



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: X-2010030153
2. This is to report: A

PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident: 02/18/2010
4. Time of Incident (use 24-hour time): 05:30
5. Enter National Response Center Report Number (if applicable): 931557
6. If you submitted a report to another Federal DOT agency, enter the agency and report number:
7. Location of Incident:
City: SANTE FE
County: GALVESTON
State: TX
Zip Code: (if known): 77510
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:
8. Mode of Transportation: Rail
9. Transportation Phase: In Transit
10. Carrier/Reporter:
Name: BNSF Railway Company
Street: 2600 Lou Menk Drive
City: Fort Worth
State: TX
Zip Code: 76131-2830
Federal DOT Id Number: 281683
Hazmat Registration Number: 051909004014RT
11. Shipper/Officer:
Name: Evraz Rocky Mountain Steel Mills
Street: 1612 E. Abriendo Avenue
City: PUEBLO
State: CO
Zip Code: 81004
Waybill/Shipping Paper: BNSF769402
Hazmat Registration Number: N/A
12. Origin (if different from shipper address)
Street: 1612 E. Abriendo Avenue
City: PUEBLO
State: CO
Zip Code: 81004
13. Destination:
Street: Serafin Pena 938 SUR
City: Monterrey
State: ZZ
Zip Code: N/A
14. Proper Shipping Name of Hazardous Material: HAZARDOUS WASTE, SOLID, N.O.S.
15. Technical/Trade Name:
16. Hazardous Class/Division: Miscellaneous Hazardous Material
17. Identification Number: (E.g. UN2764, NA 2020) NA3077

18. Packing Group: (if applicable) III

19. Quantity Released: (Include Measurement Units) 59500 Solid - Pound

20. Was the material shipped as a hazardous waste? True
If yes, provide the EPA Manifest Number: 00045293700000000000

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: - 103-Basic Material

How Failed: - 308-Leaked

Causes of Failure: - Derailment

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

Identification Markings:

(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: 202600 Solid - Pound
Amount in Package: 198500 Solid - Pound
Number in Shipment: 1
Number Failed: 1

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: 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 | None |
| Police Report #: | True | None |
| In-house cleanup: | True | |
| Other Cleanup: | False | |

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:	\$ 6,800.00
Carrier Damage:	\$ 0.00
Property Damage:	\$ 0.00
Response Cost:	\$ 2,000.00
Remediation/Cleanup Cost:	\$ 15,000.00

(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?

True

If yes, provide the following information:

Total number of general public evacuated:	80
Total number of employees evacuated:	0
Total evacuated:	80
Duration of the evacuation:	11

36. Was a major transportation artery or facility closed?

True

If yes, how many? 11

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

True

If yes, provide the following information:

Estimated speed (mph):	49
Weather conditions:	Clear, 35 F
Vehicle overturned?	True
Vehicle left roadway/track?	True

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:

A BNSF train operating on single main track derailed 24 railcars after transversing a turnout switch. Amongst the derailed railcars was FTLX 311731 (AAR C113 three compartment covered hopper) that derailed on its side. The ground impact caused the top hatchways on FTLX 311731 to jar open with subsequent release of its lading onto the ground. The top hatchways were closed by BNSF responders and FTLX 311731 was covered with tarps. Ground spillage was vacuumed and placed in vacuum boxes for appropriate disposal. The remaining lading in FTLX 311731 was transferred into another suitable covered hopper and forwarded to the original consignee. FTLX 311731 deemed destroyed, was cleaned and scheduled for dismantling.

A BNSF train operating on single main track derailed 24 railcars after transversing a turnout switch. Amongst the derailed railcars was SRIX 80097 (DOT 111A100W1 tank car) that derailed leaning and sustained a puncture at the manway nozzle (approximately 8 inches in diameter and approximately one foot above the nozzle base). Product escaped from this manway nozzle breach until the internal product level was below the breach hole in the nozzle. Spillage on the ground solidified and was excavated. Recovered ground spillage and the remaining product in SRIX 80097 that was extracted were placed into roll-off boxes and transported off-site for disposal at an approved landfill site. SRIX 80097 deemed destroyed, was cleaned and dismantled.

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 additional comments.

PART VIII – CONTACT INFORMATION

Contact's Name:	Richard McMahon
Contact's Title:	Manager Hazardous Materials Risk Management
Business Name and Address:	BNSF Railway Company 4200 Deen Road FORT WORTH TX 76106
E-mail Address:	rich.mcmahon@bnsf.com
Telephone Number:	817-740-7355
Fax Number:	817-740-7250
Hazmat Registration Number:	051909004014RT
Date:	
Preparer is:	Carrier



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1. Incident Id: X-2010030153
2. This is to report: A

PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident: 02/18/2010
4. Time of Incident (use 24-hour time): 05:30
5. Enter National Response Center Report Number (if applicable): 931557
6. If you submitted a report to another Federal DOT agency, enter the agency and report number:
7. Location of Incident:
City: SANTE FE
County: GALVESTON
State: TX
Zip Code: (if known): 77510
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:
8. Mode of Transportation: Rail
9. Transportation Phase: In Transit
10. Carrier/Reporter:
Name: BNSF Railway Company
Street: 2600 Lou Menk Drive
City: Fort Worth
State: TX
Zip Code: 76131-2830
Federal DOT Id Number: 281683
Hazmat Registration Number: 051909004014RT
11. Shipper/Officer:
Name: SUNCOR ENERGY (U.S.A.), INC.
Street: 5801 BRIGHTON BLVD
City: COMMERCE CITY
State: CO
Zip Code: 80022-3612
Waybill/Shipping Paper: BNSF629486
Hazmat Registration Number:
12. Origin (if different from shipper address)
Street: 5801 Brighton Blvd.
City: COMMERCE CITY
State: CO
Zip Code: 80022
13. Destination:
Street: 201 Dock Road
City: TEXAS CITY
State: TX
Zip Code: 77590
14. Proper Shipping Name of Hazardous Material: ELEVATED TEMPERATURE LIQUID, N.O.S., AT OR ABOVE 100 C AND BELOW ITS FLASH POINT (INCLUDING MOLTEN METALS, MOLTEN SALTS, ETC.)
15. Technical/Trade Name:
16. Hazardous Class/Division: Miscellaneous Hazardous Material
17. Identification Number: (E.g. UN2764, NA 2020) UN3257

18. Packing Group: (if applicable) III

19. Quantity Released: (Include Measurement Units) 35000 Liquid - Pound

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: - 103-Basic Material

How Failed: - 309-Punctured

Causes of Failure: - Derailment

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

Identification Markings: 111AW

(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: 188100 Liquid - Pound
Amount in Package: 177000 Liquid - Pound
Number in Shipment: 1
Number Failed: 1

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

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

Manufacturer: GAT098
Serial Number: SRIX80097
Material of Construction: (if Tank Car, CTMV, Portable Tank, or Cylinder)
Design Pressure: 100 (if Tank Car, CTMV, Portable Tank)
Shell Thickness: 0.437 INCH (if Tank Car, CTMV, Portable Tank)
Head Thickness: 0.437 INCH (if Tank Car, CTMV)
Service Pressure: (if Cylinder)
If valve or device failed:
Type:
Model:
Manufacturer:

Manufacture Date: 06/01/1973
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: | 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 | None |
| Police Report #: | True | None |
| In-house cleanup: | True | |
| Other Cleanup: | False | |

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:	\$ 6,800.00
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(See damage definitions in the instructions)

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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?

True

If yes, provide the following information:

Total number of general public evacuated:	80
Total number of employees evacuated:	0
Total evacuated:	80
Duration of the evacuation:	11

36. Was a major transportation artery or facility closed?

True

If yes, how many? 11

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

True

If yes, provide the following information:

Estimated speed (mph):	49
Weather conditions:	Clear, 35 F
Vehicle overturned?	True
Vehicle left roadway/track?	True

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)

- | | |
|--|--|
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Describe:

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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 additional comments.

PART VIII – CONTACT INFORMATION

Contact's Name:	Richard McMahon
Contact's Title:	Manager Hazardous Materials Risk Management
Business Name and Address:	BNSF Railway Company 4200 Deen Road FORT WORTH TX 76106
E-mail Address:	rich.mcmahon@bnsf.com
Telephone Number:	817-740-7355
Fax Number:	817-740-7250
Hazmat Registration Number:	051909004014RT
Date:	
Preparer is:	Carrier

06/01/1973