



ST. CHARLES REFINERY • Valero Refining - New Orleans, L.L.C. • P. O. Box 518 • Norco, Louisiana 70079-0518 • Telephone (985) 764-8611

PM 10/18/13

AI# 26003
7151623
S13-34030
SERD
Lee Lemond
Air-ER

October 18, 2013

USPS Certified Mail: 7011 3500 0001 6349 7380
LA Dept. of Environmental Quality
ATTN: Surveillance Division – SPOC
“Unauthorized Discharge Notification Report”
P. O. Box 4313
Baton Rouge, LA 70821-4313

LDEQ Southeast Regional Office
Building 4, Suite 420
201 Evans Road,
New Orleans, LA 70123-5230

State Emergency Response Commission
Office of the State Police
P. O. Box 66168.
Baton Rouge, LA 70896

Ms. Tiffany K. Clark, Council Secretary
Email: tclark@stcharlesgov.net
and
pduhe@stcharlesgov.net

Subject: Unauthorized Discharge Notification Report
Agency Interest No.: 26003
Incident Date: October 14, 2013
LA Police Incident No.: 13-04562

Dear Sir/Madam:

On Monday October 14, 2013, at approximately 14:15 hrs, we made notification that we potentially exceeded a reportable quantity for sulfur dioxide due to a malfunction of the 1600 sulfur recovery unit (SRU). After further review, we have determined that no reportable quantity has been exceeded resulting from this incident. Excess emissions resulting from the incident are estimated at 49.17 lbs of SO₂ and 0.29 lbs of H₂S (Table 1). These excess emissions will be captured in a future Title V report. Air monitoring conducted within the refinery and along the fence line of the refinery downwind of the prevailing wind direction revealed no appreciable SO₂ concentrations (Table 2). Please consider this notification a courtesy.

If you have any questions pertaining to this incident or require additional information please call me at 985-764-8611.

Sincerely,

Charles H. Kock
Sr. Environmental Engineer

CC: Lee Lemond, LDEQ

RECEIVED

OCT 23 2013

DEQ
Single Point of Contact

Emissions Estimates

1600 SRU Reaction Furnace Malfunction October 14, 2013

	Hourly SO ₂ Emissions	Permitted SO ₂ under EQT 241	Excess SO ₂	Hourly H ₂ S Emissions	Permitted H ₂ S under EQT 241	Excess H ₂ S
	lb/hr	lb/hr	lb/hr	lb/hr	lb/hr	lb/hr
10/14/2013 13:00	1.04	115.31	0.00	0.00	1.73	0.00
10/14/2013 14:00	164.48	115.31	49.17	0.09	1.73	0.00
10/14/2013 15:00	29.98	115.31	0.00	2.02	1.73	0.29
10/14/2013 16:00	11.91	115.31	0.00	1.29	1.73	0.00
Total (lbs)			49.17			0.29

Table 2. Air Monitoring Results

1600 SRU Reaction Furnace Malfunction October 14, 2013

	Location	SO2 Concentration	Wind Speed	Wind Direction	Comments
		ppmv	MPH	° from North	
10/14/2013 16:20	Compressor Road (within refinery) just south of stack	0	3	68	Taken during Incident
10/14/2013 16:35	Fence line at River Road south of stack	0	2	91	Taken during Incident