

8EHQ-0695-13471



**PHILLIPS PETROLEUM COMPANY**  
BARTLESVILLE, OKLAHOMA 74004 918 661-6600

HEALTH, ENVIRONMENT AND SAFETY

June 19, 1995



8EHQ-95-13471  
INIT 06/27/95

**ORIGINAL**

95 JUN 27 AM 11:12  
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Document Processing Center (7407)  
Office of Pollution Prevention and Toxics (OPPT)  
U.S. Environmental Protection Agency  
401 M. Street, S.W.  
Washington, DC 20460

Attn: Section 8(e) Coordinator

**Contains No CBI**

Dear Coordinator,

Phillips Petroleum Company submits the attached copy of a report which was sent to Texas Natural Resources Conservation Commission (TNRCC). We do not believe that the incident described in the report is of the nature that requires reporting under Part V(c) of the Statement of Interpretation for reporting Emergency Incident Environmental Contamination under Section 8(e) of the Toxic Substances Control Act (TSCA). Therefore, we are submitting this report under Section 8(e) solely as a protective measure.

95 JUN 29 AM 9:01  
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The incident was reported immediately to National Response Center (NRC) and EPA Region VI office by telephone. However, person contacted at EPA Region VI office (Tel: 214-749-3840) had no knowledge of TSCA Section 8(e) reporting requirements.

Please direct all questions and comments about this submission to my attention at 918-661-8153. Thank you for your time and attention.



88950000255

Sincerely,

Fred Marashi, Ph.D.  
TSCA Compliance Coordinator

FM/rh



**PHILLIPS 66 COMPANY**  
 A DIVISION OF PHILLIPS PETROLEUM COMPANY  
 BORGER COMPLEX  
 P.O. BOX 271  
 BORGER, TEXAS 79008-0271

RECEIVED  
 95 JUN 27 AM 11:13

June 16, 1995

**CERTIFIED MAIL/RETURN RECEIPT REQUESTED**

Mr. Richard Costa - Air Program Manager  
 Texas Natural Resource Conservation Commission  
 3918 Canyon Drive  
 Amarillo, Texas 79109-4996

**RE: PHIL/TEX HYDROGEN SULFIDE RELEASE**  
 May 24, 1995 (NRC REPORT NO. 292807)  
 (TNRCC ACCOUNT HW-0013-C)

Dear Mr. Costa:

This is the written follow-up report for the CERCLA/SARA release that occurred on May 24, 1995 at Phillips 66 Company's Borger Complex. Approximately 4,000 pounds of hydrogen sulfide (H<sub>2</sub>S - CAS# 7783-06-4) was released from tank F-16. H<sub>2</sub>S is listed as an extremely hazardous substance by the EPA. The material was released to the atmosphere.

The event was called into the following agencies:

Agency	Date	Phone	Contact
TNRCC Amarillo	05/24/95	1405	Mary Gonzalez
LEPC	05/24/95	1406	Helea McGinley
NRC	05/24/95	1415	Sheila Ewart

Operational problems were the cause of the release. The malfunctioning process equipment was shut down and the bypass to the flare on tank F-16 opened to stop the release.

There was one injury that occurred during the event. An employee of Groendyke Transport of Borger was loading his tank truck in the immediate area of the release. The noise caused from the release prompted the driver to run. He fell causing him to receive contusions to the head which required sutures. The driver was transported to the hospital where he was placed under a physician's care. It was not determined during the incident investigation what caused the driver to fall, but he never lost consciousness.

The immediate area was evacuated according to the facility evacuation procedures. The evacuation did not require anyone to leave the plant property.

We foresee no acute or chronic health risks associated with the release other than the injury mentioned.

JUN-16-1995 14:54 PHILLIPS 66  
event, please contact me at (806) 275-1378.

806 275 1818 P. 03/05

Sincerely,

*Scott Harmon*

Scott Harmon  
Environmental Compliance Specialist

**Attachment**

cc: Danny Richards, Hutchinson County LEPC (with attachment)  
Compliance Division, TNRCC, Austin, TX (with attachment)  
Steve Mason, EPA Region VI, Dallas, TX (with attachment)

**REPORT FORM FOR NOTIFICATION REQUIREMENTS FOR MAJOR UPSET (RULE 7),  
PLANNED MAINTENANCE (RULE 8), START-UP OR SHUTDOWN**

MSSL ACCOUNT NO: \_\_\_\_\_ REGION: \_\_\_\_\_ (This line for State use only)  
 COMPANY NAME: Phillips 66 Company, a division of Phillips Petroleum Company  
 PLANT LOCATION: Borger Complex, 2 miles northeast of Borger on State Spur 119  
 MAILING ADDRESS: P.O. Box 271 CITY: Borger STATE: Texas ZIP CODE: 79008-0271  
 OWNER, OPERATOR OR RESPONSIBLE MANAGEMENT: T. R. Nance, General Manager  
 TELEPHONE NUMBER: (806) 275-1201

NATURE OF UNIT OR PROCESS AFFECTED (AND OTHER PROCESSES AFFECTED, IF ANY):  
Phitec Plant - Commercial Products Unit (CPU) and Tank F-16 (Account HW-0013-C)

INCLUSIVE DATES IF FOR SHUTDOWN AND START-UP: 05/24/95

TIME AND EXPECTED DURATION OF EXCESSIVE EMISSIONS: 1300, approximately 1 minute

REASON OR CAUSE:  Planned Maintenance { }  Major Upset { x }

EXPLANATION: Erratic temperature control of the #1 UV stripper caused H<sub>2</sub>S to enter Tank F-16. The material vaporized which overpressured the tank, causing the safety relief valve to depressure the vessel to the atmosphere.

LEVEL OF EMISSIONS (GIVE BASIS FOR ESTIMATE), PHYSICAL AND CHEMICAL COMPOSITION, RATE, CONCENTRATION, AND DURATION:

Approximately 4,000 pounds of Hydrogen sulfide was released.

MEASURES (TO BE) TAKEN TO MINIMIZE QUANTITY AND DURATION OF EMISSIONS:

The bypass around the pressure regulator was opened allowing the vessel to depressure to the flare. Also, the malfunctioning process equipment was shut down.

MEASURES (TO BE) TAKEN TO PREVENT RECURRENCE (IF NOT DETERMINED YET, GIVE DATE WHEN MEASURES WILL BE SUBMITTED): The temperature control strategy was changed on the #1 UV stripper. This includes both operational and physical changes. Piping was installed to facilitate a new startup procedure. A temperature indicator and alarm was installed on the effluent of the #2 UV stripper which is intended to provide the operators enough reaction time to prevent recurrence.

DATE, TIME, AND MEANS OF NOTIFICATION (LETTER, TELEPHONE, ETC):

COMPLIANCE DIVISION: By copy of this report.

REGIONAL OFFICE: By telephone: 05/24/95 at 1405 Mary Gonzalez.

LOCAL PROGRAM: Not applicable.

DATE: 06/16/95

SIGNED: Scott Harmon

Scott Harmon, Environmental Compliance Specialist

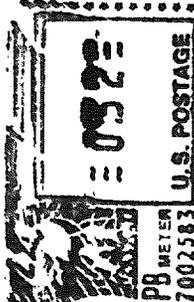
cc: Compliance Division, Austin, TX



**PHILLIPS PETROLEUM COMPANY**  
BARTLESVILLE, OKLAHOMA 74004

Fred Marashi  
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**Best Available Copy**

Document Processing Center (7407)  
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