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-2024110380
2. This is to report: A

PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident:
11/11/2024

4. Time of Incident (use 24-hour time):
07:17

5. Enter National Response Center Report Number (if applicable):
1416051

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

7. Location of Incident:
City: CHATTANOOGA
County: HAMILTON
State: TN
Zip Code: (if known): 37419
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:
00J 145

8. Mode of Transportation: Rail

9. Transportation Phase: In Transit

10. Carrier/Reporter:
Name: CSX TRANSPORTATION, INC.
Street: 500 WATER ST
City: JACKSONVILLE
State: FL
Zip Code: 32202-4445
Federal DOT Id Number: 29619
Hazmat Registration Number:

11. Shipper/Offeror:
Name: CENTENNIAL ENERGY, LLC
Street: 865 ALBION ST STE 400
City: DENVER
State: CO
Zip Code: 80220
Waybill/Shipping Paper: 833649
Hazmat Registration Number:

12. Origin (if different from shipper address)
Street: 1000 Chattahoochee Ave NW
City: ATLANTA
State: GA
Zip Code: 30318

13. Destination:
Street: 46700 GIACOBBI RD
City: CLERMONT CNTY
State: OH
Zip Code: 45121

14. Proper Shipping Name of Hazardous Material: LIQUEFIED PETROLEUM GAS

15. Technical/Trade Name: Butane

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:
Tank Car

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; 158-Vapor Valve
How Failed: - 308-Leaked; 308-Leaked
Causes of Failure: - Inadequate Preparation for Transportation; Inadequate Preparation for Transportation

26a. Provide the packaging identification markings, if available.
Identification Markings: DOT112J340W
(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:	33970 Liquid - Gallon	Package Capacity:
Amount in Package:	100 Liquid - Gallon	Amount in Package:
Number in Shipment:		Number in Shipment:
Number Failed:		Number Failed:

28. Provide packaging construction and test information, as appropriate:
Manufacturer:
Serial Number:
Material of Construction: (if Tank Car, CTMV, Portable Tank, or Cylinder)
Design Pressure: (if Tank Car, CTMV, Portable Tank)
Shell Thickness: (if Tank Car, CTMV, Portable Tank)
Head Thickness: (if Tank Car, CTMV)
Service Pressure: (if Cylinder)
If valve or device failed:
Type: 2" Angle Valve
Model: A789
Manufacturer: Rego

Manufacture Date:
Last Test Date:

29. If the packaging is for Radioactive Materials, complete the following:
Packaging Category:
Packaging Certification:
Certification Number:
Nuclide(s) Present:
Activity:
Critical Safety Index:
Transport Index:

PART IV – CONSEQUENCES

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

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

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

Fire/EMS Report #:
Police Report #:
In-house cleanup: False
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:	$ 1,500.00
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:	
Responders:	
General Public:	

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

If yes, how many?

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:	
Responders:	
General Public:	

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

Employees:	
Responders:	
General Public:	

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:	0
Duration of the evacuation:	

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

If yes, how many?

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

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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:

On 11/11/2024, at 0709 hours, personnel in the CSXT Wauhatchie Yard in Chattanooga, Tennessee, discovered PROX32359, a tank car, residue: last contained, Butane leaking from the top of the car. The car was isolated and the shipper, Centennial Energy was notified via CHEMTREC (Report # 2024-11-11-00010). Marion Environmental Inc. (MEI), a CSXT response contractor, was dispatched to the scene and found an active leak from the protective housing. Upon further inspection it was found to have the B-end liquid valve partially open; and the secondary closure plug less than tool tight with no thread tape applied. The vapor valve was also found to be partially open with the secondary closure plug less than tool tight without thread tape. Contractor personnel we able to close both valves, apply thread tape to the secondary plugs and secure them with a wrench. The issues identified and corrective actions were communicated to the shipper's representative- Nick Petrosky (303-370-7102, npetrosky@centennialenergy.us).

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:

NO COMMENTS PROVIDED

PART VIII – CONTACT INFORMATION

Contact's Name:	Joseph McCann
Contact's Title:	Director of Hazardous Materials
Business Name and Address:	CSX TRANSPORTATION, INC. 500 WATER ST JACKSONVILLE VA 32202-4445
E-mail Address:	joseph_mccann@csx.com
Telephone Number:	8042267591
Fax Number:	
Hazmat Registration Number:	
Date:	12/08/2024
Preparer is:	Carrier