



Northeast
Utilities System

Memo

February 11, 1997

SES-97-GN-025

D10751

Mr. James Grier
Supervising Sanitary Engineer
Water Management Bureau
Department of Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

Dear Mr. Grier:

Reference 1 Letter D01682 from S. E. Scace to J. Grier dated January 9, 1997.

Reference 2 Letter D10715 from S. E. Scace to J. Grier dated January 15, 1997.

Reference 3 Letter D10695 from S.E. Scace to J. Grier dated January 10, 1997.

Millstone Station Notification of Discharges

Northeast Nuclear Energy Company (NNECO) has previously discussed with you protocols for reporting the processing of certain wastewater containing trace amounts of hydrazine until no hydrazine above detection limits is observed (References 1 through 3). Pursuant to these understandings, NNECO hereby submits the following written notification of discharges occurring between January 11 and February 1, 1997. These discharges were discussed with you by phone on January 13 and February 3, 1997 and in your office on February 7, 1997.

Hydrazine Removal Prior to Discharge via DSN 001C-2

On the dates listed below, wastewaters containing small amounts of hydrazine were detected in one of the High Level Waste Drains Tanks (HLWDT) associated with DSN 001C-2. Consistent with the manner in which similar wastewater was previously handled (References 1 and 2), the wastewaters in the HLWDT were processed through the demineralizers and filters associated with DSN 001C-2 prior to discharge from the Waste Test Tanks. These wastewaters met all limits associated with DSN 001C-2. Further, no hydrazine above detectable limits (<5 ppb) using spectrophotometry was found. The initial concentrations detected, dates and volumes discharged are provided below:

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PDR ADOCK 05000336
S PDR

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<u>Initial Concentration</u>	<u>Date Discharged</u>	<u>Volume Discharged</u>
13 ppb	January 11, 1997	17,220 gallons
15 ppb	January 18, 1997	15960 gallons
206 ppb	January 25, 1997	18,900 gallons
729 ppb	February 1, 1997	16,590 gallons

Hydrazine Removal Prior to Discharge via DSN 001C-3

On the dates listed below, wastewater containing small amounts of hydrazine was detected in the Low Level Waste Drains Tank (LLWDT) associated with DSN 001C-3. This wastewater in the LLWDT was processed through filters associated with DSN 001C-3 and recirculated within the LLWDT to remove hydrazine to below detectable levels based on spectrophotometry (<5 ppb).

These wastewaters met all limits associated with DSN 001C-3. The initial hydrazine concentrations detected, dates and the volumes discharged are provided below:

<u>Initial Concentration</u>	<u>Date Discharged</u>	<u>Volume Discharged</u>
329 ppb	January 25, 1997	3440 gallons
329 ppb	February 1, 1997	3600 gallons
329 ppb	February 1, 1997	3200 gallons
329 ppb	February 1, 1997	3600 gallons

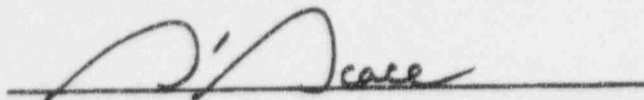
Discharge of Unit 2 Reactor Building Closed Cooling Water (RBCCW) Sump Wastewater

NNECO has previously discussed with you the discharge via DSN 001B-9 of certain wastewaters due to maintenance activities associated with the auxiliary heat exchangers at Unit 2 (Reference 3). These activities included high pressure washing of these systems using either demineralized or domestic water ("hydrolazing"). Due to maintenance activities, the normal pathway (DSN 001B-5) could not be used and, as discussed with you, these waste waters were directed to the RBCCW sump and discharged from 001B-9. Accordingly, on January 11, 1997 Millstone Station discharged 2744 gallons of wastewaters which originated from high pressure washing (hydrolazing) of the Unit 2 RBCCW heat exchangers was discharged via DSN 001B-9. Demineralized water was used. Consistent with our past approach for these types of activities, the titration analytical method was used. At the time of discharge, hydrazine was not detected (<350 ppb) using the titration method.

Should you have any questions, please call Mr. Paul Jacobson, Environmental Services - Nuclear at (860) 447-1791 Ext. 2335.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

A handwritten signature in dark ink, appearing to read "S.E. Scace", is written over a horizontal line.

S.E. Scace

Director - Nuclear Engineering Programs

cc: M. Harder
NRC