



U.S. Department of Transportation
Research and Special Programs Administration

Hazardous Materials Incident Report

Form Approval OMB No. 3137-0039

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 2137-0039. The filling out of this information is mandatory and will take 96 minutes to complete.

INSTRUCTIONS

Submit this report to the Information Systems Manager, U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration, Office of Hazardous Materials Safety, DHM-63, Washington, D.C. 20590-0001. If space provided for any item is inadequate, use a separate sheet of paper, identifying the entry number being completed. Copies of this form and instructions can be obtained from the Office of Hazardous Materials Website at <http://hazmat.dot.gov>. If you have any questions, you can contact the Hazardous Materials Information Center at 1-800-HMR-4922 (1-800-467-4922) or online at <http://hazmat.dot.gov>.

PART I - REPORT TYPE

1. Incident Id: I-2014020302
2. This is to report: A

PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident:
07/21/2013
4. Time of Incident (use 24-hour time):
10:00
5. Enter National Response Center Report Number (if applicable):
1054597
6. If you submitted a report to another Federal DOT agency, enter the agency and report number:
7. Location of Incident:
- City: SMITHTON
County: WESTMORELAND
State: PA
Zip Code: (if known):
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:
EXIT 49 OF I-70 WB SMITHTON,PA
8. Mode of Transportation: Highway
9. Transportation Phase: In Transit
10. Carrier/Reporter:
- Name: HALLIBURTON ENERGY SERVICES, INC
Street: 343 RIDDELL RD
City: MONTGOMERY
State: PA
Zip Code: 17752-9244
Federal DOT Id Number: 126693
Hazmat Registration Number: 060313554064V
11. Shipper/Officer:
- Name: HALLIBURTON ENERGY SERVICES, INC
Street: 343 RIDDELL RD
City: MONTGOMERY
State: PA
Zip Code: 17752-9244
Waybill/Shipping Paper:
Hazmat Registration Number: 060313554064V
12. Origin (if different from shipper address)
- Street: 4646 NUMBER TWO RIDGE ROAD
City: DALLAS
State: WV
Zip Code: 26036
13. Destination:
- Street: 101 LUCERNE ROAD
City: HOMER CITY
State: PA
Zip Code:
14. Proper Shipping Name of Hazardous Material: HYDROCHLORIC ACID
15. Technical/Trade Name: HYDROCHLORIC ACID
16. Hazardous Class/Division: Corrosive Material
17. Identification Number: (E.g. UN2764, NA 2020) UN1789

- 18. Packing Group:** (if applicable) II
- 19. Quantity Released:** (Include Measurement Units) 100 Liquid - Gallon
- 20. Was the material shipped as a hazardous waste?** False
If yes, provide the EPA Manifest Number:
- 21. Is this a Toxic by Inhalation (TIH) material?** False
If yes, provide the Hazard Zone:
- 22. Was the material shipped under an Exemption, Approval, or Competent Authority Certificate?** False
If yes, provide the Exemption, Approval, or CA number:
- 23. Was this an undeclared hazardous materials shipment?** False

PART III - PACKAGING INFORMATION

24. Check Packaging Type (check only one - if more than one, list type of packaging, copy Part III, and complete for each type:

Cargo Tank Motor Vehicle (CTMV)

25. See instructions and enter the appropriate failure codes found at the end of the instructions. Be sure to enter the codes from the list that corresponds to the particular packaging type checked above. Enter the number of codes as appropriate to describe the incident.

Enter the most important failure point in line 1. If there are more than two failure points, provide in this format in part VI.

What Failed: - 106-Bottom Outlet Valve

How Failed: - 308-Leaked

Causes of Failure: - Loose Closure, Component, or Device

26a. Provide the packaging identification markings, if available.

Identification Markings: DOT 407 (HIGHWAY)

(Examples: 1A1/Y1.4/150/92/USA/RB/93/RL, UN31H1/Y0493/USA/M9339/10800/1200, DOT - 105A - 100W (RAIL), DOT 406 (HIGHWAY), DOT 51, DOT 3-A)

26b. For Non-bulk, IBC, or non-specification packaging, if identification markings are incomplete or unavailable, see instructions and complete the following:

Single Package or Outer Packaging:

Single Package or Inner Packaging (if any):

Packaging Type:
Material of Construction:
Head Type (Drums only):

Packaging Type:
Material of Construction:

27. Describe the package capacity and the quantity:

Single Package or Outer Packaging:

Single Package or Inner Packaging (if any):

Package Capacity:
Amount in Package:
Number in Shipment:
Number Failed:

Package Capacity:
Amount in Package:
Number in Shipment:
Number Failed:

28. Provide packaging construction and test information, as appropriate:

Manufacturer: WORLEY WELDING WORKS, INC Manufacture Date: 01/21/2011
Serial Number: 1W9TS3929BL21600 Last Test Date: 10/09/2012
Material of Construction: STAINLESS STEEL SA-36 (if Tank Car, CTMV, Portable Tank, or Cylinder)
Design Pressure: (if Tank Car, CTMV, Portable Tank)
Shell Thickness: 0.25 INCH (if Tank Car, CTMV, Portable Tank)
Head Thickness: 0.25 INCH (if Tank Car, CTMV)
Service Pressure: (if Cylinder)
If valve or device failed:
Type: FLAP VALVE BOTTO
Model:
Manufacturer:

29. If the packaging is for Radioactive Materials, complete the following:

Packaging Category:
Packaging Certification:
Certification Number:
Nuclide(s) Present: Transport Index:
Activity:
Critical Safety Index:

PART IV – CONSEQUENCES

30. Result of Incident (check all that apply):

- | | | | |
|---------------------------|-------|--|-------|
| - Spillage: | True | - Fire: | False |
| - Explosion: | False | - Material Entered Waterway/Storm Sewer: | False |
| - Vapor (Gas) Dispersion: | False | - Environmental Damage: | False |
| - No Release: | False | | |

31. Emergency Response: The following entities responded to the incident: (Check all that apply)

- Fire/EMS Report #: True
Police Report #: True
In-house cleanup: True
Other Cleanup: True

32. Damages Was the total damage cost more than \$500?

True

If yes, enter the following information: (If no, go to question 33.)

Material Loss: \$ 0.00
Carrier Damage: \$ 0.00
Property Damage: \$ 0.00
Response Cost: \$ 3,734.00
Remediation/Cleanup Cost: \$ 10,000.00
(See damage definitions in the instructions)

33a. Did the hazardous material cause or contribute to a human fatality?

False

If yes, enter the number of fatalities resulting from the hazardous material:

Employees: 0
Responders: 0
General Public: 0

33b. Were there human fatalities that did not result from the hazardous material?

False

If yes, how many? 0

34. Did the hazardous material cause or contribute to personal injury?

False

If yes, enter the number of injuries resulting from the hazardous material:

Hospitalized (Admitted Only):

Employees: 0
Responders: 0
General Public: 0

Non-Hospitalized:

(e.g.: On site first aid or Emergency Room observation and release)

Employees: 0
Responders: 0
General Public: 0

35. Did the hazardous material cause or contribute to an evacuation?

False

If yes, provide the following information:

Total number of general public evacuated:
Total number of employees evacuated:
Total evacuated:
Duration of the evacuation:

36. Was a major transportation artery or facility closed?

True

If yes, how many? 4

37. Was the material involved in a crash or derailment?

False

If yes, provide the following information:

Estimated speed (mph):
Weather conditions:
Vehicle overturned?
Vehicle left roadway/track?

PART V - AIR INCIDENT INFORMATION (please refer to S 175.31 to report a discrepancy for air shipments)

38. Was the shipment on a passenger aircraft?

If yes, was it tendered as cargo, or as passenger baggage?

39. Where did the incident occur (if unknown, check the appropriate box for the location where the incident was discovered)?

40. What phase(s) had the shipment already undergone prior to the incident? (Check all that apply)

- | | |
|--|--|
| - Shipment had not been transported | - Transported by air (first flight) |
| - Transport by air (subsequent flights) | - Initial transport by highway to cargo facility |
| - Transfer at sort center/cargo facility | |

PART VI - DESCRIPTION OF EVENTS & PACKAGE FAILURE

- Describe the sequence of events that led to the incident and the actions taken at the time it was discovered. Describe the package failure, including the size and location of holes, cracks, etc. Photographs and diagrams should be submitted if needed for clarification. Estimate the duration of the release, if possible. Describe what was done to mitigate the effects of the release. Continue on additional sheets if necessary.

Describe:

BETWEEN 9:00 AM AND 10:00 AM ON JULY 21, 2013, A RELEASE OF DILUTED HCI (THE MATERIAL) OCCURRED NEAR EXIT 49 OF INTERSTATE 70 WESTBOUND IN SMITHTON, PA. THE QUANTITY OF MATERIAL RELEASED IS ESTIMATED AT LESS THAN 100-GALLONS. THE MATERIAL WAS IN TRANSPORT BY A HALLIBURTON CARGO TANK MOTOR VEHICLE (CTMV) (TRUCK #12012598, TRAILER #11630623) AT THE TIME OF INCIDENT. THE MATERIAL RELEASED FROM THE CTMV IMPACTED APPROXIMATELY 100 YARDS OF ASPHALT AND GRAVEL ALONG EXIT 49 OF I-70. AVAILABLE INFORMATION INDICATES THAT THE MATERIAL RELEASED FROM THE CTMV TO THE ROADWAY DID NOT ENTER WATERWAYS OR CONVEYANCE SYSTEMS.

THIS INCIDENT WAS REPORTED TO THE NRC ON JULY 21, 2013, UNDER INCIDENT NUMBER 1054597 AND PADEP REGION V OFFICE WITH NO INCIDENT NUMBER.

HALLIBURTON'S INITIAL INCIDENT ASSESSMENT INDICATED THAT A VALVE ON THE CTMV MAY HAVE MALFUNCTIONED, RESULTING IN THE RELEASE OF DILUTED HCI FROM THE CTMV WHILE IN TRANSIT. HALLIBURTON REMOVED THE CTMV FROM SERVICE AND QUARANTINED IT AT ONE OF ITS SECURE FACILITIES UNTIL FURTHER INVESTIGATION AND TO PERFORM NECESSARY REPAIRS. ADDITIONAL INVESTIGATION AND ASSESSMENTS HAVE BEEN CONDUCTED AND SUPPORT THE INITIAL INCIDENT ASSESSMENT. VERY LITTLE CORROSION IS EVIDENT ON THE CTMV AND ALL EVIDENCE INDICATES THAT THE "FLAPPER VALVE BOTTOM PIN" FOR THE REAR CTMV TANK COMPARTMENT FAILED IN TRANSPORT AND THE HCI RELEASED FROM THE FLAPPER VALVE. THE PIN WAS NOT FOUND OR RECOVERED AT THE SCENE.

PART VII - RECOMMENDATIONS/ACTIONS TAKEN TO PREVENT RECURRENCE

- Where you are able to do so, suggest or describe changes (such as additional training, use of better packaging, or improved operating procedures) to help prevent recurrence. Provide recommendations for improvement to hazardous materials transportation beyond the control of your individual company. Continue on additional sheets if necessary.

Describe:

IMMEDIATE CORRECTIVE ACTIONS OCCURRED ON JULY 21, 2013, INCLUDING:

- HALLIBURTON INITIATED EMERGENCY RESPONSE WITH THE ASSISTANCE OF LOCAL CONTRACTED EMERGENCY RESPONDERS;
- LOCAL AUTHORITIES (FIRE DEPARTMENT, POLICE, AND PENNDOT) RESPONDED TO SCENE;
- LOCAL AUTHORITIES CLOSED ALL LANES OF I-70 FOR APPROXIMATELY 4 HOURS WHILE EMERGENCY RESPONSE ACTIONS OCCURRED;
- EMERGENCY RESPONSE ACTIONS ON-SITE INCLUDED PLUGGING A POTENTIALLY MALFUNCTIONING VALVE ON THE CTMV AND REMOVING ANY STANDING LIQUIDS THROUGH USE OF ABSORBENTS, INCLUDING THE APPLICATION OF SODA ASH TO SPILLED MATERIALS;
- HALLIBURTON'S EMERGENCY RESPONDERS PUMPED THE REMAINING CONTENTS TO ANOTHER CTMV; AND
- HALLIBURTON'S EMERGENCY RESPONDERS COLLECTED, DRUMMED AND PROPERLY DISPOSED OF WASTE MATERIALS FROM ON-SITE EMERGENCY RESPONSE ACTIVITIES (E.G., NEUTRALIZED ABSORBENTS, ETC.).

ADDITIONAL CORRECTIVE ACTIONS FOLLOWING INCIDENT:

SIMILARLY CONSTRUCTED CTMV TANKS USED IN THIS CAPACITY (HCI TRANSPORT) BY HALLIBURTON - NORTHEAST AREA HAVE BEEN INSPECTED BY QUALIFIED PERSONNEL AND ANY POTENTIAL DEFICIENCIES HAVE BEEN APPROPRIATELY CORRECTED.

ADDITIONALLY, THE CTMV INVOLVED IN INCIDENT WILL BE FULLY REPAIRED AND TESTED PRIOR TO BEING RETURNED INTO SERVICE.

PART VIII - CONTACT INFORMATION

Contact's Name:	KELSEY J. TROM
Contact's Title:	ENVIRONMENTAL SPECIALIST
Business Name and Address:	HALLIBURTON ENERGY SERVICES 10200BELLAIRE BLVD HOUSTON TX 770772
E-mail Address:	KELSEY.TROM@HALLIBURTON.COM
Telephone Number:	281-575-3881
Fax Number:	281-575-3188
Hazmat Registration Number:	
Date:	08/19/2013
Preparer is:	Carrier

