



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 24-005

January 30, 2024

Mr. Raymond K. Lorson
Regional Administrator, Region 1
U.S. Nuclear Regulatory Commission
475 Allendale Rd, Suite 102
King of Prussia, PA 19406

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 (10) rail cars 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 January 22, 2024, determined that the shipments were 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 (WCS) and the Vermont Yankee (VY) 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 VY 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 the dates specified below, 10 rail cars (mix of gondola and tanker cars) departed from the VY site at 320 Governor Hunt Road in Vernon, Vermont to the WCS disposal facility in Andrews, Texas.

The rail cars were released to the first railroad carrier (New England Central Railroad) on the dates identified below. After release from VY, the rail cars arrived at WCS but were not received until the dates specified. Each of these shipments exceeded the 45-day allotted time frame.

VY and WCS receive daily tracking reports from the railroad logistics contractor, I.C.E. Service Group, for all waste shipments transported by rail from the VY site. The location of the subject shipments was verified and traced until receipt at the destination facility. VY and WCS tracked the progress of these shipments through the daily trace reports. At no time were the shipments lost or in an unknown location.

Below is the summary for the rail shipments 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 arrival and 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 Arrived at WCS	Date Received by WCS	Total Days In Transit
NSVY-2023-168	ITFX625997	9/27/2023	10/18/2023	1/29/2024	124
NSVY-2023-172	ITFX8010	10/4/2023	10/19/2023	1/18/2024	106
NSVY-2023-173	SOXX526871	10/6/2023	10/23/2023	1/29/2024	115
NSVY-2023-206	SOXX526903	11/3/2023	11/20/2023	1/29/2024	87
NSVY-2023-207	ITFX625987	11/3/2023	11/24/2023	1/29/2024	87
NSVY-2023-211	SOXX526904	11/3/2023	11/24/2023	1/29/2024	87
NSVY-2023-212	SOXX526872	11/3/2023	11/24/2023	1/29/2024	87
NSVY-2023-213	SOXX526895	11/3/2023	11/25/2023	1/29/2024	87
NSVY-2023-214	SOXX526901	11/3/2023	11/25/2023	1/29/2024	87
NSVY-2023-230	GATX53874	12/6/2023	12/29/2023	1/23/2024	48

The subject transit time has been documented in Condition Report CR-2024-018; 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,

A handwritten signature in black ink, appearing to read 'T. Silko', written in a cursive style.

CRD/tbs

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