

286
ExxonMobil Chemical Company

Baton Rouge Chemical Plant
4999 Scenic Highway
Baton Rouge, Louisiana 70805-3359
P.O. Box 241
Baton Rouge, Louisiana 70821-0241

*Severin: Mani/CRO
505-0920
T 77758*

ExxonMobil
Chemical

March 28, 2005

Louisiana Department of Environmental Quality
P.O. Box 4312
Baton Rouge, LA 70821-4312
ATTENTION: Emergency and Radiological Services Division - SPOC
"UNAUTHORIZED DISCHARGE NOTIFICATION REPORT"

Re: Letter of Notification
Unauthorized Discharge Report
DEQ Incident #S-05-0920
Agency Interest Number: 286

Dear Sir or Madam:

This letter serves as written notification of the events and circumstances surrounding the leak that occurred at the ExxonMobil Baton Rouge Chemical Plant (BRCP) on March 22, 2005 at the Isopropyl Alcohol Unit. As detailed in the Discharge Notification Report attached, the reportable quantity of propylene (HRVOC) was exceeded due to a flange leak.

If you have any questions regarding this notification, please contact me at 977-8337 or Angela Folse at 977-1777.

Sincerely,



R. A. Cotton
Environmental Section Supervisor

ACF

I:\Baton Rouge Area\Env\Release Reporting Chem Plant\Follow-up Letters by Bus. Group\Intermediates\IPA\2005\032205In
Certified Mail No.: 7004 1350 0000 4274 1026

CC: Department of Health and Hospitals

RECEIVED

MAR 29 2005

DEQ
Single Point of Contact

DEQ/AQD
EMERGENCY OCCURRENCES AND/OR UPSET
NOTIFICATION FORM

- I. Company Name ExxonMobil Chemical Company
Physical Location 4999 Scenic Highway
St. or P. O. Box P. O. Box 241
City, State & Zip Code Baton Rouge, Louisiana 70821
Telephone Number (225) 977-8430
- II. Date and Time of verbal notification March 22, 2005 at 13:50
DEQ official contacted Cindy LaFosse
Company official who made the call Mark Hofmeyer
Facility Involved ExxonMobil Baton Rouge Chemical Plant
- III. Emission point source(s) involved? (including the process unit and EIQ number if applicable) Not Applicable
- IV. Applicable permit # and the current permitted limit (lbs/hr) for the pollutant(s) released from the emission point sources involved? Not Applicable
- V. Which applicable Air Quality regulation limits were exceeded? (SO limit, Mass emission limit, opacity limit, etc.) The reportable quantity per LAC 33.I.3917 for propylene was exceeded.
- VI. Give the date and time the release began and duration of release:
Began at: March 22, 2005, @ 05:20 AM
Ended at: March 22, 2005, @ 11:00 AM
Duration: 350 minutes

VII. Which specific pollutants were emitted and how much of each compound was released: (total amount of each compound expressed in pounds) Attach emission calculations.

Compound	CAS Number	Pounds Released	RO (DEQ/SP)	Extremely Hazardous
Propylene	115-07-1	117	100/--	No
Propane	--	280	--/--	No
Isopropyl ether	67630	4	--/--	No

VIII. Fate of Pollutant(s) The release dissipated over the plant.

IX. Upset description, cause, and what offsite impact resulted? An assistant operator found a flange on a level instrument tap leaking at the top of a tower. Immediately the tower feed was shut off, and the operator began to controllably depressure the tower to the flare system so that the leak could be repaired. There were no known offsite impacts, injuries or complaints.

X. Was the release preventable? YES NO (mark one). If no, explain why the release was not preventable? This was an unpredictable flange gasket failure. The gasket was made of a material compatible with this service.

XI. What other agencies were notified?
 Agency: _____
 Date and Time of verbal notification: _____
 Official contacted: _____
 Company official who made the call: _____

XII. Immediate corrective action taken? Immediately feed was cut out of the tower. It was depressured as quickly as possible so that the leak could be repaired.

XIII. Specific remedial action taken and/or planned to prevent recurrence? (Include timetable for completion of project if applicable) The flange gasket has been replaced. Per ExxonMobil Chemical's usual procedures, the next time the tower is scheduled to go on turnaround at the end of 2006, all the tower gaskets will be replaced.

XIV. Regulation notification requirement(s)? (check appropriate requirement)

LAC 33:III.927 General Requirement to Report Substantial Increase

LAC 33:I.3917 Notification Requirements for Unauthorized Discharges

LAC 33:III.5107B Air Toxics Discharge Reporting Requirements

LAC 33:V 10111 LASP Reporting Requirements

LAC 33:III 1101 and/or 1105 Control of Emissions of Smoke

Calculations for Release on March 22, 2005

Tap for level instrument on the top of WCT-01 started leaking @ 5:20 on 3/22/05.					
Once the leak was discovered, operations began to depressure the tower. The release was calculated based on the pressure in 10 minute increments until 8:10 when the pressure stabilized. The average pressure from 8:10 until 11:00, when the tower was totally depressured, was used to calculate the rest of the release. The hole was estimated at one eighth of an inch. The overhead composition of WCT-01 where the leak occurred was obtained from DMS.					
		Pounds Released			
	Pressure, psig	Propane	Propylene	Isopropyl Ether	TOTAL
5:20	359	38.95	16.29	0.56	55.80
5:30	350	38.01	15.90	0.54	54.46
5:40	293	32.08	13.42	0.46	45.96
5:50	176	19.88	8.32	0.28	28.49
6:00	143	16.44	6.88	0.24	23.55
6:10	94	11.31	4.73	0.16	16.21
6:20	71	8.89	3.72	0.13	12.74
6:30	59	7.63	3.19	0.11	10.92
6:40	49	6.56	2.75	0.09	9.40
6:50	43	5.92	2.48	0.08	8.48
7:00	39	5.49	2.30	0.08	7.86
7:10	35	5.06	2.12	0.07	7.24
7:20	33	4.84	2.02	0.07	6.93
7:30	30	4.51	1.89	0.06	6.46
7:40	29	4.40	1.84	0.06	6.30
7:50	29	4.40	1.84	0.06	6.30
8:00	28	4.29	1.79	0.06	6.14
8:10 - 11:00	22	61.50	25.73	0.88	88.11
TOTAL POUNDS RELEASED =		280.15	117.20	4.01	401.37

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AFTER 5 DAYS RETURN TO

ExxonMobil CHEMICAL

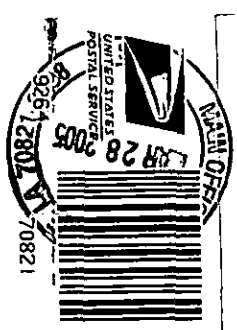
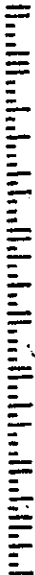
P.O. BOX 241
BATON ROUGE, LA. 70821-0241



7004 1350 0000 4274 1026

LA Dept. of Environmental Quality
P. O. Box 4312
Baton Rouge, LA 70821-4312
Attention: Emergency & Radiological
Services Division- SPOC
"Unauthorized Discharge Notification Report"

70821+4312



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