

MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION
OIL & HAZARDOUS MATERIALS REPORT

Spill Number: P-146-2022

Report Status: Final Report

MCD Town: SHAPLEIGH

Local Name: SHAPLEIGH

Primary Responder: STEPHEN L FLANNERY

Primary Product: DIESEL {29} - 30 gals. ESTIMATE

Subject/Spiller: MAINLY BARGE - -

I. EVENT

Spill Info

Type Oil Incident {O}
Source Water Transportation - Other {OT}
Cause Accident - Other {14}

Reporter Type/Detection Method

Type Not Recorded
Method Not Recorded

Reported Date/Time

3/21/2022 8:00:00AM

Reported Within 2 Hours

Circumstances were reported within 2 Hours

Subject/Spiller (Potential Responsible Party)

Contact --MAINLY BARGE
84 WARDENS WAY
SHAPLEIGH ME 04076 USA
207-280-0438

Comment

Reporter

Contact --COLTON PROPERTY MAINTENANCE & EXCAVATION

SANFORD ME 04073 USA
207-324-1311

Comment

Other Contact

Contact SEAN & WILLIAM DUMONT--
84 WARDENS WAY
SHAPLEIGH ME USA

Comment PROPERTY OWNERS

Primary Responder and Other Employees

DAVID D ADAMS
STEPHEN L FLANNERY (Primary Responder)
MAXWELL A SMITH

II. SITE

Location

Location Type Transportation - Marine {MR}
Name MAINLY BARGE
Street Address 84 WARDENS WAY
MCD Town SHAPLEIGH
Local Name SHAPLEIGH
State/Province

Spill Point

UTM North
UTM East

Wells and Media Affected

Tanks Involved

Wells Affected 0 Wells Impacted / 0 Wells At Risk None
Media Affected Inland Surface Water{I}
Land{L}

III. CLEANUP**Products Found/Amount Spilled**

DIESEL {29}/ - 30 gals. ESTIMATE (Primary Product)
ANTI-FREEZE {83}/ UNKNOWN
Additional Product Description - RV-Anti-freeze (ethanol)
LUBE OIL {10}/ UNKNOWN
Additional Product Description - engine and equipment

Did a Responder visits the Site?

Y

Material Recovered

Mixed Liquid Media {MM} - 200 gals. ESTIMATE
Other Material {OM} - 200 lbs. ESTIMATE

Recovery/Treatment Methods

Pumps {B}
Sorbents {C}
Treatment in Place {I}
Remove {R}

Disposal Method

Not Recorded

IV. NARRATIVE

The Department was notified of a sunken transport barge on Mousam Lake at the end of Wardens Way in Shapleigh. Upon arrival, we observed no release from the vessel, but an inspection of the vessel was difficult due to ice out conditions and its location. The Shapleigh Fire Dept. and the State of Maine's Wardens Service were on-site and offered assistance. Arrangements were being made by Mainely Barge to salvage the vessel by pulling it ashore. Shortly after our arrival, fluids were discharging on the starboard side of the vessel but were contained by the ice. Sorbent boom was deployed to collect the fluids consisting of off-road diesel fuel (dyed red), RV-Antifreeze (ethanol-dyed red) and various other hydraulic and lube oils (mostly clear) used in the operation of the barge. An estimate of 50 gallons of combined fluids were released from the vessel, with the highest volumes consisting of diesel fuel and RV-Antifreeze.

First, a large excavator attempted to recover the vessel, but was unsuccessful. Ultimately two large wreckers were required to pull the vessel ashore, so it could be repaired and refloated. During the operation, sorbent boom was positioned throughout the area with an estimate 50% recovery rate. Sorbents were left with Mainely Barges to be used during the pumping and repairing of the vessel. Once the vessel was pumped, it was determined that the ball valve on the cold water intake had frozen and allowed water to enter the vessel unabated.

The following day before our arrival, the Department was informed that oil had washed up on a beach adjacent to the incident off Hollon Way. Sorbents were utilized to collect free product, in addition to the removal of oiled materials consisting of pine needles, leaves and other plant material. Only a sheen was evident when we departed for the night. Oiled sorbents were also replaced around the barge, which at this time was floating and accessible from shore.

Due to other obligation, the site wasn't revisited until March 25, 2022. Oil sorbents were removed from the site for disposal, and only a slight sheen was observed adjacent to the vessel. Fluids from the engines, consisting of a mixture of engine oil and water, were pumped into 55 gallons drums for later disposal. The adjacent beach was also visited with only a slight sheen evident in a few places along the shore. The two separate locations were revisited weekly by Department staff until April 14, 2022. At this time, no oil sheen was observed in either location and the case was considered closed.

On April 24, 2022, I received a call from a property owner on Hollon Way indicating that they had encountered oiled materials on their beach while removing debris, consisting mostly of pine needles. I followed up on the complaint and encounter oiled debris at the water's edge. It appeared oiled pine needle and other debris were buried during the storm the night of the incident, and had resurfaced due to changing water levels and weather conditions. Oiled pine needles and debris were removed from the site for disposal. Disturbed sand in the area produced a sheen, but dissipated quickly. A cold water flush incorporating sorbent boom and wave action was used to liberate the oil adhering to the sand.

An Oleophilic Dye Test was used to delineate the extent of contamination. The highest concentrations were detected between 17 and 21 Hollon Way, which was consistent with what was observed on March 22, 2022. Extra emphasize was place on this area until the Oleophilic Dye Tests were non-detect. Before I left for the night, I checked the barge to see if there was anything still being released; nothing was observed. I returned the following day and continued my work further south down the beach, observing similar conditions but not to the same extent. The same cleanup methods were used until only an occasional sheen was observed, and Oleophilic Dye Tests were non-detect.

On May 6, 2022, no oil was observed in the area and the areas in question on the beach were now under water with the elevated water level. The drums of mixed waste are still on-site and will be disposed of once Mainely Barge has completed their repairs. Sorbents were left with Mainely Barge to be made available to the Town of Shapleigh and the Mousam Lake Association in the event of another petroleum discharge on the lake. To alleviate a similar situation, Mainely Barge did mention that they were considering taking the barge out of the water during the winter months, by pulling it up the ramp at its present location.

No Further Division of Response Service Action Expected

V. ATTACHMENTS

<u>Attachment Type</u>	<u>Description</u>	<u>File Name</u>
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