



PM 4/16/13

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

April 16, 2013

AI# 26003
7011 3500 0001 6349 4167

T 147996
S13-25721
Teresa W. Bissace
SERO

USPS Certified Mail:

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

Calli T. Madere, Acting Council Secretary
St. Charles Parish Emergency Group
Email pdf: cmadere@stcharlesgov.net
and cc: penny@st-charles.la.us

Subject: Unauthorized Discharge Notification Report
AI # 26003
Incident Date: 04/08/2013
LA Police Incident #: 13-01490

RECEIVED

APR 23 2013

DEQ
Single Point of Contact

Dear Sir/Madam:

- 1. Name, address, telephone number, Agency Interest (AI) number, and any other applicable identification numbers of the person, company, or other party who is filing the written report, and specific identification that the report is the written follow-up report required by LAC 33:I.3925:

Company Name: Valero St. Charles Refinery
Address: P. O. Box 518, Norco, LA 70079 (14902 River Road)
Telephone Number: 985-764-8611
AI No.: 26003

This is the first written follow-up report required by LAC 33:I.3925 for this incident.

- 2. Time and date of notification, the official contacted when reporting, the name of the person making that notification, and identification of the site or facility, vessel, transport vehicle, or storage area from which the unauthorized discharge occurred:

On April 8, 2012, at approximately 12:56 hrs, Mr. Charles H. Kock of our refinery made notifications that a malfunction of the 30 sulfur recovery unit (SRU) occurred resulting in excess emissions of sulfur dioxide via the 30 SRU’s thermal oxidizer (TOX).

<u>Agency</u>	<u>Date/Time</u>	<u>Valero Rep</u>	<u>Action</u>	<u>Agency Rep</u>	<u>Purpose</u>
State Police	04/08/2013 12:56	Charles H. Kock	Call Made	Marta	Initial & All Clear Notification
DEP	04/08/2013 13:02	Charles H. Kock	Call Made	Lee	Initial & All Clear Notification

3. Date(s), time(s), and duration of the unauthorized discharge and, if not corrected, the anticipated time it is expected to continue:

Date of Discharge: 04/08/2013
Time of Discharge: Approximately 12:00 hours
Duration: Approximately 15-20 minutes

4. Details of the circumstances and events leading to any emergency condition, including incidents of loss of sources of radiation and if the release point is subject to a permit:

On 04/08/2013, the 30 SRU malfunctioned resulting in excess sulfur dioxide emissions to the atmosphere. Details of the circumstances and events leading to the malfunction of the 30 SRU are still under investigation at this time. A follow up correspondence will be provided detailing the circumstances and events leading to the malfunction of the 30 SRU.

a. The current permitted limit for the pollutant(s) released:

SO₂: 115.31 pounds per hour (hourly maximum), 30 TOX (EQT 0196)

b. The permitted release point/outfall ID:

EQT 0196 Thermal Oxidizer, 30 TOX

c. Which limits were exceeded for air releases?

The permitted SO₂ rate and reportable quantity were exceeded for the reporting hour of 11:00. Total SO₂ emissions for the reporting hour of 11:00 were approximately 666 lbs, and total SO₂ emissions in excess of the permitted limit were approximately 551 lbs.

5. Common or scientific chemical name of each specific pollutant that was released as the result of an unauthorized discharge, including the CAS number and U.S. Dept. of Transportation hazard classification, and best estimate of amounts of any or all released pollutants (expressed in pounds, including calculations):

Common or scientific chemical name = Sulfur Dioxide, SO₂
CAS #7446-09-5
U.S. DOT hazard class = N/A
Estimated amount released = 666 lbs

6. Statement of actual or probable fate or disposition of the pollutant or source of radiation and what off-site impact resulted:

Excess sulfur dioxide emissions resulting from the 30 SRU malfunction were emitted through the 30 TOX stack to the environment and rapidly dispersed.

7. Remedial actions taken, or to be taken, to stop unauthorized discharges or to recover pollutants or sources of radiation:

We reduced sulfur feed to the 30 SRU.

8. Procedures or measures which have or will be adopted to prevent recurrence of the incident or similar incidents, including incidents of loss of sources of radiation:

Measures to prevent recurrence will be identified as part of a pending investigation.

9. If an unpermitted or unlicensed site or facility is involved in the unauthorized discharge, a schedule for submitting a permit or license application to the department, or rationale for not requiring a permit or license:

N/A

10. The reporting party's status (former or present owner, operator, disposer, etc.):

Valero Refining – New Orleans, L.L.C. is the present owner of the facility.

11. For discharges to the ground or groundwater, the following information shall also be included: all information of which the reporting party is aware that indicates pollutants are migrating, including, but not limited to, monitoring well data; possible routes of migrations; and all information of which the reporting party is aware regarding any public or private wells in the area of the migration used for drinking, stock watering, or irrigation:

N/A

12. What other agencies were notified:

The agencies listed in question number 2 were the only agencies notified.

13. Names of all other responsible parties of which the reporting party is aware:

N/A

14. A determination by the discharger of whether or not the discharge was preventable; if not, an explanation of why the discharge was not preventable.

The incident is still under investigation. We have not yet made a determination on whether or not this discharge was preventable. We will submit additional correspondence detailing the root cause of the incident.

15. The extent of injuries, if any:

There were no injuries as a result of this incident.

16. The estimated quantity, identification, and disposition of recovered materials, if any:

No material resulting from the incident was recovered.

Should you have any questions, please feel free to call me at 985-764-8611.

Sincerely,

A handwritten signature in black ink, appearing to read 'C. H. Kock', with a long horizontal flourish extending to the right.

Charles H. Kock,
Environmental Engineer



PM 4/7/13

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

June 7, 2013

7011 3500 0001 6349 8219

USPS Certified Mail:

LA Dept. of Environmental Quality
ATTN: Surveillance Division – SPOC
“Unauthorized Discharge Notification Report”
P. O. Box 4313
Baton Rouge, LA 70821-4313

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

Subject: Unauthorized Discharge Notification Report
AI No. 26003
Incident Date: 04/08/2013
LA Police Incident No. 13-01490

Dear Sir/Madam:

- 1. Name, address, telephone number, Agency Interest (AI) number, and any other applicable identification numbers of the person, company, or other party who is filing the written report, and specific identification that the report is the written follow-up report required by LAC 33:I.3925:**

Company Name: Valero St. Charles Refinery
 Address: P. O. Box 518, Norco, LA 70079 (14902 River Road)
 Telephone Number: 985-764-8611
 AI No.: 26003

This is the second written follow-up report required by LAC 33:I.3925 for this incident.

- 2. Time and date of notification, the official contacted when reporting, the name of the person making that notification, and identification of the site or facility, vessel, transport vehicle, or storage area from which the unauthorized discharge occurred:**

On April 8, 2012, at approximately 12:56 hrs, Mr. Charles H. Kock of our refinery made notifications that a malfunction of the 30 sulfur recovery unit (SRU) occurred resulting in excess emissions of sulfur dioxide via the 30 SRU's thermal oxidizer (TOX).

513-25721
T 147996
AI = 26003

Theresa Logiudice

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

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

RECEIVED

JUN 12 2013

DEQ
Single Point of Contact

A

<u>Agency</u>	<u>Date/Time</u>	<u>Valero Rep</u>	<u>Action</u>	<u>Agency Rep</u>	<u>Purpose</u>
State Police	04/08/2013 12:56	Charles H. Kock	Call Made	Marta	Initial & All Clear Notification
DEP	04/08/2013 13:02	Charles H. Kock	Call Made	Lee	Initial & All Clear Notification

3. Date(s), time(s), and duration of the unauthorized discharge and, if not corrected, the anticipated time it is expected to continue:

Date of Discharge: 04/08/2013
Time of Discharge: Approximately 12:00 hours
Duration: Approximately 15-20 minutes

4. Details of the circumstances and events leading to any emergency condition, including incidents of loss of sources of radiation and if the release point is subject to a permit:

On 04/08/2013, we experienced a sharp increase in sulfur loading of approximately 120 long tons per day (LTD) to the 30 SRU over a relatively short period of approximately 10 hours. The increased sulfur loading is correlated to changes in feedstock quality as seen in front end crude processing units. The increase in sulfur loading to the 30 SRU exceeded the design limits of the system which ultimately led to unit instability. Finally and after the unit reached a point of instability, we were unable to shed the excess sulfur loading from the 30 SRU unit to the other two remaining SRU's.

a. The current permitted limit for the pollutant(s) released:

SO₂: 115.31 pounds per hour (hourly maximum), 30 TOX (EQT 0196)

b. The permitted release point/outfall ID:

EQT 0196 Thermal Oxidizer, 30 TOX

c. Which limits were exceeded for air releases?

The permitted SO₂ max hourly rate and reportable quantity were exceeded for the reporting hour of 11:00. Total SO₂ emissions for the reporting hour of 11:00 were approximately 670 lbs, and total SO₂ emissions in excess of the permitted limit were approximately 555 lbs.

We also exceeded 250 ppmv SO₂ limit. The total duration in excess of the applicable limit is 12 hours.

- 5. Common or scientific chemical name of each specific pollutant that was released as the result of an unauthorized discharge, including the CAS number and U.S. Dept. of Transportation hazard classification, and best estimate of amounts of any or all released pollutants (expressed in pounds, including calculations):**

Common or scientific chemical name = Sulfur Dioxide, SO₂,
CAS #7446-09-5
U.S. DOT hazard class = N/A
Estimated amount released = 670 lbs

- 6. Statement of actual or probable fate or disposition of the pollutant or source of radiation and what off-site impact resulted:**

Excess sulfur dioxide emissions resulting from the 30 SRU malfunction were emitted through the 30 TOX stack to the environment and dispersed.

- 7. Remedial actions taken, or to be taken, to stop unauthorized discharges or to recover pollutants or sources of radiation:**

We reduced sulfur feed to the 30 SRU.

- 8. Procedures or measures which have or will be adopted to prevent recurrence of the incident or similar incidents, including incidents of loss of sources of radiation:**

We will implement the following corrective actions as a result of incident investigation:

1. Revise sulfur shedding procedure
2. Review the incident with effected personnel.

- 9. If an unpermitted or unlicensed site or facility is involved in the unauthorized discharge, a schedule for submitting a permit or license application to the department, or rationale for not requiring a permit or license:**

N/A

- 10. The reporting party's status (former or present owner, operator, disposer, etc.):**

Valero Refining – New Orleans, L.L.C. is the present owner of the facility.

- 11. For discharges to the ground or groundwater, the following information shall also be included: all information of which the reporting party is aware that indicates pollutants are migrating, including, but not limited to, monitoring well data; possible routes of migrations; and all information of which the reporting party is aware regarding any public or private wells in the area of the migration used for drinking, stock watering, or irrigation:**

N/A

12. What other agencies were notified:

The agencies listed in question number 2 were the only agencies notified.

13. Names of all other responsible parties of which the reporting party is aware:

N/A

14. A determination by the discharger of whether or not the discharge was preventable; if not, an explanation of why the discharge was not preventable.

This incident was reasonably preventable.

15. The extent of injuries, if any:

There were no injuries as a result of this incident.

16. The estimated quantity, identification, and disposition of recovered materials, if any:

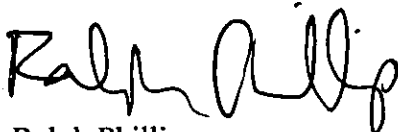
No material resulting from the incident was recovered.

Should you have any questions, please feel free to call Rob Martin of my staff at 985-764-5605.

Certification:

"I certify, based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

Sincerely,



Ralph Phillip
Vice President and General Manager