



# CONNECTICUT YANKEE ATOMIC POWER COMPANY

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REGION 1

HADDAM NECK PLANT  
362 INJUN HOLLOW ROAD • EAST HAMPTON, CT 06424-3099

2006 MAY 17 PM 2: 32

MAY 15 2006  
Docket No. 50-213  
CY-06-070

U. S. Nuclear Regulatory Commission  
Region 1  
475 Allendale Rd.  
King of Prussia, PA 19406

## Haddam Neck Plant 10 CFR 20, Appendix G Investigation

This letter documents the investigation performed regarding six (6) intermodal containers of radioactive waste contained on one (1) rail car which exceeded the time limit provided in 10 CFR 20, Appendix G. The investigation determined the shipments were being tracked on a daily basis and the location of the shipments were known to the carrier during the period the shipments exceeded the time frame set forth in 10 CFR 20 Appendix G.

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 (9) states a licensee shall for any shipments or any part of a shipment for which acknowledgement of receipt has not been received within the times set forth in this appendix, conduct an investigation in accordance with paragraph E of this appendix.

Paragraph E states any shipment or part of a 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 of receipt within 20 days after transfer; 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.

On October 14, 2004<sup>1</sup>, the NRC granted Connecticut Yankee Atomic Power Company (CYAPCO) an exemption from certain requirements of 10 CFR 20, Appendix G, Section

<sup>1</sup> T. B. Smith (NRC) to W. Norton (CYAPCO), "Haddam Neck Plant – Exemption from Certain Low-level Waste Shipment Tracking Requirements of 10 CFR Part 20, Appendix G, Section III.E", dated October 14, 2004.

III.E, for tracking shipments of low-level radioactive waste that are not acknowledged by the recipient within 20 days after transfer to the shipper. The exemption extends the receipt acknowledgement 20 day time period to 35 days before CYAPCO will have to investigate and report on the status of a low-level radioactive waste shipment.

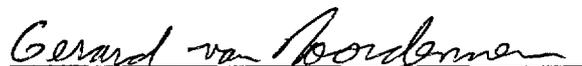
A total of six (6) intermodal containers were shipped on March 1, 2006 and were manifested to be sent to the EnergySolutions disposal facility. The intermodal containers were shipped to a rail spur and loaded onto one (1) rail car. The individual shipment numbers and the rail car number are listed on Table 1. CYAPCO receives daily tracking reports of all waste shipments shipped by rail for the Haddam Neck Plant site from the transportation vendor utilized for the shipments (MHF Logistical Solutions). The locations of the shipments are verified and the shipments are traced until their receipt. According to the daily tracking reports received from the carrier, the rail car carrying the intermodal containers experienced delays in Illinois which caused the shipment to exceed the 35 day limit. The rail car was received at the EnergySolutions facility in Utah on May 8, 2006 (see Table 1).

In accordance with site procedures, CYAPCO tracked the progress of the shipments to ensure compliance with the requirements of 10 CFR 20, Appendix G as modified by the approved exemption. When CYAPCO determined the shipments had exceeded the 35 day limit, the carrier, MHF Logistical Solutions, was contacted to verify the shipments were being tracked and their location was known during this time period. At no time were the shipments lost or in an unknown location. This issue was documented in Condition Report CR-06-0105.

Attached is a summary of the shipments (Table 1) which exceeded the time provided in 10 CFR 20 Appendix G as modified by the approved exemption. The summary includes the shipment identification numbers, shipment dates, and the dates of receipt at the EnergySolutions facility in Utah.

Should you have any questions regarding this submittal, please contact me at (860) 267-3938.

Sincerely,



Gerard P. van Noordennen  
Director of Nuclear Safety and Regulatory Affairs

5-15-06  
Date

Attachment: Table 1

cc: M. T. Miller, Chief, Decommissioning Branch, NRC Region I  
T.B. Smith, NRC Project Manager  
USNRC Document Control Desk  
E. L. Wilds, Jr., Director, Radiation Division, CT DEP

**Table 1**

Shipment Number	Date Shipped	Rail Car Number	Date Rec'd @ Energy Solutions	Total Days Prior to Receipt
2006-226	3/1/2006	MHFX 516250	5/8/2006	68
2006-227	3/1/2006	MHFX 516250	5/8/2006	68
2006-228	3/1/2006	MHFX 516250	5/8/2006	68
2006-229	3/1/2006	MHFX 516250	5/8/2006	68
2006-230	3/1/2006	MFHX 516250	5/8/2006	68
2006-231	3/1/2006	MFHX 516250	5/8/2006	68