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-2009050454
2. This is to report: A

PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident:
05/22/2009

4. Time of Incident (use 24-hour time):
06:58

5. Enter National Response Center Report Number (if applicable):
906312

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

7. Location of Incident:
City: DURHAM
County: Durham
State: NC
Zip Code: (if known): 27703
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: Norfolk Southern Railway Company
Street: 110 Franklin Road S.E.
City: ROANOKE
State: VA
Zip Code: 24042-0013
Federal DOT Id Number: 555
Hazmat Registration Number: 060603450002LN

11. Shipper/Offeror:
Name: Georgia Gulf
Street: 26100 Highway 405
City: PLAQUEMINE
State: LA
Zip Code: 70765
Waybill/Shipping Paper: UP232933
Hazmat Registration Number:

12. Origin (if different from shipper address)
Street: 26100 Highway 405
City: PLAQUEMINE
State: LA
Zip Code: 70765

13. Destination:
Street: 2000 East Pettigrew Street
City: DURHAM
State: NC
Zip Code: 27703

14. Proper Shipping Name of Hazardous Material: SODIUM HYDROXIDE, SOLUTION

15. Technical/Trade Name:

16. Hazardous Class/Division: Corrosive Material

17. Identification Number: (E.g. UN2764, NA 2020) UN1824

18. Packing Group: (if applicable) II

19. Quantity Released: (Include Measurement Units) 6200 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: - 150-Tank Shell
How Failed: - 304-Cracked
Causes of Failure: - Stub Sill Separation from Tank (Tank Cars)

26a. Provide the packaging identification markings, if available.
Identification Markings: 111A
(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:	16100 Liquid - Gallon	Package Capacity:
Amount in Package:	15581 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:	ACF200	Manufacture Date:
Serial Number:	GAPX 9045	Last Test Date:
Material of Construction:	(if Tank Car, CTMV, Portable Tank, or Cylinder)	
Design Pressure:	100 (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:

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

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:
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:	$ 10,000.00
Carrier Damage:	$ 2,000.00
Property Damage:	$ 0.00
Response Cost:	$ 15,000.00
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:	
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? True

If yes, provide the following information:

Total number of general public evacuated:	2
Total number of employees evacuated:	0
Total evacuated:	2
Duration of the evacuation:	6

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

If yes, how many? 8

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

If yes, provide the following information:

Estimated speed (mph):	8
Weather conditions:	Cloudy
Vehicle overturned?	False
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:

GAPX 9045 was involved in an overspeed coupling incident resulting in damage to the tank shell which allowed approximately 6,200 gallons of material to escape. The site was isolated by local emergency responders as a precaution. Environmental contractor, Hepaco, Inc., responded to handle the product transfer, recovery and site remediation.

The remaining material was transferred to another railcar for further handling. The material released was contained, recovered and properly disposed of. The remaining impacted soil was removed or treated and neutralized on site.

Approximately 720 gallons of material entered an un-named stormwater receptor with minimal impact. The receptor was cleaned and the material properly disposed of.

One local residence with two occupants was evacuated as a precaution. One street was closed during the incident as a precaution and to facilitate emergency vehicle traffic.

The exact cause of the incident remains under investigation.

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:	Mike Stiner
Contact's Title:	Asst Mgr Hazmat
Business Name and Address:	Norfolk Southern Railway Company 1200 Peachtree Street, NE ATLANTA GA 30309
E-mail Address:	mestiner@nscorp.com
Telephone Number:	(404) 529-2242
Fax Number:	(404) 527-2630
Hazmat Registration Number:	060603450002LN
Date:	
Preparer is:	Carrier