

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

ExxonMobil
Chemical

October 8, 2007

507-3385
T 99883
Sengudi Mani
CPO

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

Re: Letter of Notification
Unauthorized Discharge Report
State Police Incident #07-05919
Agency Interest Number: 286

Dear Sir or Madam:

This letter serves as written notification of the events and circumstances surrounding the safety valve release that occurred at the ExxonMobil Baton Rouge Chemical Plant (BRCP) on October 1, 2007. As detailed in the attached Discharge Notification Report, the reportable quantities for volatile organic compounds, flammable vapor, and benzene were exceeded.

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

Sincerely,



Richard Cotton
Environmental Section Supervisor

LEL

I:\Baton Rouge Area\Env\Release Reporting Chem Plant\Follow-up Letters by Bus. Group\Intermediates\LOLA\2007\100107cl.doc
CP Airfile: 1.1.01.07.034
Certified Mail No.: 7006 2760 0003 8309 4377

cc: Local Emergency Planning Committee
State Police, HAZMAT Unit
Department of Health and Hospitals
Dr. Mani, LDEQ
MST3 Feus. USCG

Certified Mail No.: 7006 2760 0003 8309 4384
Certified Mail No.: 7006 2760 0003 8309 4391

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DEQ
Single Point of Contact

Louisiana Department of Environmental Quality Unauthorized Discharge Notification Report (LAC 33:I.3925)

- I. **Company Name:** ExxonMobil Chemical Company
Physical Address: 4999 Scenic Highway
 Baton Rouge, LA 70805
- Mailing Address:** P.O. Box 241
 Baton Rouge, LA 70821
- Contact Name:** R. A. Cotton
Telephone Number: (225) 977-8337
- II. **Date and Time of Verbal Notification:** Monday, October 1, 2007 @ 3:36 PM
Official Contacted: Michael Hawkins
Officials Making Notifications: Russell Whitehead / Diane Leche
Site Identification: Baton Rouge Chemical Plant
- III. **Date and Time Incident Started:** Monday, October 1, 2007 @ 2:48 PM
Date and Time Incident Discovered: Monday, October 1, 2007 @ 2:48 PM
Date and Time Incident Ended: Monday, October 1, 2007 @ 2:53 PM
Duration: 5 minutes

IV. **Upset Description, Cause, and Offsite Impact (If Applicable):**

On October 1, 2007, at approximately 2:48 PM, the LOLA T-1 tower overpressured resulting in a hydrocarbon release to the atmosphere through three of the four safety valves on the overhead of the tower. The overpressure was caused by a faulty pressure reading on the tower pressure control system.

The T-1 overhead pressure instrument had been reading erratically prior to the incident and was being evaluated. During this time, the overhead pressure control valve was operated in manual to maintain a specified tower pressure. Pressure began to increase in the tower, and firing of the tower's reboiler furnace, F-402, was automatically shutdown when the pressure reached 35 psig. Furnace firing was restarted and pressure continued to rise, reaching 38.55 psig, even though the controller was using the pressure control valve in an attempt to lower tower pressure. After control was reestablished, it was determined that three of the four tower safety valves had relieved. During this incident, the reportable quantities for volatile organic compounds, flammable vapor, and benzene were exceeded.

There were no injuries or complaints associated with this release.

V. **Specific Pollutants Emitted and Amount Released:**

Compound	CAS No.	Quantity (lbs)	State Police RQ	DEQ RQ	Extremely Hazardous
Flammable Vapor / VOC		13413	1000/-	-/5000	No
Benzene	71-43-2	134	10	10	No

Louisiana Department of Environmental Quality Unauthorized Discharge Notification Report (LAC 33:I.3925)

VI. Disposition:

The materials were released to the air and quickly dissipated.

VII. Remedial Action Taken:

The pressure control valve on the T-1 overhead circuit was fully opened to relieve the pressure in the tower.

VIII. Specific Actions Taken and/or Planned to Prevent Recurrence:

The pressure instrument is being evaluated by instrument technicians, but at the time of this report, no cause for the erratic behavior was found. An investigation is ongoing and the appropriate follow-up actions will be completed.

IX. Permit Number (If Applicable):

This release was not a permitted release. This unit operates under the Aromatics permit 2299-V4.

X. Reporting Party Status:

Owner/Operator

XI. For Discharges to the Ground or Groundwater (If Applicable):

Not Applicable

XII. Other Responsible Parties:

Not Applicable

XIII. Was the Release Preventable Yes No
If No, Explain Why the Release Was Not Preventable:

XIV. Agencies Notified:

Agency	Official Notified	Time	Date	Incident #
State Police/DEQ	Michael Hawkins	3:36 PM	10/1/07	07-05919
LEPC	Debbie	3:40 PM	10/1/07	-
DEQ	Judy	3:41 PM	10/1/07	-
State Police/DEQ	Mindy	3:52 PM	10/1/07	07-05919
NRC		3:58 PM	10/1/07	850-447

LOLA T-1 Pressure Safety Valve Releases of ALSV-6539, ALSV-6479, & ALSV-6937

Summary of Reportable Quantities

Compound	Amount Released (lbs)	RQ Limit (lbs)
Flammable Vapor / VOC	13,413.227	1000 / 5000
Benzene	134	10

Event Start Time: 10/1/2007 14:48

Length of Release	5.05 minutes	@ > 36* psig using ALP953 - LOLA T-1 Top Pressure
	3.00 minutes	@ > 38* psig using ALP953 - LOLA T-1 Top Pressure

*Highest pressure on ALP953 read 38.44 psig; however, ALSV-6479 & ALSV-6937 relieved @ 40 psig, so built 2 psig conservatism in calc

Relief Device Form Information from SRR

Scenario: Electric Power Failure on ALTR-1

Fluid Phase: Vapor

	MURP	Device Capacity		Total Released on 10-1-07
ALSV-6539	38 psig	72,832 lb/hr	1,213.87 lb/min	6,130.027 lb
ALSV-6479	40 psig	72,832 lb/hr	1,213.87 lb/min	3,641.600 lb
ALSV-6937	40 psig	72,832 lb/hr	1,213.87 lb/min	3,641.600 lb

TOTAL lb of Release on 10-1-07: 13,413.227

Stream Composition**

**From "Addendum Heat & Material Balances Baton Rouge Xylenes Recovery Project June 1996." Page 184. Stream ID# 130.

LOLA T-1 OH Vapor	Wt%	Wt Fraction	TOTAL Release by Component (lb)
H2	0.0000E+00	0	0
METHANE	0.0000E+00	0	0
ETHANE	0.0000E+00	0	0
PROPANE	0.0000E+00	0	0
ISOBUTANE	1.4259E+00	0.014259	191.259199
BUTANE	1.0135E+01	0.101345	1359.363457
ISOPENTANE	4.6789E+01	0.46789	6275.914625
PENTANE	2.8444E+01	0.284435	3815.191127
2MPENTANE	3.3648E+00	0.033648	451.3282509
HEXANE	6.7440E-01	0.006744	90.45880064
MCYPENTANE	2.9600E-02	0.000296	3.970315093
CYCLOHEXANE	7.6751E-04	7.6751E-06	0.102947856
BENZENE	1.0000E+00	0.01	134.1322667
2MHEXANE	7.3452E-03	0.000073452	0.985228325
3MHEXANE	5.7761E-03	0.000057761	0.774761385
HEPTANE	7.5564E-04	7.5564E-06	0.101355706
ETCYPENTANE	0.0000E+00	0	0
MCYHEXANE	4.5102E-05	4.5102E-07	0.006049633
T12DMCYPNTAN	2.6818E-04	2.6818E-06	0.035971591
TOLUENE	1.4294E-03	0.000014294	0.191728662
2M3ETPENTANE	0.0000E+00	0	0
3MHEPTANE	3.9213E-07	3.9213E-09	5.25973E-05
OCTANE	4.8237E-09	4.8237E-11	6.47014E-07
ETCYHEXANE	0.0000E+00	0	0
ETBENZENE	1.3281E-09	1.3281E-11	1.78141E-07
PARAXYLENE	3.7343E-10	3.7343E-12	5.0089E-08
METAXYLENE	5.2588E-10	5.2588E-12	7.05375E-08
ORTHOXYLENE	2.9383E-11	2.9383E-13	3.94121E-09
22DMHEPTANE	2.0933E-11	2.0933E-13	2.80779E-09
2MOCTANE	1.4428E-14	1.4428E-16	1.93526E-12
NONANE	2.6369E-15	2.6369E-17	3.53693E-13

PRCYHEXANE	0.0000E+00	0	0
ISOPRBNZENE	4.9068E-15	4.9068E-17	6:5816E:13
PRBNZENE	7.4852E-15	7.4852E-17	1:00401E:12
124TMBENZENE	7.4193E-15	7.4193E-17	9:95168E:13
1M3EBENZENE	6.0735E-15	6.0735E-17	8:14652E:13
1M4EBENZENE	1.4690E-15	1.469E-17	1:9704E:13
23DM1EBNZENE	4.9204E-15	4.9204E-17	6:59984E:13
14DEBENZENE	3.0662E-15	3.0662E-17	4:11276E:13
NAPHTHALENE	3.5839E-15	3.5839E-17	4:80717E:13
INDANE	3.8899E-15	3.8899E-17	5:21761E:13
DECANE	9.9172E-15	9.9172E-17	1:33022E:12
CISBUTENE2	0.0000E+00	0	0
PENTENE1	0.0000E+00	0	0
CISPENTENE2	3.7630E-01	0.003763	50:47397195
2MBUTENE2	8.1720E-01	0.008172	109.6128883
CYCLOPENTENE	0.0000E+00	0	0
CYCLOPENTANE	8.4500E-01	0.00845	113:3417653
22DMBUTANE	3.5545E+00	0.035545	476:7731419
23DMBUTANE	9.6420E-01	0.009642	129:3303315
3MPENTANE	1.4731E+00	0.014731	197:590242
HEXENE 1	5.0300E-02	0.000503	6:746853013
CISHEXENE2	2.6900E-02	0.000269	3:608157973
223TMBUTANE	1.0430E-03	0.00001043	0:139899954
24DMPENTANE	1.2000E-02	0.00012	1:6095872
33DMPENTANE	0.0000E+00	0	0
HEPTENE1	1.2247E-03	0.000012247	0:164271787
224TMPENTANE	0.0000E+00	0	0
25DMHEXANE	7.4503E-06	7.4503E-08	0.000999326
24DMHEXANE	6.3279E-06	6.3279E-08	0.000848776
2MHEPTANE	4.4383E-07	4.4383E-09	5.95319E-05
OCTENE1	0.0000E+00	0	0
NONENE1	0.0000E+00	0	0
3MNONANE	0.0000E+00	0	0
STYRENE	0.0000E+00	0	0
UNDECANE	0.0000E+00	0	0
T12DMCYHEXAN	3.5084E-09	3.5084E-11	4:7059E-07
113TMCYPNTAN	3.0862E-06	3.0862E-08	0.000413959
123TMCYPNTAN	0.0000E+00	0	0
T14DMCYHEXAN	0.0000E+00	0	0
C13DMCYHEXAN	0.0000E+00	0	0
T13DMCYHEXAN	0.0000E+00	0	0
1M1ECYPENTAN	2.0443E-08	2.0443E-10	2:74207E-06
BUTYLBENZENE	1.7108E-14	1.7108E-16	2:29473E-12
IBBENZENE	1.7114E-14	1.7114E-16	2:29554E-12
1M2IPRBNZEN	1.3935E-15	1.3935E-17	1:86913E:13
1245TMBNZENE	1.6458E-15	1.6458E-17	2:20755E:13
13DEBENZENE	0.0000E+00	0	0
1M3IPRBNZEN	1.0752E-14	1.0752E-16	1:44219E:12
1MNAPHTHALEN	8.7388E-16	8.7388E-18	1:17216E:13
2MNAPHTHALEN	1.2201E-15	1.2201E-17	1:63655E:13
1ENAPHTHALEN	2.7534E-15	2.7534E-17	3:6932E:13
HEXYLBENZENE	5.8143E-15	5.8143E-17	7:79885E:13
O2	0.0000E+00	0	0
N2	0.0000E+00	0	0
TOTAL SUM	99.9999	1.0000	13413.2096

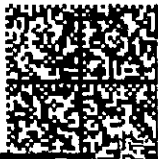
ExxonMobil Chemical Company
P. O. Box 241
Baton Rouge, LA 70821-0241

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UNITED STATES MAILTM

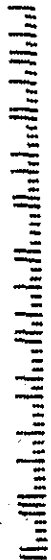


7006 2760 0003 8309 437



02 1A
0004341728 OCT 08 2007
\$ 05.38⁰⁰
MAILED FROM ZIP CODE 70805

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

INCIDENT # 07-05919
HOTLINE
877-925-6595 / 225-925-6595

SOURCE: STATE POLICE HAZMAT

** (INITIAL REPORT) DATE AND TIME

HOTLINE NOTIFIED: 10/01/07 15:36
INCIDENT OCCURRED: 10/01/07 14:40
INCIDENT SECURED: 10/01/07 14:41

507-3385
T 99883

** (INITIAL REPORT) INCIDENT LOCATION

PARISH: East Baton Rouge
ADDRESS: 4045 Scenic Hwy
CITY: Baton Rouge

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** (INITIAL REPORT) CALLER INFORMATION

CALLER'S NAME: Russell Whitehead
CALLER'S ADDRESS OR EMPLOYER: ExxonMobil Chemical Plant
CALLER'S PHONE NUMBER: 225-977-8133

DEPT. OF ENVIRONMENTAL QUALITY

** (INITIAL REPORT) RESPONSIBLE PARTY

NAME: ExxonMobil Chemical Plant
MAILING ADDRESS: PO Box 241
CITY, STATE, ZIP: Baton Rouge, LA 70821

** (INITIAL REPORT) DETAILS

Safety Valve released for less than a minute... Corrected the problem...
They had a bad pressure instrument on the flare stack...

** (INITIAL REPORT) CHEMICAL INFORMATION

CHEMICAL 1: Benzene
QTY: Unk
RELEASED STATE: Gas CLASS: Flammable Liquid ID: 1114
EHS: No

** (INITIAL REPORT) RELEASE INFORMATION

INCIDENT CLASSIFICATION: Unusual Event
DID MATERIAL GO OFFSITE? Yes
RELEASED TO: Air
WHERE IS AIR BEING MONITORED? Not being monitored
ANY OFF-SITE PROTECTIVE ACTION?
No
RELEASE EFFECTS:
FIRE: No
INJURIES: No :
FATALITIES: No :

ARO
Main

** (INITIAL REPORT) FIXED SITE

Process Unit