



NorthStar Nuclear Decommissioning Co., LLC
Vermont Yankee Nuclear Power Station
320 Governor Hunt Rd.
Vernon, VT 05354
802-451-5354

Corey R. Daniels
ISFSI Senior Manager

10 CFR 20, Appendix G

BVY 22-021

August 16, 2022

Mr. David C. Lew
Regional Administrator, Region 1
U.S. Nuclear Regulatory Commission
2100 Renaissance Blvd, Suite 100
King of Prussia, PA 19406-2713

SUBJECT: Report of Investigation Pursuant to 10 CFR 20, Appendix G
Vermont Yankee Nuclear Power Station
Docket No. 50-271
License No. DPR-28

Dear Sir or Madam:

This letter documents the results of an investigation performed with respect to the transportation of (1) rail flat car which exceeded the 45 day time limit for notification of receipt from the disposal facility as specified in 10 CFR Part 20, Appendix G, as exempted. The investigation, which was completed on August 8, 2022, determined that the shipment was traced on a daily basis by the various carriers such as the New England Central Railroad, CSX, Union Pacific (UP), and Texas & New Mexico Railway (TXN), the disposal facility of Waste Control Specialist and the Vermont Yankee waste operations personnel.

10 CFR 20, Appendix G, "Requirements for Transfers of Low-Level Radioactive Waste Intended for Disposal at Licensed Land Disposal Facilities and Manifests," Section III.A(9) states for any shipments or any part of a shipment for which acknowledgment of receipt has not been received within the times set forth in this appendix, conduct an investigation in accordance with Section III.E of this appendix.

Section III.E states that any shipment or part of shipment for which acknowledgement is not received within the times set forth in this section must:

1. Be investigated by the shipper if the shipper has not received notification or receipt within 20 days after transfer (45 days in accordance with the current exemption for Vermont Yankee per ML20017A068); and
2. Be traced and reported. The investigation shall include tracing the shipment and filing a report with the nearest Commission Regional Office listed in Appendix D to this part. Each licensee who conducts a trace investigation shall file a written report with the appropriate NRC Regional Office within 2 weeks of completion of the investigation.

Investigation

On June 17, 2022, one rail flatcar carrying a custom metal box containing grouted irradiated reactor vessel segments departed from the NorthStar Vermont Yankee site at 320 Governor Hunt Road in Vernon, Vermont to the Waste Control Specialists disposal facility in Andrews, Texas.

The rail car was released to the first railroad carrier (New England Central Railroad) on the date identified above. After release from the NorthStar Vermont Yankee site, the rail car was transported for 47 days before the shipment was received at the disposal facility.

NorthStar Vermont Yankee and Waste Control Specialists receive daily tracking reports from the railroad logistics contractor, I.C.E. Service Group, for all waste shipments transported by rail from the NorthStar Vermont Yankee site. The location of the subject shipment was verified and traced until receipt at the destination facility. NorthStar Vermont Yankee and Waste Control Specialists (WCS) tracked the progress of this shipment through the daily trace reports. At no time was the shipment lost or in an unknown location.

Below is the summary for the rail shipment that exceeded the time provided in 10 CFR 20, Appendix G (as exempted). The summary includes the shipment identification (Manifest) number, rail car identification (ID) number, shipment date, date of receipt at the waste disposal facility and the total number of days the shipment was in transit.

Manifest Number	Rail Car ID Number	Date Shipped	Date Received at WCS	Total Days In Transit
NSVY-2022-60	KRL50803	6/17/2022	8/3/2022	47

The subject transit time has been documented in Condition Report CR-2022-144; corrective actions, as appropriate, are being tracked in that Condition Report.

This letter contains no new regulatory commitments.

Should you have any questions concerning this letter, please contact Mr. Thomas B. Silko at (802) 451-5354, Ext 2506.

Sincerely,



CRD/tbs

cc: Commissioner
Vermont Department of Public Service
112 State Street – Drawer 20
Montpelier, Vermont 05602-2601