

From: Joseph Guzelak <jguzelak@ENPRO.COM>
Sent: Thursday, February 05, 2015 5:12 PM
To: 'dmorin@luhs18.org'
Cc: Moran, Matt
Subject: WMD616-2014 Hanley residence spill report
Attachments: spill report summary.pdf

Hi Folks,

Please find attached the spill summary report for the release of fuel oil at the Hanley residence.

Feel free to contact me with any questions.

Thank you,

Joe Guzelak

Joe Guzelak
Project Manager
ENPRO Services, Inc.
2 Flynn Ave., Burlington, VT 05401
1-800-966-1102 (Spill Line)
802-488-3905 (Office)
802-923-6115 (Cell)
802-488-3950 (Fax)
www.enpro.com



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02/04/15

Joanne Hanley
55 VT Rte 118 South
Belvidere Center, VT 05442

RE: Residential fuel oil spill: WMD616-2014

Dear Ms. Hanley:

On December 17, 2014 you contacted ENPRO Services, Inc. to respond to a heating oil release from an outside 275 gallon above ground storage tank (AST) at your residence. The following is a summary of observations, actions and sampling results related to clean up efforts.

Observations

ENPRO Services, Inc. was informed that the release occurred as a result of leakage from your fuel tank supply line. Your fuel tank had a wood frame around it with some insulation board. The frame helped retain some of the fuel oil released, but a portion of the release migrated outside of the framing and flowed along the northeast corner of the concrete slab the mobile home is positioned on and into the ground. A small amount of oil migrated under the house suspended on top of a pool of melt water from the roof, but was captured using oil only sorbent pads.

It was reported that an undetermined volume of fuel oil was released, but based on observations and field screening results, it is estimated at only a couple of gallons.

Petroleum Contaminated Soil Removal & Disposal

- On December 17th ENPRO personnel responded to assess the situation and determine actions needed. At the time, the crew had the equipment to purge, cut, and clean the 275g AST. So to prevent any further leakage, the AST was removed. A replacement AST was installed by Jack F. Corse Fuels. Two test pits were hand dug for soil screening with a PID, #1 where the staining on the concrete pad indicated where the fuel oil ran off, and #2 downgradient approximately 4 ft. from point #1. Both pits were dug to approximately 1 ft. below grade (bgs). Test pit #1 had a peak reading of 228 ppm and pit #2 was non-detect.
- On December 19th ENPRO personnel returned to perform excavation of the contaminated soils. Field screening was performed utilizing a MiniRae 2000 which was bump tested with 100 ppm Isobutylene. The excavation was continually field screened and extended approximately 6 feet along the edge of the concrete slab and down to approximately 3 ft. bgs. Excavation of soils continued until field screening results were non-detectable. Approximately 2 cubic yards of soils were excavated. The soils were stockpiled on poly sheeting and backfilled with clean sand.

- December 22nd ENPRO personnel returned to load and transport excavated soils and the drum of tank bottom sludge for proper disposal to Enpro Services of Vermont, Inc. in Williston, VT.

Conclusions and Recommendations

Aside for impact to the immediate soils the closest observed sensitive receptors are the residential water supply well for your property, which is located approximately 15 feet away from the impact zone under the footprint of the mobile home and a wetland area approximately 100 ft. downgradient to the north and west of the site. Groundwater was not encountered and depth is unknown, so it is assumed neither of the observed receptors has been impacted. There does not appear to be any other sensitive receptors in the immediate vicinity and the nearest neighboring water well is at least 0.5 miles away.

It is assumed that the release has been captured. The horizontal and vertical extent of the impact zone has been effectively delineated by field screening, along with continued screening of soils during excavation.

ENPRO Services, Inc. recommends that no further action is warranted in regards to this release at this location. However, as can be seen in the last photo, the supply line is corroding and it is recommended that it be replaced.

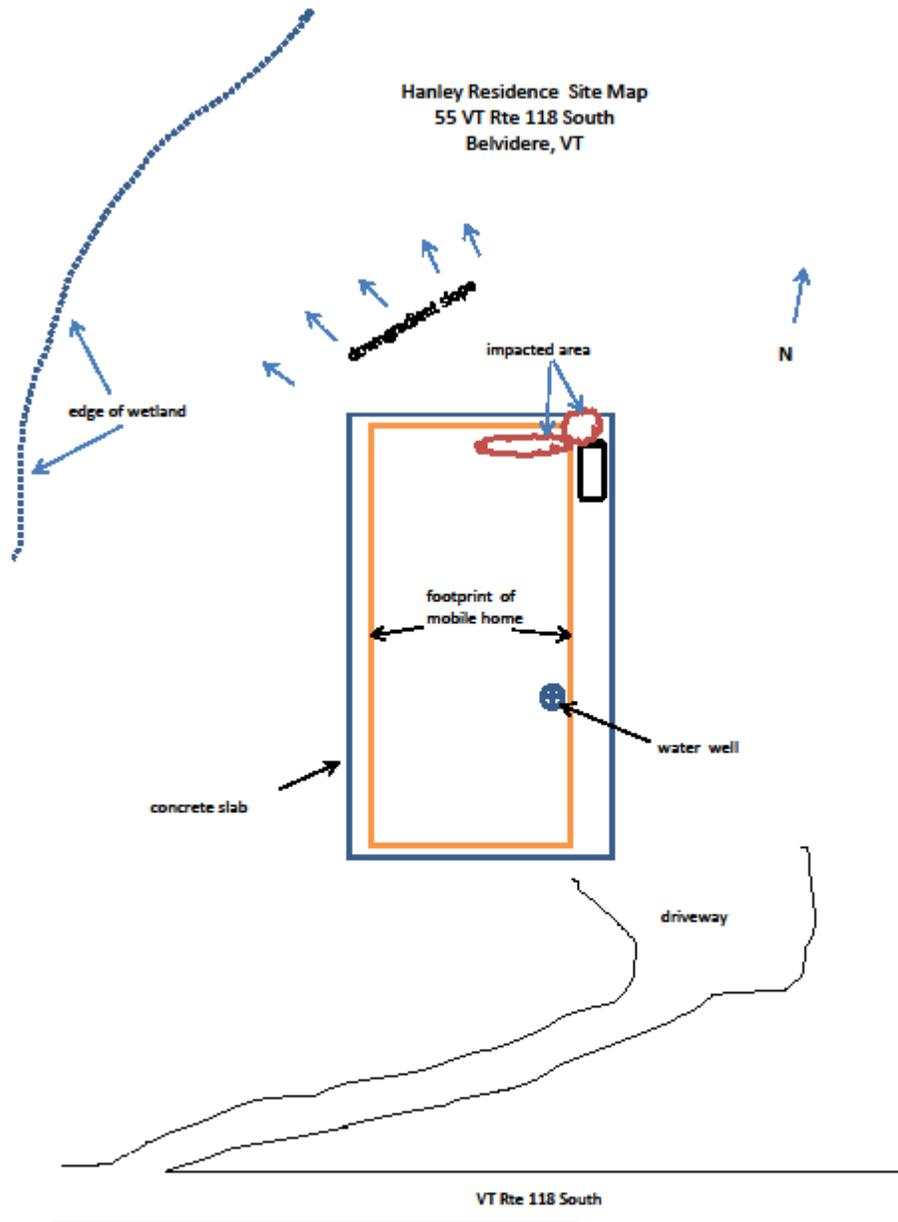
Please call me at 802.488.3900 if you have any questions or concerns regarding the enclosed information.

Sincerely,

ENPRO Services, Inc.

Joe Guzelak
Environmental Staff Scientist

cc. Mr. Matt Moran – VT DEC





275 gallon AST with wooden framing



275 gallon AST removed and access to release under mobile home



Fuel on pool of water under mobile home





Corroding copper supply line running under mobile home