \$3925(B)(8) \$3925(B)(13)	

lared as	_	the possibility of flaring. Sulfur dioxide was flared as a result of startup of the Report
SCC and		
to withi	Unable to provide final incident report will try to within next 30 days.  No Rer	n next 30 days. No final Incident ** Report
		**
		**
		**
releasi in next	Reported Fire and release of sulfur dioxide and release of oil into ditch. Unable to provide final incident report will try to within next 30 days	e of oil into ditch. Unable 30 days **
		*
Reported release of sulfur dioxide from refinery and reprospect ave. Intend to provide final incident report within 30 days	Reported release of sulfur dioxide from refinery and release of oil to ditch along prospect ave.  Intend to provide final incident report within 30 days.	elease of oil to ditch along 5:45 pm on 6/12/00
dents Vet G Clude iminat		were caused by failure of dioxide at 4:00 am and 4:50 modifying the compressor te the high flow trips while
ssor in has the		
oyees	ure to hot oil	A 3300 IL 6 16
unit that resulted in the wet gas compressor shutting	Coker	s compressor in the Coker (approximate at 2:10 am on total)  8,000 lbs Incident reported at 2:10 am on 5/29/00
led at malf	Incident began at 12:35 pm on 5/25/00 and ended at 1:00 pm on 5/25/00 9,0 This incident occurred because of an instrument malfunction that resulted in the Sulf Coker unit wet gas compressor tripping off.	
ed at coke malf	incident began at 7:25 am on 5/22/00 and ended at 9:25 am on 5/22/00. This incident occurred during startup of 2nd set of coke drums in the Coker Unit when the wet gas compressor's spill back valve malfunctioned causing the wet gas compressor to trip off.	9:25 am on 5/22/00. This 18,400 lbs of Release reported at drums in the Coker Unit sulfur dioxide 7:35 am on 5/22/00 unctioned causing the wet

	7			·····	<del></del>		·				
00-04398	shutdow minutes unit, did  TOTAL for July 2000: 168,9425 tons of sulfur dioxide	00-04300	00-04282	00-04216		*	00-04159	00-04100	00-04027	TOTAL Jun	•
8/01/00	y 2000: 168.9	7/27/00	7/26/00	7/24/00		*	7/21/00	7/28/00) 7/18/00	7/15/00	e 2000: 56,777	
8/08/00 (received 8/14/00)	125 tons of sulf	8/10/00)	8/02/00	7/31/00	9/25/00)	(received on 8/10)	7/28/00	7/25/00	7/21/00	lbs (28.3885 To	
cal problem with Coker wet gas compressor - functioning inefficiently, a portion of Coker wet gas was flared to keep machine operating, spected the problem was due to inadequate stream flow to the	system pressure reached the high-pressure set point in the emergency n system. The Sulfur Recovery Unit was put back online within 30 but the downstream portion of the sulfur recovery system, the tailgas not immediately re-start due to problems with the igniter.  ack to normal by 5:30 pm next day.		<del></del>	<del></del>	Compressor shutdown at approximately 1:25 p.m. and was down for approximately 30 minutes. (courtesy call)	investigation not completed	level. Compressor could not be alve. Repaired valve reinstalled interstage level indicator gave	Release began at 6:49 pm on 7/18 when a safety desire that do not and was	00-04027 7/15/00 7/21/00 Release occurred during the starting of the day of the starting of the day of the starting of the day of th		Unable to provide final incident report will try to within next 30 days
137 tons of sulfur dioxide (approximately)	dioxide	dioxide	from refinery's flare system.	quantity) 11 tons of sulfur	400 lbs of sulfur dioxide (less than the reportable		(roughly 125. 8 tons) of sulfur dioxide emitted.	Less than 2,000 lbs.			
8/01/00 at 8:10 a.m.	//2//00 at 1:15 pm	//26/00 -10:20 pm	pm	Reported at 3:35	Incident reported at 1:35 pm on 7/21/00	Incident reported at 1:30 pm on 7/21/00	Incident reported at 7:20 pm on 7/18/00	Incident reported at 6:00 pm on 7/15/00	0120100	sulfur flare reported on 6/28/00	10:00pm.
					Courtesy call					5 days.	within required
§3925(B)(3) §3925(B)(8)	§3925(B)(8)	§3925(B)(3) §3925(B)(8)				§3925(A)		§3925 (B)(8) §3925 (B)(3)			Po

					T		T			
000000	00-04804	*	*	*	00-04659	00-04382	00-043/6	**	00-04521	
00,007,0	8/17/00	*	*	<b>‡</b>	8/11/00	8/09/00	8/08/00	*	8/06/00	
0/4/00	8/24/00	12/17/00 received 12/18/00	11/17/00	10/18/00 received 10/27/00	8/18/00	8/16/00	8/14/00	9/11/00 (received 9/25/00)	8/11/00	
Kelease of sulfur dioxide from Thermal Oxidizer, resulted from an automatic shutdown of the 1600 Sulfur System's tailgas unit. Shutdown due to a faulty	Release of sulfur dioxide from the refinery flare system. Incident began at 1:30 pm when a motor failed on one of the Coker interstage knock out drum pumps. A portion of the Coker offgas was flared to prevent the drum from reaching a high liquid level	A final written report will be submitted within next 30 days	**	**	Automatic shutdown of Coker wet gas compressor. Report will be completed within next 30 days.	Incident occurred between 12:15 am and 11:30 am. Release of sulfur dioxide from the thermal oxidizer. The tailgas burner in our 3700 Unit automatically shut down due to a high temperature condition caused by low flowrates. Operations unable to get the burner relit.	Electrical power failure in WEST PLANT	Shutdown of Coker Wet gas compressor. A high interstage liquid level caused the automatic safety shutdown of the compressor. Operators were unable to engage the drive mechanism due to a damaged throttle trip valve. Valve sent offsite for repairs and reinstalled on 8/10/00. Compressor back in service at 2:30 pm on 8/10/00.  Refinery has ordered a 3rd pump for this knock out drum — installation, scheduled for late September, will greatly reduce potential of similar incidents.	Shutdown of Coker Wet gas compressor. Final report submitted within next	compressor caused by plugging of the strainer upstream of the throttle trip valve.  The compressor was shut down and the strainer was removed. The compressor was back online at 1:30 am on August 3 – the Coker throughput was reduced to a minimum of a four drum operation to minimize the emission of sulfur dioxide.
130 lbs of sulfur dioxide (therefore	5,200 lbs of sulfur dioxide was released between 1:30 and 7:00 pm — an average of 960 lbs per hour.	Final emissions report not completed.				6,000 pounds of sulfur dioxide from the thermal oxidizer	No excess emissions	196 tons of sulfur dioxide		
8/20/00 at 4:55 pm	8/17/00 at 5:00 pm				8/11/00 at 4:10 pm	8/09/00 at 1:40 am	8/08/00 at 4:00pm	8/06/00 at 4://0pm	8/06/00 at 4:00 pm	
courtesy call							courtesy call			·
	§3915(A)(1) §3925(B)(8)	§3925(B)			§3925(B)	§3915(A)(1) §3925(B)(8)		§3925(B)(3)	§3925(B)	. *

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**	344 9/07/00 9/14/00 (received 7/22)	6 9/03/00 9/11/00 9/25/00	ussions: 338.66 Ton	** 10/06/00	-	
recovery system resulting in sulfur dioxide  1 a flame detection device automatically  This unit was off for approximately 65  shut down at 2:38 am when the main turbine shut down at 4:38 am when the Blow off to be	Mechanical problems with sulfur recovery system resulting in sulfur dioxide emissions from flares.  Final incident report within 30 days.	efinery's 3700 Sulfur Uniting in emissions of sulfur blower controls system.	orted; employee burned	A formal investigation of this incident was not port will be provided within next 30 days.	ire was the result of a seal failure on one of the alk!	15 minutes.
24,000 lbs of sulfur dioxide (12 tons)		15.7 tons of sulfur dioxide	Less than reportable quantity (500 8/31/00 at 10:00am pounds)		Refinery operator injured with 1st and 2nd degree burns.	less than the reportable quantity
9/07/00 at 2:35	therefore 2 #'s 9/7/00 at 2:35 am	9/03/00 - called local emergency response center but unable to notify the Haz. Mat. hotline due to agency hotline problems 2 people reported it on Reported incident on Tuesday 9/05/00 -	8/31/00 at 10:00am	8/31/00 at 10:00	8/27/00 at 11 am	
			courtesy call			•
§3925(b)(2)) §3925(B)(8)	§3925(B)(3) §3925(B)(5) (see also	\$3915(A)(1) (phone problems for 2 days) \$3925(A) \$3925(B)(3) (see also \$3925(b)(2))		§3925(A) §3925(B)(2) §3925(B)(3) (see also §3925(b)(2))	§3925(B)(3) §3925(B)(8)	ра

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			less than 20 minutes.  (Discussion of bottlenecks and addition of a 3rd pump to pump liquid out of drum more quickly. Orion intends to increase horsepower on other pumps and to redesign suction piping to the 3 pumps to maximize their ability to pump condensed liquids away.				
Total for Sept	ember 2000: 3	Total for September 2000: 31.2 Tons of Sulfur dioxide	fur dioxide	-			
00-05952	10/03/00	11/10/00	Shutdown of Coker unit. Sulfur dioxide emissions from flares.  Final emissions estimate not completed – therefore unable to provide final repot at this time.		10/03/00 at 8:00 am		§3925(A) §3925 (B)
:	:	12/07/00	Shutdown of Coker unit required when motor for coke pump failed. Motor sent offsite for repair. Inability to keep Tail Gas Unit in operation yielded emission of sulfur dioxide from the Thermal Oxidizer stack.  Units back online and functioning "by early morning" on 10/06	12.8 tons of sulfur dioxide	10/03/00		§3925(B)(2) §3925(B)(3) §3925(B)(8)
00-06066	10/6-7/00	1/12/01	the burner fire	6lbs of sulfur	10/06/00 at 10:15	courtesy call	
00-06054	10/06/00	10/13/00	safety shutdown unacceptable low a relay that in turn	11,000 lbs of sulfur dioxide released (5.5 tons)	10/06/00 at 11:20 pm		§3925(B)(8)
00-06082	10/07/00	10/13/00	Problems with 3700 Unit resulting in emissions from flares. Unable to complete emissions estimate		10/07/00 at		§3925(B)
*	*	11/13/00	**		mongue		**
* *	* *	12/13/00	**				**
	;	1/12/01	Problems with 3700 Unit - result of a faulty instrument on a blower blow-off valve - replaced by maintenance on 10/08/00.	58 tons of sulfur dioxide released	10/07/00 at midnight		§3925(B)(3) §3925(B)(8)
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00-05826 \* 9/27/00 \* \* \* 11/30/00 12/22/00 10/04/00 Problems with Coker Wet Gas Compressor system resulted in Sulfur Dioxide 3.5 tons of sulfur emissions from flares. Incident occurred because of a high liquid level in the interstage drum.

Compressor initially tripped at 7:15 am and was back to normal operation in less than 20 minutes. Operators switched to spare blower and had the sulfur recovery unit restarted in approximately 30 minutes.

The downstream tailgas unit was back in service at 4:07 am.

Problems with Coker Wet Gas Compressor system resulting in Sulfur Dioxide \* \* emissions from flares. Final Report not completed \* 9/27/00 at 7:30 am \* 9/27/00 at 7:30am §3925(B)(3) 3925(B)(5) \* \* \*

§3925(B)(2))			Final emissions estimate not completed.	11/6/00		
§3925(A) (see	10/18/00 at 1:40		Problems with Thermal Oxidizer resulting in emissions of sulfur dioxide from flares.	received	10/10-17/00	
			Refinery shut down to eliminate emissions from flares while repairs made to oxidizer burner assembly.	1000		00-06302
			problems with the burner assembly in the oxidizer (see incident report 00-06302 1/19/01).			
			15th due to continued flame instability. Determined that there were mechanical			
			Oxidizer tripped several times between 7:30 am on the 14th and 7			
	ļ	dioxide	am - operating problems operations of the burner. The oxidizer was relit at 10:30			
	10/14/00 at 7:55	tons) of sulfur	Device shutdown automatically when the fire eye detected a loss of flame and			
*	**	1 600	Reported shutdown of Thermal Oxidizer.	1/19/00	*	#
**	*		**	12/20/00	*	*
			**	11/20/00	**	* **
	am		Final emissions estimate not complete			
§3925(B)	10/14/00 at 7:55		Reported problems with Thermal Oxidizer resulting in emissions of sulfur	10/20/00	10/20/00	
			Unable to determine a specific cause for the instrument malfunction.	10/20/20	10/14 15/00	00-06227
			the sulfur recovery unit back in service in approximately one hour			
(c)(a)czcck	hours	dioxide	water level and an automatic shirtday of the			-
£3036/B/Y3	10/09/00 at 0020	6 tons of sulfur	Problem with 1600 Sulfur Unit and the 1600 Tail Gas Unit.	12/15/00		
*	10/09/00 at 12:35				:	*
§3925(B)(8)	I A		r inal emissions estimate not complete	11/16/00	*	**
§3925(B)(3)	10/09/00at		from flares.			
§3925(B)(8)			Problems with 1600 sulfur Unit and the 1600 tailess unit resulting in emissions	10/16/00	10/09/00	76090-00
§3925(B)(5)	pm	report not complete	Final emissions report not complete			00 0000
§3925(B)(3)	10/08/00 at 10:15	Final emissions	emissions from flares.			
			Problems with the Tailer II is	12/12/00	**	*
*	**		emissions from flares.			
§3925(B)(8)			Problems with the Tailgras Units for both the 1600 and 2700 II.:	11/13/00	*	*
§3925(B)(5)	pm		Final emissions report not complete			
§3925(B)(3)	10/08/00 at 10:15		rronzems with the Tailgas Units for both the 1600 and 3700 Unit resulting in	.0,000		
		from flare system		10/13/00	10/08/00	00-06066
d a		-				

Totals for Oc	•	+ +	* *	00-06386		*	*
tober 2000: 85.7	*	*	*	10/22 -23/00		**	*
'5 Tons of Sulfur	1/22/01	12/22/00	11/27/00	10/27/00 (received 11/06/00)		1/19/00	12/20/00
Totals for October 2000: 85.75 Tons of Sulfur Dioxide; All final incident reports not complete.	ding air permit limits on the cident it was determined that of 500 lbs.	**	**	shutdown the flow of natural gas to the burner.  Sour water striper off gas was diverted to the flares to reduce the load on the sulfur recovery system. Coker throughput and hydrotreating severity were reduced – to reduce the load on the sulfur system.  Feed to the crude unit and other downstream units was pulled at 0300 on morning of 10/19.  A service company was brought in to scan the inlet piping to the oxidizer to determine if there was a pluggage in the line.  Found mechanical damage to the burner assembly- repairs made and refinery was restarted on 10/22 – the sulfur recovery system was brought back online at 4:40 pm on the 22nd.  Thermal oxidizer emitting sulfur dioxide  Final emissions estimate not completed.		Problems with the Tr.	**
	NOT EXCEED reportable quantity of 500 lbs			sultur dioxide released from the flares	2,300 pounds (1.15 tons) of		
startup notification	10/22/00 at 1:10 am notified agencies in process of restarting the refinery at 1:45 called in an update to the	**	gave all clear	10/22/00 at 1:08 am notified agencies in process of restarting the refinery at 1:45 called in an update to the startup notification -20 hours later	10/18/00 at 1:30	10/18/00 at 1:40	10/18/00 at 1:40
	Courtesy call						
				\$3925(B) \$3925(A) (see \$3925(B)(2))	§3925(B)(3)	*	§3925(B)

		_													*										
	00-06921	*		00-06869			*		00-06845				00-0808	00 07808		-				*		00-06725			L-06672
	11/18/00	*		11/16/00			*		11/14/00				11/12/00							**	11,00,00	11/08/00			11/05/00
	11/27/00	12/21/00	received 12/06/00	11/21/00		1	12/20/00	received	11/21/00				11/17/00							1/15/01	00/01/21	17/15/100			11/05/00   11/10/00
flares.  Final investigation not complete	<del>├</del>	**		he safety shutdown mechanism bility for future nuisance trips.	compressor control system.	Shutdown was result of a high first stage differential pressure reading. The	rinal report and investigation not complete.	emissions.	Studiown of the blower, no indication of mechanical problems	Investigation completed – unable to determine the cause of the high vibration	The downstream Tail gas unit was restarted and back online at 10.000.	air blower shutdown the blower and resulted in the emergency shutdown of the	Reported a shutdown of 3700 Sulfur Unit. A high vibration reading on the main	approximately 8 P.M. and operation was hack to normal at 8.20	resulting in the release of the sulfur dioxide. A portable air compressor was	A portion of the sour water striper off-gas was vented to the flare system	Refinery operates 2 distinct sulfur recovery systems: the 1600 unit and the 3700 Unit.	startup of the 1600 Sulfur Unit.	oxidizer when the flame became unstable. Flame instability was caused by the	Shutdown of thermal oxiding. The fi	Thermal oxidizer tripped causing the possibility of SO2 releasing through flares.		A specific cause of shutdown will be provided in a follow up report.	a flow instrument detected low flow to the compressor.	At 6.50 am the California
	Final investigation not completed			emitted during this 29 minute period.	dioxide (CAS #7446-09-05) was	Approximately 2 tons of sulfur					from flare system	dioxide emitted	20			evening.	and 8:00pm that	between 5:30 am	5 tons of sulfur			6:50 and 7:13 am	dioxide between	3200 pounds (1.6	po !
11/18 at 5:30	11/16 at 9:40 am		11/16 at 9:40 am			11/14/00 at 11:15 am		11/14/00 at 11:15				am			-			am	11/08/00 at 6:30	6:30am	11/08/00 at		reported shutdown	11/5/00 at 7:00 am	
<b>5</b> 05	95	200	or or			·	, io	2 903				oi rò									en.				vo i
§3925(B)	§3925(B)	§3925(B)(2))	§3925(B) §3925(A) (see	·		((2)(4)(2)	93925(A) (see	§3925(B)				§3925(B)(3) §3925(B)(8)			1						§3925(A)				799

			0	0	T										
	00-07267	Total November	00-07070	00-07008			**	00-00702				*	00-07008		*
	12/07/00	er 2000: 54 8 T	11/26/00	11/22/00		11/22/11	11/22/00		+			**	11/22/00		*
	12/14/00	one of Sulfur D	12/01/00	12/1/00		12/22/00	12/01/00	11/29/00				1/22/01	12/01/00		1/22/01
·	Unit resulting in SO2 emissions.		ur Recovery Unit resulting in SO2 emissions.		The compressor initially tripped at 5:45 am and was back to normal operation at 6:25 am.  (improvements: addition of a 3rd pump, and intend to increase horsepower.)	Reported shutdown of Coker Wet Gas Compressor resulting in emissions of sulfur dioxide. Incident occurred because of high liquid level in the interstage drum.	Reported problems with Coker Wet Gas Compressor resulting in emissions of sulfur dioxide.	Reported problems with the 3700 Sulfur Recovery Unit resulting in emissions of sulfur dioxide.  Final investigation not complete	due to loose wires on the B blower PLC)	the A blower was started and the SRU was back online at 8:40 am.  (recommendations as a result of investigation	<del></del>	Reported shutdown of 3700 Sulfur Recovery Unit (SRU). At 7:30 am the SRU	Reported problems with the 3700 SRU Tail Gas Unit resulting in emissions of sulfur dioxide from flares.  Final investigation not completed	<u> </u>	Reported shutdown of 3700 Sulfur Recovery Unit resulting in emissions of
	26.5 tons of sulfur dioxide	not completed	Final investigation	Final investigation		l ton of sulfur dioxide					dioxide released	1.2 tons of sulfur		dioxide	14 tons of sulfur
	12/07/00 at 5:00	pm	11/26/00 at 10:00	11/22/00 at 8:00		11/22/00 at 6:00	11/22/00 at 6:00	11/20/00 at 1:pm			am	11/22/00 at 8:00	11/22/00 at 8:00am		11/18 at 5:30am
					-			4							
		37727(27)	§3925(B)	§3925(A)		§3925(B)(2)	§3925(A) 3925(B)	§3925(A) §3925(B)					§3925(B) §3925(A)		§3925(B)(8)

page 1º

					and "		
0007330	00 07538	00-07495	00-07487	00-07467	00-07431	0-07426	
12/22/21		12/20/00	12/20/00	12/19/00	12/17/00	12/17/00	
1/02/01	200	1/02/01 received 1/12/01	1/02/01	12/22/00	1/22/01	1/22/01	
Shutdown of Thermal Oxidizer.	Reported problems with Wet Gas Compressor resulting in SO2 emissions from flares. Compressor shutdown automatically due to sudden loss of steam pressure when Boiler 401D tripped due to low steam drum water level. H2O level dropped when operators started up 650-pound steam boiler 401C. D boiler tripped at 8:43 am and the steam header pressure fell below minimum requirements at 8:51. Operations back to normal after 11:am	Reported problems with Wet Gas Compressor resulting in SO2 emissions from flares.  Final investigation not completed.	Reported shutdown of Thermal Oxidizer	in the vicinity of Tank 150-13. Investigation into e spill was from a leaking flange on a 10 inch return Maintenance tightened the flange and the leak mall area near tank.  The vicinity of Tank 150-13. Investigation into the vicinity of vicinity of the vicinity of vicin	t 9:30 am the flow control valve on the sour water opened rapidly. This initiated a sharp increase in U, which in turn put the air blower into a surge y shut down the SRU.  n. ier same day - incident # 00-07426) caused a	I shutdown of our 3700 Sulfur Recovery Unit (SRU). At 5:30 am the natrol valve on the sour water striper (SWS) steam reboiler opened. This initiated a sharp increase in the SWS going to the SRU, which in the air blower into a surge condition and automatically shut down the k online at 5:50 am and downstream tailgas unit on by 6am. ical incident (later same day – incident # 00-07431) caused another no f the same unit.	evening
Less than the reportable quantity of sulfur dioxide (500 pounds)	1.8 tons of sulfur dioxide released from flares.		Less than reportable quantity of 500 pounds	2-3 barrels of oil spilled	2 tons of sulfur dioxide.	16 tons of sulfur dioxide	
12/22/00 at 7:30 am	12/20/00 at 9:03	12/20/00 at 9:03	12/20/00 at 7:30 am	12/19/00 at 9:15 am	12/17/00 at 9:35 am	12/17/00 at 5:30 am	
courtesy call			courtesy call				
		§3925(B) §3925(A) (see §3925(B)(2))		§3925(B)(3) §3925(B)(8)	_		

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	gan to surge. (16.1 tons) of Sulfur dioxide released.	Blower tripped at 4:30 am.  Blower back in service by Sam.			
	1. The unit shutdow	Reported a shutdown of the 3700 sulfur recovery system. The unit shutdown	1/17/01	1/10/01	01-00236
dioxide released from flare system.		problems with our 650-pound steam system.  Cause of 650# steam line problem is unknown.  Compressor tripped at 5:22 pm and restarted by 6:30 pm			
ed due to 3.2 tons of sulfur 1/07/01 at 5:30 pm	down occur	Reported shutdown of Coker Wet Gas Compressor. Shutdown occurred due to	1/12/01	1/07/01	01-00164
nit visible reportable pm  quantities	tinued to er	minutes. Following the shutdown, the heater stack continued to emit visible emissions as the oil burned off the heater tubes.  Orion called this in to keep local authorities abreast of the situation			
	following	The compressor tripped at 7:00 am and was restarted the following morning at 3:00 am.	1/11/01	1/04/01	01-00073
dioxide	steam head regulator	to problems with our 650-pound steam system. Refinery steam header dropped off when a boiler shutdown ( caused when a fuel gas regulator froze from extreme temperatures)			
therefore the number will likely be higher)	orted and	Total for May through December 2000= 1,643.1235 TONS of sulfur divide (all emissions were not reported and therefore the number will likely be higher)  -00012 1/02/01 1/09/01 Reported shutdown of our Coker Wet Gas Compressor. Shutdown occurred due   6 tons of sulfur   1/02/01	nber 2000= 1,6 1/09/01	through Decer	Total for May 01-00012
		Totals for December 2000: 50 9 tons of suffic diaxide: 2.3 barrel oil soil	0 9 tons of sulfi	cember 2000: 5	Totals for Dec
	01.	Assembled a team to submit a written report by end of 1/01.			00-7431 00-00-7426
		the refinery flares.			00-7070
y resulted xide from	n - generall of sulfur dio	Several mechanical problems with sulfur recovery system – generally resulted in brief shutdowns of the system and subsequent releases of sulfur dioxide from	12/22/00	`	00-6962
h and was	m on the 24t	The compressor initially tripped at approximately 11:44 pm on the 24th and was back to a normal operation by midnight.			
ow seal oil	lting in a l	the seal oil system was sticking in the open position resulting in a low seal oil			
_	lting in e	Reported shutdown of Coker Wet Gas Compressor resulting in emissions of Sulfur Dioxide from flares. Automatic shutdowns occurred because a transmission.	1/02/01	12/24/00	00-04578
#00-07578). system was	2/24 (see seal oil stem	<ul> <li>separate compressor trips occurred from morning of 12/24 (see #00-07578).</li> <li>automatic shutdowns occurred because a trap on the seal oil system was sticking in the open position resulting in a low seal oil system.</li> </ul>			
dioxide.	CIII 3310I	Dioxide from flares.			
-	Pmission Scion	Shutdown of Coker Wet Gas Compressor resulting in emissions of Sulfur	2/02/01	*	*
fur Dioxide 12/24/00 at 04:30	ons of Sul	Final investigation not completed.	received 1/12/01	12/24/00	0000
		B-11 - 1 W . C	1/03/01	00/75/51	00-07567

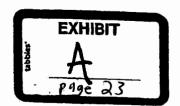
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1/25/01 1/01/01		o1-00299 1/14/01 1/19/01 At 5:00am the blower tripped ar shutdown automatically when the r		1/1//01		Downstream tailogs unit perhapad
ccurred because	Blower back in service by 5:45 am  Downstream Tail Gas unit was restarted at 6:10 am. All systems operating normally by 7am.  Blower tripped as the effects of a crude oil change began to hit the downstream units.  (blower controls did not act properly)	At 5:00am the blower tripped and the 3700 Sulfur Recovery System was shutdown automatically when the main air blower K-37-301-A began to surge.	Fire was noticed at 3:00pm - fire put out by 3:10.  Pipe Clamp was installed the previous day by an outside contractor - believe failure due to inadequate cure time.	Fire on a residual oil rundown line. Fire was contained to a small area of pipe insulation in the pipe rack between the vacuum unit and coker. Fire occurred when a pipe clamp failed and a small amount of not residual fuel dripped on to an adjacent hot surface.	The tail gas unit could not be restarted immediately due to high temperature in the in-line mixer burner.  Assigned engineers to investigate etc	
1.2 tons of sulfur dioxide emitted from refinery flares.	through flares(btw 5am and 7am)	25 tons of sulfur dioxide released				
1/25/01 at 3:25 pm		1/14/01 at 5:15 am		1/10/01 at 3:10 pm		
				Courtesy notification – small fire.		
						page a

SENDER: COMPLETE THIS SECURE	DIG FURTER ARTEM DE DELIVERY
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.  Read your name and address on the reverse so that we can return the card to you.  Attach this card to the back of the mailpiece, or en the front if space permits.	A Placewood by (Please Print Clearly) B. Date of Delivery    Janiel Lusco 9/18/0/   C. Signature   Agent   Addressee    D. Is delivery address different from item 1?   Yes
Mr. Eric Bluth Chief Operating Officer & Refinery General Manager	If YES, enter delivery address below:
Orion Refining Corporation 15292 River Rd. New Sarpy, LA 70078	3. Service Type  *E3* Certified Mail
	4. Restricted Delivery? (Extra Fee)
2. Article Number (Copy from service label) 7000 0600 0022 4264 5981	Modern Control
PS Form 3811, July 1999 Domestic Reta	urn Receipt 102595-00-M-0952

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<ul> <li>Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>Print your name and address on the reverse se that we can return the card to you.</li> <li>Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	A. Received by Please Prigt Clearly B. Date of Deliver C. Signature  X
1. Article Addressed to: Mr. Burgess E. McCranie, Jr. (Registered Agent) 3445 N. Causeway Blvd., #800 Metairie, LA 70002	D. Is delivery address different from item 1? Yes If YES, enter delivery address below: No
	3. Service Type  Graph Certified Mail  Registered  Registered  Receipt for Merchandis  C.O.D.
ør.on	4. Restricted Delivery? (Extra Fee)
2. Article Number (Copy from service label) 7000 0600 0022 4264 5974	
PS Form 3811, July 1999 Domestic	Return Receipt 102595-00-M-0952



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item 4 if Restricted Delivery is desired.  Find your name and address on the reverse se that we can return the card to you.  Allach this card to the back of the mailpiece, or on the front if space permits.	C. Signature  C.
1. Article Addressed to:	AES, enter delivery address below:
Ms. Christine Todd Whitman	A the
Administrator	
U.S. EPA	
401 M Street, SW	
Washington, D.C. 20460	3. Service Type
	☐ Certified Mail ☐ Express Mail
•	☐ Registered ☐ Return Receipt for Merchandise ☐ Insured Mail ☐ C.O.D.
,	4. Restricted Delivery? (Extra Fee)
	4. Hospital Delivery: [Chapter]
2. Article Number (Capy from service lebel) 7000 0600 0022 4264 5967	
PS Form 3811, July 1999 Demestic Ret	Turn Receipt 102595-00-M-0952

And the second s		•
SENDER: COMPLETE THIS SECTION	COUPLETE THIS SECTION ON DELIVE	RY
Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.  Print your name and address on the reverse se that we can return the card to you.  Aftach this card to the back of the malipiece, or on the front if space permits.	A Received by Pheso Print Clearly B. SEP 1	7 2001
1. Aribite Addressed to:	It is delivery address different from item 1'	7 🗆 Yes
Mr. J. Dale Givens, Secretary LA Dept. of Env. Quality, P.O. Box 82263 Baton Rouge, LA 70884-2262		
	3. Service Type  Certified Mail	for Merchandise
	4. Restricted Delivery? (Extra Fee)	☐ Yes
2. Article Number (Copy from service label) 7000 0600 0022 4264 5950		- 1
PS Form 3811, July 1999 Domestic Re	turn Receipt	102595-00-M-0952

EXHIBIT

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