

**McDavid (Q60127) Train Derailment**

USEPA OSC Brian A. Richardson, USCG By Direction of OSC Russell

FDEP OER \_\_\_\_\_

CSXT  on behalf of PSK

**Situation Report – 02-18-2014 1430 EST through 02-19-2014 1430 EST**

Sitreps will be submitted daily. Analytical and monitoring data on the Sitreps will represent data from 48 hours prior. Questions pertaining to the data can be submitted via email to the corresponding sender representing the site.

USEPA OSC/Emergency Response Lead transferred to FDEP.

**Project Health & Safety (2/19/14)**

H&S safety briefings conducted at shift changes (0630). Waste to begin load outs at 0500. Additional briefings were completed during transfer operations, pre-excavation activities, and surface water sampling activities to identify specific roles, responsibilities, hazards, and appropriate control measures.

Heat stress and mosquito control will be of concern over the next few days. Staff will be reminded to apply sunscreen, stay hydrated, and apply insect repellent as needed.

Traffic in immediate work area to increase with current site activities (offloading wood, moving excavated materials, liquid waste, backfill trucks). Logistic plan discussed with staff prior to start of work. Spotters to be located at critical "bottle neck" areas.

Eastern Diamondback Rattlesnake (approx. 6' in length) observed on 2/17/2014 on gravel entrance road to west side. Snake retreated beneath box car. Response team made aware of snake presence and briefed on avoiding area and biological hazards. Surface water sampling crews to don snake chaps during sampling activities in wooded areas.

**Weather (2/19/2014)**

Areas of fog in the morning, then becoming mostly cloudy with a 20 percent chance of a shower in the afternoon. Morning low 53 to 57. High 71 to 76. Southwest winds at 10-15 mph. Rainfall amounts less than 0.10 inches between 12 pm and midnight.

**Weather Forecast (2/20/2014)**

Morning fog then becoming mostly cloudy and windy, with a 50 percent chance of showers and thunderstorms developing by the evening, and continuing overnight. Morning low 51 to 55. High 72 to 77. South winds at 10-20 mph with higher gusts. Rainfall amounts of 0.10 to 0.25 inches between 6 pm and midnight.

**Regulatory Oversight**

FDEP Contact

Bruce McNutt

Office of Emergency Response

850-595-8300

USEPA

Chris Russell

OSC – Emergency Response and Removal Branch

850-274-1575

**Proper Upkeep/Facility Compliance**

- Maintained facility and site-wide speed limit (5mph)
- Maintained parking plan
- Maintained “No Smoking” policy on West Fraser Sawmill property
- Maintained and emphasize general housekeeping policies
- Cotton Lake Road towards Cotton Lake continues to be under water

**Environmental Activities Completed 2/19/2014**

- Continued to provide on-site H&S management and Incident Command Support
- Completed wood removal from box car
- Began removing swamp mats from east side

Source Area Removal & Restoration

- Continued excavation activities on east side
- Continued creek restoration activities on west side
- Continued creek restoration activities on east side
- Water diversion of creek flow around source area (ongoing)
- Continued excavation area dewatering on east side
- Continued vac removal of holding pond liquid for storage in frac tanks
- Continued to monitor permeable dam and water diversion system
- Removed middle dam on east side

Sampling and Monitoring Activities

- Performed surface water monitoring and ecological monitoring
- Conducted water quality monitoring at a total of 24 monitoring stations. Water quality parameters are monitored at the surface and lake bottom at Cotton Lake and Escambia River stations
  - Water quality parameters include temperature, pH, dissolved oxygen, specific conductivity

- Analytical parameters for surface water samples are pH, specific conductivity, orthophosphate (field filtered), total phosphorus, sulfate, calcium, and sodium
- Sampling frequency continues to be daily with a next day turn-around time
- Collected four liquid samples for mass balance evaluation

#### Road Maintenance

- Street sweeper providing general cleaning for roads on lumber facility internal roads and Cotton Lake Road/Route 29 crossroad twice per day (ongoing)
- Water truck to be utilized for dust control (as needed)

#### Waste Summary

- Continue transporting liquid off-site
- Continue direct-loading and transporting sediment off-site

<b>Liquid Waste</b>	<b>Volume Generated (gallons)</b>	<b>Shipped Off-Site (gallons)</b>
Daily (2/19/14)	59,599	42,577
Total to Date	403,905	294,198

<b>Sediment Waste</b>	<b>Volume Direct-Loaded and Shipped Off-Site (tons)</b>
Daily (2/19/14)	<b>483.72</b>
Total to Date	<b>728.52</b>

- Waste Currently On-Site:
  - 1 Poly tank containing approximately 1089 gallons of tank car contents (sale pending)
  - PPE and straw bales – 3 roll off boxes
  - Municipal waste/trash – 1 roll off box
  - Rail ties – 1 roll off box
  - Debris/board – 1 roll off box
  - Decon liquid – 1,470 gallons combined into Tank F1 for neutralization
- Waste Transported Off-Site:
  - Continued transport of liquids offsite for disposal
  - Pre-loaded tanker trucks with excavation water for transport on 2/20/2014
  - 1 roll off (5.66 tons) of impacted rail ties off-site for disposal (11.52 tons to date)

#### Environmental Mitigation and Restoration

- Surveying of site features, derailment site, creek cross section (as needed)

Mass Balance Evaluation

- Initial mass balance estimates and calculations provided to partner agencies

<b>Liquid</b>			
<b>Date</b>	<b>Initial Elemental Phosphorus Mass Released at Site (kilograms)</b>	<b>Recovered/Disposed Surface Water (gallons)</b>	<b>Mass Dissolved Phosphorus (kilograms)</b>
2/17/2014	62,137	155,464	2934.99
<b>Sediment</b>			
<b>Date</b>	<b>Initial Elemental Phosphorus Mass Released at Site (kilograms)</b>	<b>Recovered Source Material (kilograms)</b>	<b>Mass Dissolved Phosphorus (kilograms)</b>
N/A	N/A	N/A	N/A

Site Visitors

- FDEP on-site 2/19/2014
- Russel Schwartz/West Fraser on-site 2/19/2014

**Environmental Activities Planned for 2/20/2014**

- Deliverable submitted for surface water quality monitoring results (ongoing)
- Surveying of site features, derailment site, creek cross section (as needed)
- Water diversion operation around source area (as needed)
- Continue creek restoration on east and west side of bridge
- Cotton Lake Road flooding road repairs (contingent upon water depth)

**Staff and Resources on Site**CSXT

Engineering Staff: 1

USCG

Gulf Strike Team: 2

RJ Corman

Railcar Recovery Staff: 10

Railcar Recovery Resources: 1 smooth drum roller, 1 motor grader, 2 trucks/trailers, 5 P/U trucks, 1 car, 3 wheel loaders, 5 trackhoes, 1 dozer, 1 ditch witch, 1 bobcat

ARCADIS

Environmental Staff: 9

EnviroScience

Ecological Staff: 9

River Reach Staff: 3

Ecological Resources: 4 P/U trucks, 3 YSI multiprobes, 4 Long Term YSI 600 Monitors, 1 Ponar sampler, 1 Van Doren sampler, 1 Trimble GPS, 2 Turbidity meters, 1 RR Box Truck, 3 inch water pump, 1 skid

steer, 1 laser level, Shallow Water Dive Package, Boat Rental – 24' Oquawka Boat, Dry Suits, Outland Underwater Video Camera

#### SWS

Response Staff: 12

Response Resources: 8 P/U trucks, 1 4-gas meter, 1 street sweeper, 1 water decon trailer, 3 utility vehicles, 1 dozer, 1 roll-off, 1 water meter, 2 containment berms, 5 poly tanks

#### USES

Response Staff: 8

Response Resources: 5 P/U trucks, 1 vac trucks, 2 vac tankers, 1 roll off truck, 2 equipment trailers, 2 utility vehicles, 1 response trailer, 1 water truck, 6 frac tanks, 5 water-tight roll off boxes, 1 generator, 5 light plants (United), 1 light plant (Volvo), 2 6" diesel pumps, 1000' lay flat hose, 200' hard suction hose, 1 portable scale

#### Hulls

Response Staff: 7

Response Resources: 3 P/U trucks, 1 stake body truck, 1 lull, 185 cfm air compressor, 8 carbon frac tanks, 1 manlift, 1 stainless steel frac tank, 2 poly acid tanks with containment, stainless steel/poly diaphragm pump, 1 light plant, 1 portable generator, 1 emergency response trailer, 2 vac tankers, 1 poly tote/decon eyewash meter, fuel for equipment

#### CenterState

Response Staff: 9

**Total Staff Onsite: 70**

#### Attachments

1. McDavid Water Quality Data (to date)
2. McDavid Water Quality Data Figure 02/18/2014
3. Long Term Water Quality Monitoring and Sampling Plan 2/19/2014