

Dominion Resources Services, Inc.
5000 Dominion Boulevard, Glen Allen, VA 23060
.lom.com



Overnight Mail
Return Receipt Requested

December 20, 2016

Mr. Alan Lacy
PREP Coordinator
Department of Environmental Quality
Northern Regional Office
13901 Crown Court
Woodbridge, Virginia 22193

RE: Five-Day Follow-up Letter

Dear Mr. Lacy:

The following information is in follow-up to verbal notifications made to your office on Thursday, December 15th concerning a suspected fuel oil release from an underground storage tank (UST) at our North Anna Power Station, VPDES permit No. VA0052451.

- 1. A description of the nature and location of the incident:** An unsuccessful five year pressure line test was performed on the station's emergency diesel generator (EDG) 2H day tank redundant fuel oil feed line during the week of December 12, 2016. Prior to this particular test, all of the previous pressure tests on the other EDG fill lines passed. The redundant 2H fuel oil feed line is fed by a 50,000 gallon Nuclear Regulatory Commission (NRC) regulated UST that supplies fuel oil to a 1,000 gallon aboveground storage tank (AST) through a 1.5-inch line installed underground. The AST supplies fuel oil to the 2H EDG. During normal station operation, this line is typically not pressurized. To date, the volume of fuel oil released from the line and the extent of soil contamination is unknown. As part of an effort to determine the presence and extent of fuel oil in the subsurface, several investigational soil borings were installed to approximately three feet below ground surface starting on December 18, 2016. These borings were installed in the area of the underground line that connects the UST to the AST. On December 19, 2016, an odor of fuel oil was noticed in soil just west of the fuel oil pump house from approximately one to two feet below ground surface. Industrial Marine Services (IMS) – a Hepaco Company, was immediately contacted to assess the situation during the afternoon of December 19, 2016. IMS is scheduled to start excavation activities on December 20, 2016. All soils contaminated with fuel oil will be excavated from the area and disposed of properly by IMS. When excavation activities cease, soil samples will be collected from the floor and side walls of the excavation to confirm cleanup is complete. Once the limits of soil contamination are confirmed, the excavation area will be restored with clean fill.

IE7D
NRR

Mr. Alan Lacy
December 20, 2016
Page 2

2. **The cause of the incident:** A fuel oil line from the UST to the AST failed a pressure test performed on December 14, 2016. The location of the leak and the extent of soil contamination are under investigation.
3. **The date on which the incident occurred:** December 14, 2016.
4. **The volume of fuel released:** The volume of fuel oil released into the ground is unknown at this time. Investigation efforts are underway.
5. **The incident did not result in a discharge to surface waters:** Nearby stormwater outfalls, the discharge canal, and station property adjacent to Lake Anna were inspected on December 15, 2016. No discharge of fuel oil to surface waters was observed. In addition, nearby groundwater wells were inspected for visual and olfactory signs of fuel oil contamination. No signs of fuel oil were observed.
6. **Any steps planned or taken to reduce, eliminate and prevent a reoccurrence of the present incident:** During soil excavation activities, the underground line will be inspected for leaks and repaired/replaced as necessary. A subsequent pressure line test will be performed to verify the structural integrity of the fuel oil line.

Dominion will continue to update the DEQ as new information arrives. A 20-day follow-up letter will be prepared in response to this incident. Please contact Ian Whitlock of my staff at (804) 273-2991 or by email at ian.a.whitlock@dom.com or Randy Markey at (540) 894-2856 or randy.markey@dom.com should you have any questions or require additional information about this transmittal.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,



Paula Hamel
Director, Generation Environmental Services

Mr. Alan Lacy
December 20, 2016
Page 2

- Cc: Ms. Susan Mackert
Department of Environmental Quality
Northern Regional Office
13901 Crown Court
Woodbridge, Virginia 22193
- Cc: United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555
- Cc: United States Nuclear Regulatory Commission
Region II
Marquis One Tower
245 Peachtree Center Avenue, NE, Suite 1200
Atlanta, Georgia 30303-1257
- Cc: Mr. J. E. Reasor, Jr.
Old Dominion Electric Cooperative
Innsbrook Corporate Center
4201 Dominion Blvd.
Suite 300
Glen Allen, Virginia 23060
- Cc: NRC Senior Resident Inspector
North Anna Power Station