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:** E-2012110385
**2. This is to report:** A

## PART II - GENERAL INCIDENT INFORMATION

**3. Date of Incident:**
10/30/2012

**4. Time of Incident (use 24-hour time):**
10:50

**5. Enter National Response Center Report Number (if applicable):**

**6. If you submitted a report to another Federal DOT agency, enter the agency and report number:**

**7. Location of Incident:**
City: CHICO
County: BUTTE
State: CA
Zip Code: (if known): 95973
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:
4933 Anita Rd.

**8. Mode of Transportation:** Highway

**9. Transportation Phase:** Loading

**10. Carrier/Reporter:**
Name: Reliance Propane Service
Street: 6434 Skyway
City: Paradise
State: CA
Zip Code: 95969
Federal DOT Id Number: 1179005
Hazmat Registration Number: 062811 552 072

**11. Shipper/Offeror:**
Name: Reliance Propane Service
Street: 6434 Skyway
City: Paradise
State: CA
Zip Code: 95969
Waybill/Shipping Paper: Not numbered
Hazmat Registration Number: 062811 552 072

**12. Origin (if different from shipper address)**
Street:
City:
State:
Zip Code:

**13. Destination:**
Street: multiple addresses
City: Chico
State: CA
Zip Code: 95926

**14. Proper Shipping Name of Hazardous Material:** LPG

**15. Technical/Trade Name:** Propane

**16. Hazardous Class/Division:** Flammable Gas

**17. Identification Number:** (E.g. UN2764, NA 2020) UN1075

**18. Packing Group:** (if applicable)

**19. Quantity Released:** (Include Measurement Units) 2 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: - 134-Liquid Valve
How Failed: - 308-Leaked
Causes of Failure: - Human Error

**26a. Provide the packaging identification markings, if available.**
Identification Markings: NO MARKINGS GIVEN
(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: | Packaging Type: |
| Material of Construction: | Material of Construction: |
| Head Type (Drums only): | |

**27. Describe the package capacity and the quantity:**

| Single Package or Outer Packaging: | | Single Package or Inner Packaging (if any): | |
|---|---|---|---|
| Package Capacity: | 2424 Liquid - Gallon | Package Capacity: | |
| Amount in Package: | 2000 Liquid - Gallon | Amount in Package: | |
| Number in Shipment: | 1 | Number in Shipment: | |
| Number Failed: | 1 | Number Failed: | |

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

| | | | |
|---|---|---|---|
| Manufacturer: | American Bridge | Manufacture Date: | 01/01/1974 |
| Serial Number: | 116917 | Last Test Date: | 09/01/2011 |
| Material of Construction: | steel (if Tank Car, CTMV, Portable Tank, or Cylinder) | | |
| Design Pressure: | 250 PSI (if Tank Car, CTMV, Portable Tank) | | |
| Shell Thickness: | 0.425 INCH (if Tank Car, CTMV, Portable Tank) | | |
| Head Thickness: | 0.237 INCH (if Tank Car, CTMV) | | |
| Service Pressure: | (if Cylinder) | | |

If valve or device failed:
Type: N/A
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: | False | - Fire: | True |
| - Explosion: | False | - Material Entered Waterway/Storm Sewer: | False |
| - Vapor (Gas) Dispersion: | True | - Environmental Damage: | False |
| - No Release: | False | | |

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

Fire/EMS Report #: True 11049
Police Report #: False
In-house cleanup: False
Other Cleanup: False

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

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: $ 0.00
Remediation/Cleanup Cost: $ 0.00

*(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?** True

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

**Hospitalized (Admitted Only):**

Employees: 1
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: 0
Total number of employees evacuated: 0
Total evacuated: 0
Duration of the evacuation: 0

**36. Was a major transportation artery or facility closed?** False

If yes, how many? 0

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

If yes, provide the following information:

Estimated speed (mph): 0
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:**

Reliance Propane delivery driver Chris Wilson had finished loading a bobtail delivery truck. He had stowed the loading hoses, secured them with a chain and padlock, and locked the chain link gate surrounding the storage tank. He had not yet installed the caps on the loading connections, and for some reason, opened the manual ball valve at the loading connection, draining about 2ft. of 2" pipe up to the next automatic shut-off valve. Some of the gas released ignited, causing his burn injury. The release lasted for a second or two, and stopped as that section of piping emptied. There was no additional release or fire. There was no equipment malfunction or damage. Truck and Storage tank were inspected by an outside industry inspector, and returned to service.

## 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:**

We have been unable to determine why the driver opened the valve. He has properly completed this task hundreds of times. We have reviewed the incident with fellow employees, and the need to avoid operator complacency or in-attention, although training had been adequate to properly complete the task. We will be re-fitting a newly released loading valve design which will further limit the amount of product that could be released. We are also installing cameras on our trucks and at storage locations to further monitor the truck loading process.

## PART VIII – CONTACT INFORMATION

| | |
|---|---|
| Contact's Name: | Scott Steele |
| Contact's Title: | President |
| Business Name and Address: | Reliance Propane Service<br>6434 Skyway Paradise CA 95969 |
| E-mail Address: | ssreliance@yahoo.com |
| Telephone Number: | 530-872-7740 |
| Fax Number: | 530-877-6483 |
| Hazmat Registration Number: | |
| Date: | 11/28/2012 |
| Preparer is: | Carrier |

01/01/1974