



**NEW AUGUSTA DERAILMENT
SOIL/WATER/DEBRIS MANAGEMENT PLAN
February 2014**

Purpose: Management of waste generated during the following: 1) impacted soil, liquids, and debris generated during emergency response / remediation activities, 2) Recovery of impacted surface water collected during emergency response / remediation activities, 3) Collection, management, and disposal of impacted spill response materials (i.e. absorbents, booms, etc.) generated during emergency response / remediation activities, 4) disposal of impacted tank car jacket and insulation generated during generated during salvage operations, 5) decontamination fluids generated during emergency response / remediation activities, and 6) removal of non-impacted woody vegetation and other site debris.

CN Responsibilities: Properly profile all waste streams for off-site disposal at approved facilities; contract transportation company(ies); and coordinate loading of any waste into trucks, roll-off containers, frac tanks or other approved vessels. CN will provide record of quantities disposed for each waste stream; conduct weekly inspections of contained waste stockpiles (if necessary); and record retention of the waste from point of generation to disposal (cradle to grave).

Safety: Site personnel will review and adhere to health and safety procedures while in the exclusion zone.

Breathing zones will be monitored through Air Monitoring/Sampling Work Plan during the activities performed.

Security: Site personnel will sign in and out at entry check point.

Wastestream #1 – Crude Oil – Impacted Derailment Waste:

- A CN freight train derailed on 1/31/14 and resulted in a release of crude oil.
 - A waste profile was generated for impacted soils, rail car jackets and insulation based on MSDS and generator knowledge. The subject waste was classified as non-hazardous. *** Waste profile status is pending MDEQ approval.
 - CN personnel are designated agents to sign manifest(s).
 - Generator: Illinois Central Railroad
 - Description: Soil, rail car jackets and insulation impacted with crude oil.
 - Copies of manifests and weight tickets for the subject waste will be collected by CN on-site Environment Department representatives or their designated contractor. These documents will be retained for reporting purposes.
 - The subject waste will be loaded directly into dump trucks/end dumps or roll-off containers and transported to the approved landfill facility for disposal.

- Subject waste will be shipped to Pine Belt Regional Landfill.

Pine Belt Regional Landfill

5274 Highway 29 Overt, Mississippi

Zip Code 39464

(601) 545-2121

Transportation:

- CN will coordinate disposal truck traffic. CN will arrange for escorts, if necessary, into and out of the work area.
- Trucks will transport subject waste to Pine Belt Regional Landfill which is an approved licensed facility.

Crew/Equipment:

- 1 personnel
- Purpose: Directing safety and logistics of removal of the trucks from the work area and documenting number of loads removed from the site.

Wastestream #2 – Soils Impacted with ESCAID 110 Fluid (Petroleum Distillate):

- A CN freight train derailed on 1/31/14 and resulted in a release of petroleum distillates.
 - A waste profile was generated for impacted soils and minor debris based on MSDS and generator knowledge. The subject waste was classified as non-hazardous. *** Waste profile status is pending MDEQ approval.
 - CN personnel are designated agents to sign manifest(s).
 - Generator: Illinois Central Railroad
 - Description: Soil and debris impacted with petroleum distillates.
 - Copies of manifests and weight tickets for the subject waste will be collected by CN on-site Environment Department representatives or their designated contractor. These documents will be retained for reporting purposes.
 - The subject waste will be loaded directly into dump trucks/end dumps or roll-off containers and transported to the approved landfill facility for disposal.
 - Subject waste will be shipped to Pine Belt Regional Landfill.

Pine Belt Regional Landfill

5274 Highway 29 Overt, Mississippi

Zip Code 39464

(601) 545-2121

Transportation:

- CN will coordinate disposal truck traffic. CN will arrange for escorts, as necessary, into and out of the work area.
- Trucks will transport subject waste to Pine Belt Regional Landfill which is an approved licensed facility.

Crew/Equipment:

- 1 personnel
- Purpose: Directing safety and logistics of removal of the trucks from the work area(s) and documenting number of loads removed from the site.

Wastestream #3 – Soils and Debris Impacted with Nitrogen Fertilizer Solution:

- A CN freight train derailed on 1/31/14 and resulted in a release of nitrogen fertilizer solution.
 - A waste profile was generated for site soils and minor debris based on MSDS and generator knowledge. The subject waste was classified as non-hazardous. *** Waste profile status is pending MDEQ approval.
 - CN personnel are designated agents to sign manifest(s).
 - Generator: Illinois Central Railroad
 - Description: Soil and debris impacted with nitrogen fertilizer solution.
 - Copies of manifests and weight tickets for the subject waste will be collected by CN on-site Environment Department representatives or their designated contractor. These documents will be retained for reporting purposes.
 - The subject waste will be loaded directly into dump trucks/end dumps or roll-off containers and transported to the approved landfill facility for disposal.
 - Subject waste will be shipped to Pine Belt Regional Landfill.

Pine Belt Regional Landfill

5274 Highway 29 Overt, Mississippi

Zip Code 39464

(601) 545-2121

Transportation:

- CN will coordinate disposal truck traffic. CN will arrange for escorts, as necessary, into and out of the work area.
- Trucks will transport subject waste to Pine Belt Regional Landfill which is an approved licensed facility.

Crew/Equipment:

- 1 personnel

- Purpose: Directing safety and logistics of removal of the trucks from the work area(s) and documenting number of loads removed from the site.

Wastestream #4 – Site Water Impacted with Liquid Fertilizer Solution:

- A CN freight train derailed on 1/31/14 and resulted in a release of liquid fertilizer solution.
 - A waste profile will be generated for site water impacted with liquid fertilizer solution. The subject waste will be classified as non-hazardous.
 - CN personnel are designated agents to sign manifest(s).
 - Generator: Illinois Central Railroad
 - Description: Site water impacted with liquid fertilizer solution.
 - Copies of manifests and/or weight tickets for the subject waste will be collected by CN on-site Environment Department representatives or their designated contractor. These documents will be retained for reporting purposes.
 - The subject waste will be maintained in on-site frac tanks. The waste will be loaded from the frac tanks to tanker trucks for transport to an approved facility for disposal or recycling. Any non-contaminated product recovered from the tank cars following the incident will be managed as product and therefore not be a waste.
 - CN is evaluating disposal options for the subject waste. Potential disposal / recycling facilities include, but are not limited to, Waste Management, Inc., Lake, MS.

Transportation:

- CN will coordinate disposal truck traffic. CN will arrange for escorts, as necessary, into and out of the work area.
- Trucks will transport subject waste to the selected facility with prior approval from US EPA.

Crew/Equipment:

- 1 personnel
- Purpose: Directing safety and logistics of removal of the trucks from the work area(s) and documenting number of loads removed from the site.

Wastestream #5 – Site Water Impacted with Petroleum Distillates:

- A CN freight train derailed on 1/31/14 and resulted in a release of petroleum distillates.
 - A waste profile will be generated for site water impacted with petroleum distillates. The subject waste will be classified as non-hazardous.
 - CN personnel are designated agents to sign manifest(s).
 - Generator: Illinois Central Railroad
 - Description: Site water impacted with petroleum distillates.

- Copies of manifests and/or weight tickets for the subject waste will be collected by CN on-site Environment Department representatives or their designated contractor. These documents will be retained for reporting purposes.
- The subject waste will be maintained in on-site frac tanks. The waste will be loaded from the frac tanks to tanker trucks for transport to an approved facility for disposal or recycling. Any non-contaminated product recovered from the tank cars following the incident will be managed as product and therefore not be a waste.

CN is evaluating options for disposal of the subject waste. Potential disposal / recycling facilities include, but are not limited to, Liquid Environmental, Mobile, AL; and Clean Harbors, Baton Rouge, LA.

Transportation:

- CN will coordinate disposal truck traffic. CN will arrange for escorts, as necessary, into and out of the work area.
- Trucks will transport subject waste to the selected facility with prior approval from US EPA.

Crew/Equipment:

- 1 personnel
- Purpose: Directing safety and logistics of removal of the trucks from the work area(s) and documenting number of loads removed from the site.

Wastestream #6 – Non impacted Woody Vegetation:

- CN identified derailment on 1/31/14 that released crude oil, liquid fertilizer, methanol, and petroleum distillates. In order to access impacted material, non impacted woody vegetation was removed.
 - The subject waste will be profiled as construction/demolition debris (non-hazardous).
 - CN personnel are designated agents to sign manifest(s).
 - Generator: Illinois Central Railroad
 - Description: C&D
 - Characterization: C&D
 - Weigh tickets for the subject waste will be collected by CN onsite Environment Dept. representatives and maintained for reporting purposes.
 - Upon approval, non-impacted woody vegetation will be shipped to Perry County C&D Landfill, Richton, MS.
 - Non-impacted woody vegetation has been stockpiled and will likely be direct loaded into end dumps.

Perry County Class I Rubbish Site

42 Landfill Road New Augusta, MS 39462

Transportation

- CN to coordinate removal of non-impacted woody vegetation with end dumps. CN will arrange for escorts. End dumps secured for the task will only haul non-impacted material.
- Non impacted woody vegetation will be transported to Perry County Regional C&D

Crew/Equipment

- 1 personnel
- Purpose: Directing safety and logistics of brining in end dumps truck to load non impacted woody vegetation. Documenting number truck loads removed from the site.

Approved by Unified Command

Responsible Party (RP)

FOSC

SOSC