



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-2011010088  
2. This is to report: A

### PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident: 12/08/2010  
4. Time of Incident (use 24-hour time): 07:45  
5. Enter National Response Center Report Number (if applicable): 961686  
6. If you submitted a report to another Federal DOT agency, enter the agency and report number:  
7. Location of Incident:  
City: RANDOLPH  
County: DAKOTA  
State: MN  
Zip Code: (if known): 55065  
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:  
4411 Upper 291st St E  
8. Mode of Transportation: Highway  
9. Transportation Phase: Unloading  
10. Carrier/Reporter:  
Name: Western Co-op Transport  
Street: 4501 72nd Ave SW  
City: Montevideo  
State: MN  
Zip Code: 56265  
Federal DOT Id Number: 124701  
Hazmat Registration Number: 05141055094S  
11. Shipper/Officer:  
Name: CHS  
Street: 5500 Cenex Drive  
City: Inver Grove Heights  
State: MN  
Zip Code: 55077  
Waybill/Shipping Paper: U01465  
Hazmat Registration Number:  
12. Origin (if different from shipper address)  
Street: 13040 Pine Bend Trail  
City: Rosemount  
State: MN  
Zip Code: 55068  
13. Destination:  
Street: 4411 Upper 291st St East  
City: Randolph  
State: MN  
Zip Code: 55065  
14. Proper Shipping Name of Hazardous Material: AMMONIA ANHYDROUS  
15. Technical/Trade Name: Anhydrous Ammonia  
16. Hazardous Class/Division: Nonflammable Compressed Gas  
17. Identification Number: (E.g. UN2764, NA 2020) UN1005

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

**19. Quantity Released:** (Include Measurement Units) 11100 Gas - Cubic Foot

**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?** True

If yes, provide the Hazard Zone: D

**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:**

Other, AST

**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: - 109-Closure (e.g., Cap, Top, or Plug)

How Failed: - 313-Vented

Causes of Failure: - Missing Component or Device

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

Identification Markings: Customer Tank

(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:  
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:  
Model:  
Manufacturer:

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:               | False | - Fire:                                  | False |
| - 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 #: False  
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: 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: 55

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

True

If yes, provide the following information:

Total number of general public evacuated: 500  
Total number of employees evacuated: 0  
Total evacuated: 500  
Duration of the evacuation: 0

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

True

If yes, how many? 3

### 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:

Driver was unloading anhydrous ammonia into an 18,000 gallon above ground storage tank. The customer had ordered four loads. The driver started to unload the product and saw vapor coming from the storage tank. He immediately shut down the truck pump and notified the customer who then closed a valve on the storage tank where they had removed a pump.

## 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:

Lock out tag out on the bulk tank system should have been done so the driver would have known the pump had been removed and the tank was open to the atmosphere.

## PART VIII – CONTACT INFORMATION

|                             |                                                                       |
|-----------------------------|-----------------------------------------------------------------------|
| Contact's Name:             | Dennis Dahl                                                           |
| Contact's Title:            | Operations Manager                                                    |
| Business Name and Address:  | Western Co-op Transport Assn.<br>4501 72nd Ave SW Montevideo MN 56265 |
| E-mail Address:             | dedahl@westernco-op.com                                               |
| Telephone Number:           | 320-269-5531                                                          |
| Fax Number:                 | 320-269-5532                                                          |
| Hazmat Registration Number: |                                                                       |
| Date:                       | 01/11/2011                                                            |
| Preparer is:                | Carrier                                                               |