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-2019020434
2. This is to report: A

PART II - GENERAL INCIDENT INFORMATION

3. Date of Incident:
01/20/2019

4. Time of Incident (use 24-hour time):
22:05

5. Enter National Response Center Report Number (if applicable):
1235666

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

7. Location of Incident:
City: OLIVER SPRINGS
County: ROANE
State: TN
Zip Code: (if known): 37840
Street Address/Mile Marker/Yard Name/Airport/Body of Water/River Mile:
900 Block, SR 62

8. Mode of Transportation: Highway

9. Transportation Phase: In Transit

10. Carrier/Reporter:
Name: GDS Express Inc
Street: 1270 Hilbish Ave
City: Akron
State: OH
Zip Code: 44312
Federal DOT Id Number:
Hazmat Registration Number:

11. Shipper/Offeror:
Name: STEEL DYNAMICS, INC.
Street: 8000 N COUNTY ROAD 225 E
City: PITTSBORO
State: IN
Zip Code: 46167-9094
Waybill/Shipping Paper:
Hazmat Registration Number:

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

13. Destination:
Street: 199 Truck Route
City: ROCKWOOD
State: TN
Zip Code: 37854

14. Proper Shipping Name of Hazardous Material: HAZARDOUS WASTE, SOLID, N.O.S.

15. Technical/Trade Name: Arc Furnace Dust

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) 1500 Solid - Pound

20. Was the material shipped as a hazardous waste? True
If yes, provide the EPA Manifest Number: OHR 000 159 226

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:
IBC

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: - 312-Torn Off or Damaged
Causes of Failure: -

26a. Provide the packaging identification markings, if available.
Identification Markings: NA3077
(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:	IBC	Packaging Type:
Material of Construction:	Metal	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:		Package Capacity:
Amount in Package:	43040 Solid - Pound	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:
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:	True	- Fire:	False
- Explosion:	False	- Material Entered Waterway/Storm Sewer:	True
- 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 #:	False
Police Report #:	False
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:	$ 0.00
Remediation/Cleanup Cost:	$ 50,000.00

(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? 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? True

If yes, provide the following information:

Estimated speed (mph):	45
Weather conditions:	Clear
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:

On January 21, 2019, at 0038 EST, Chuck Rought of GDS Express Inc contacted ERTS requesting response to an Arc Furnace Dust (UN3077 Environmentally Hazardous Class 9) release of unknown volume due to a multi-vehicle accident.
0105 EST, ERTS contacted Hepaco and requested response.
0120 EST, ERTS spoke with Fire Chief Justin Bailey who reported that the vehicle left the roadway and rolled onto its side releasing 'part' of the load of Arc Furnace Dust to soil and also to a small running stream in an area known to be a Wetland. The Fire Department deployed boom across the stream/creek.
At 0145 EST, ERTS contacted NRC and spoke with MS Rawls, who provided report number 1235666.
At 0230 ET, contractors arrived onsite and were unable to confirm at this time the amount released as power lines were down.
0320 EST,The contractor identified diesel fuel, hydraulic oil, and motor oil also released due to the accident.
1742 ET, Contractor indicated that the tarp started to cave in and approximately 400-pounds of product was released to the water. Contractor estimates approximately 1500-pounds of product in total released.
2200 ET contractor loaded the last of the excavated waste to the roll-off box.
2246 ET Sediment and water samples were pulled to be run for cadmium and lead and contractors departed site.
On December 22, 2019, the TN DEC stated they were satisfied with the work done.
Contractors returned to the site on January 28, 2019, and removed all impacted boom for disposal.
Analytics for water came back below the required limit and no further action was requested.

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:

PART VIII – CONTACT INFORMATION

Contact's Name:	Alexis Gregory
Contact's Title:	Project Assistant
Business Name and Address:	EMERGENCY RESPONSE AND TRAININGSOLUTIONS 6001 COCHRAN RD STE 300 SOLON OH 44139-3302
E-mail Address:	agregory@ertsonline.com
Telephone Number:	(440)349-2700
Fax Number:	
Hazmat Registration Number:	
Date:	02/19/2019
Preparer is:	Other - Agent for carrier