

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
INCIDENT REPORT

Incident ID: 137276

Incident Description

Incident Type: Release/Spill, Facility Air Release
Incident Date: 2/17/2012 01:00:00
Parish: Calcasieu
Municipality: Westlake
Location: 2200 Old Spanish Trail - Westlake
Lat/Lon:
Basin/Segment:
Substance(s): SO2 - 2623 lbs
Media Impacted: Air
Incident Desc: s12-0631 due to upset conditions on sulfur train SO2 was released to air CML

Incident Status

Lead Investigator: Gerald Quarles *DQ*
Incident Region: Southwest
Incident Status: Closed
Followup Status: Closed
As Of: 3/1/2012 00:00:00

*SNK 3-2-12***Incident Reporter 1**

Received By: Spo Contact
Received Date: 2/17/2012 14:31:00
Dispatch #: s12-0631
Reported By: Shane Tucker
Phone: 337-491-5584 (Work phone number)
Reporter Title:
Organization: ConocoPhillips Refinery
Address:

Municipality:
State: LA
Zip Code:
Comments:

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY
INCIDENT REPORT

Incident ID: 137276

Incident Source 1**Source Name:** ConocoPhillips Co - Lake Charles Refinery
Address: 2200 Old Spanish Trail**Municipality:** Westlake
State: LA
Phone: 3374914837 (Work phone number)
Parish: Calcasieu
AI #: 2538
Related Permits:**Comments:** This incident involved a release of SO₂ from the No. 1/No. 2 SRU Stack due to an upset related to excess hydrocarbons in the feed composition to the unit. The excess hydrocarbons in the feed upset the No. 1/No. 2 SRUs causing the reducing gas generators (RGGs) in both sulfur trains to shutdown. The facility conducted offsite air monitoring for SO₂ to ensure that no offsite impact had occurred. Upon resolving the feedstock composition problem, Operations restarted the No. 1/No. 2 SRUs. According to the 7-day written report for this incident, the calculated quantity of SO₂ released during this event was 2623 lbs. The RQ for SO₂ of 500 lbs in LAC 33:I.Chapter 39 was exceeded during this incident; therefore, ConocoPhillips is conducting a Root Cause Failure Analysis (RCFA) investigation as required by the Consent Decree. Although the RQ for SO₂ was exceeded, the incident appeared to have resulted from an unforeseen process upset.
NFA-GQ

Scott Wilkinson

Gerald

From: SPOC [spoc.otrs@la.gov]
Sent: Friday, February 17, 2012 3:21 PM
To: DEQ-SWROAdmin
Subject: [Incident#124099] SWRO s12-0631 T 137276 LSP # 12-00956 Calcasieu
Attachments: SWRO s12-0631 T 137276 LSP # 12-00956 Calcasieu.txt

SPOC
Charles Lato

Louisiana Department of Environmental Quality
Single Point Of Contact
Phone: (225) 219-3640
Fax: (225) 219-4044

Forwarded message from "Miklos.Gyorgy@dps.la.gov" <Miklos.Gyorgy@dps.la.gov>

Subject: LSP Hazardous Material Incident Incident # 12-00956
Date: 2012-02-17 14:31:02

INCIDENT # 12-00956 SOURCE: STATE POLICE HAZMAT HOTLINE
877-925-6595 / 225-925-6595

(INITIAL REPORT) DATE AND TIME
HOTLINE NOTIFIED: 02/17/12 14:26
INCIDENT OCCURRED: 02/17/12 01:00
INCIDENT SECURED: 02/17/12 01:30

(INITIAL REPORT) INCIDENT LOCATION
PARISH: Calcasieu
ADDRESS: 2200 Old Spanish Trail
CITY: Westlake

(INITIAL REPORT) CALLER INFORMATION
CALLER'S NAME: Shane Tucker
CALLER'S ADDRESS OR EMPLOYER: ConocoPhillips Refinery
CALLER'S PHONE NUMBER: 337-491-5584

(INITIAL REPORT) RESPONSIBLE PARTY
NAME: ConocoPhillips Refinery
MAILING ADDRESS: PO Box 37
CITY,STATE,ZIP: Westlake, LA 70669

(INITIAL REPORT) DETAILS
They had an upset on their sulfur train, caused a release of Sulfur out
of their stack... It is above the 500 lbs per hour RQ... They monitored
the air last night and didn't pick up any readings offsite... They
received the engineers calculations at 1410 today...

(INITIAL REPORT) CHEMICAL INFORMATION
CHEMICAL 1: Sulfur Dioxide
QTY: > 500 lbs/hr
RELEASED STATE: Gas CLASS: Poison Gas ID: 1079 EHS: Yes

(INITIAL REPORT) RELEASE INFORMATION

INCIDENT CLASSIFICATION: Unusual Event
DID MATERIAL GO OFFSITE? Yes
RELEASED TO: Air
WHERE IS AIR BEING MONITORED? Perimeter of facility
IF MONITORING, WHAT IS HIGHEST READING? No readings yet
ANY OFF-SITE PROTECTIVE ACTION?

No
RELEASE EFFECTS:
FIRE: No
INJURIES: No :
FATALITIES: No :

** (INITIAL REPORT) FIXED SITE *****
Process Unit

---- End forwarded message ----

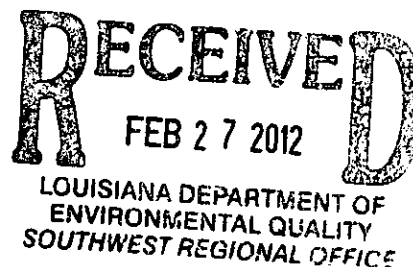


Willie A. Tempton, Jr.
General Manager
Lake Charles Refinery
ConocoPhillips
2200 Old Spanish Trail, P.O. Box 37
Westlake, LA 70669
(337) 491-5222 Fax: (337) 491-5616

CERTIFIED MAIL - RETURN RECEIPT REQUESTED 7009 0080 0001 5886 2129

February 23, 2012

Emergency Response Commission
DPS & Corrections- Office of State Police
Transportation & Environmental Safety Section
Right to Know Unit Mail
P. O. Box 66168
Baton Rouge, LA 70896



HAZMAT No. 12-00956
AI #2538 Permit 2624-V11
ConocoPhillips LCR
Area B-No. 1/No. 2 Sulfur Recovery Units (SRUs)

This letter is a follow-up to the telephone notification made on February 17, 2012. The notification was for a release of sulfur dioxide (SO₂) from the Sulfur Plant. An upset in the feed to the No.1/No.2 SRUs caused the reducing gas generators (RGGs) to shutdown.

Engineering calculations and monitoring data estimate that 2623 lbs of SO₂ were released. This exceeds the reportable quantity for SO₂. The details of the incident are documented on the attached Unauthorized Discharge Notification Form.

Should you have any questions concerning this notification, please call Tricia Rapp at 337-491-5986 or myself at number shown above.

Sincerely,

Willie A. Tempton, Jr.

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cc: **7009 0080 0001 5886 2112**
La. Dept. of Environmental Quality
ATTN: Single Point of Contact - SPOC
Office of Environmental Compliance
P.O. Box 4312
Baton Rouge, LA 70821-4312

Mr. Billy Eakin, LDEQ
La. Dept. of Environmental Quality
1301 Gadwall Street
Lake Charles, LA 70615

Local Emergency Planning Commission
C/O Office of Emergency Preparedness
Right to Know Unit Mail
P.O. Box 1391
Lake Charles, LA 70602

**UNAUTHORIZED DISCHARGE
NOTIFICATION REPORT**

ConocoPhillips LCR 2200 Old Spanish Trail P. O. Box 37 Westlake, Louisiana 70669 (337) 491-5211	Excel Paralubes 2800 Old Spanish Trail P. O. Box 850 Westlake, Louisiana 70669 (337) 491-4996	Transportation - Pipeline 2200 Old Spanish Trail Westlake, Louisiana 70669 (337) 583-3386 or 802-4367 Contact: Greg Ragle	DOT-Tank Pipeline Plant Issues (TK348&TK347) 2200 Old Spanish Trail P.O. Box 37 Westlake, Louisiana 70669 (337) 491-5582 (Roy Nash)
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Predetermined Incident Conditions - LCR

Predetermined Incident Conditions-Excel

INCIDENT DATE:	02/17/12	*TIME BEGAN:	1:00	AM	AREA:	Area B
DATE INCIDENT ENDED:	02/17/12	*TIME ENDED:	3:30	AM		
Wind Direction:	East	Wind Speed:	7 mph	Temperature:	75	Precipitation: None <input checked="" type="checkbox"/> Rain <input type="checkbox"/> Other <input type="checkbox"/>

ConocoPhillips Official Making Calls: Shane Tucker

AGENCY CONTACTS:

Call back telephone number = LCR (337) 491-5301 (Refinery Main Gate).
Excel (337) 491-4996. Instruct HazMat to ask for Shift Team Lead on duty.

National Response Center (NRC) 1-800-424-8802 (must be made <15min) QuickDial (718)

Date:	02/17/12	NRC Official:	Dove	NRC Report No.:	1003284	Call Back:	YES
Time:	2:23 pm						

State Police HazMat/ LDEQ (must be made < 1 hr) 1-225-925-6595 QuickDial (717)

Date:	02/17/12	HAZMAT Official:	Miklos George	HAZMAT Report #:	12-00956	Call Back:	YES
Time:	2:25 pm						

Calcasieu Emergency Planning Comm. (LEPC) (716) 439-9911

Date:	02/17/12	LEPC Official:	April	Call Back:	YES
Time:	2:29 pm				

STL	1. Source involved (the process unit):	Area B - Sulfur Plant	If Other, List Process Unit																																				
EC	2. Emission Point source	RLP058																																					
STL	3. Detail Description of Incident	<table border="1"> <tr> <td>Date Incident Began:</td> <td>02/17/12</td> <td>Time Began:</td> <td>1:00</td> <td>AM</td> </tr> <tr> <td>Date Incident Ended:</td> <td>02/17/12</td> <td>Time Ended:</td> <td>3:30</td> <td>AM</td> </tr> <tr> <td colspan="5">- Cause of Incident:</td> </tr> <tr> <td colspan="5">Upset of #1/2 SRU's resulted in release of SO2 above the RQ limit of 500 lb/hr.</td> </tr> <tr> <td colspan="5">- What Offsite Impact Resulted?</td> </tr> <tr> <td colspan="5">None</td> </tr> <tr> <td>Fire</td> <td>NO</td> <td>Injuries</td> <td>NO</td> <td>Fatalities</td> <td>NO</td> </tr> </table>		Date Incident Began:	02/17/12	Time Began:	1:00	AM	Date Incident Ended:	02/17/12	Time Ended:	3:30	AM	- Cause of Incident:					Upset of #1/2 SRU's resulted in release of SO2 above the RQ limit of 500 lb/hr.					- What Offsite Impact Resulted?					None					Fire	NO	Injuries	NO	Fatalities	NO
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- What Offsite Impact Resulted?																																							
None																																							
Fire	NO	Injuries	NO	Fatalities	NO																																		
STL	4. Did Material go off site? If so, released to where?	<table border="1"> <tr> <td>Offsite?</td> <td>NO</td> <td>Land</td> <td></td> <td>Air</td> <td></td> <td>Released to where? (below)</td> </tr> <tr> <td colspan="7"> </td> </tr> </table>		Offsite?	NO	Land		Air		Released to where? (below)																													
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STL	5. Immediate Corrective Action Taken:	Conducted off site monitoring to ensure that no off-site impact occurred																																					

Shift Team Lead: When finished filling out your applicable sections, click "STL DONE" to send this form on to the next group. (This must be complete by end of shift)

STL DONE

List of Compounds with Reportable Quantities		Extremely Hazardous Substance List			
ENG	6. Detail Description of Incident	Date Incident Began:	02/17/2012	Time Began:	1:00 AM
		Date Incident Ended:	02/17/2012	Time Ended:	3:30 AM
		- Cause of Incident:			
		Upset of #1/2 SRU's resulted in release of SO2. Feed composition upset (hydrocarbons) to the Amine Flash Drums caused the RGGs in both Sulfur Plants to shut down.			
		- What Offsite Impact Resulted?			
		None			
ENG	7. Was the incident preventable? Explain why.	NO			
		RCFA required by Consent Decree will be conducted.			
ENG	8. Which specific pollutants were emitted and quantity released? Identify hazard class.	Pollutant(s) & Quantity	SO2 2623 lbs		
		Liquid	Solid	EHS	Other
ENG	9. Specific remedial action taken and/or planned to prevent recurrence.	Restarted both RGGs			

Unit Process Engineer: *Verify the Time Incident Began and Ended. When finished filling out your applicable sections, click "Unit Process Engineer Done" to send this form on to the LCR Environmental Contact (this must be completed within 48 hours of receipt of email from STL).

Process Engineer Done

EC	10. Extremely Hazardous Substance Only	Anticipated Acute Health Risk? <input type="checkbox"/> YES <input checked="" type="checkbox"/> Enter
		Consequences Below: None. No offsite impacts and no community complaints.
		Chronic Health Risk? <input type="checkbox"/> YES <input checked="" type="checkbox"/> Enter
		Consequences Below: None. No offsite impacts and no community complaints.
EC	11. Applicable permit no. and the current permitted limit:	2624-V11. SO2 Max lb/hr 35.80

Company Official Signature: _____

Date: _____

Name: _____

Title: _____

2-24-12

Willie A. Tempton, Jr.

General Manager

Abbreviations: ENG = Engineer; STL = Shift Team Lead; EC = Environmental Contact