

Northeast
Nuclear Energy

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Millstone Nuclear Power Station
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The Northeast Utilities System

November 15, 1996

SES-96-GN-046

D10506

Mr. James Grier
Principal Sanitary Engineer
Bureau of Water Management
Permitting, Enforcement and Remediation Division
Department of Environmental Protection
79 Elm Street
Hartford, CT 06106

Dear Mr. Grier:

Millstone Nuclear Power Station
NPDES Permit CT 0003263
Information on Discharge Event via DSN 001C-8 and 001C-4

As requested, the following describes the discharge of Millstone Station Unit 3 ("Millstone") feedwater system wet lay-up drainage as discussed with you on Thursday, November 7, 1996.

By way of background, plant personnel were preparing to place the Unit 3 condensate and feedwater system in a dry lay-up configuration. To remove the last volume of wet lay-up water from the three sectional hotwells, portable pumps were used to transfer the contents of the A and B hotwells to the C hotwell. From the C hotwell, the wet lay-up drainage was to be discharged via DSN001C-8, as authorized under Millstone's NPDES Permit.

On November 6, 1996, shortly after pumping started, plant personnel found that water had flowed into a turbine building sump and overflowed onto the floor. It was discovered that a 1.5 inch drain line from the C hotwell had been left open, causing approximately 500 gallons to drain to the sump and adjoining trench (the "sump water"). However, there was no discharge to the environment; this water remained in the sump and trench.

Analyses performed on the sump water were as follows:

| | |
|-----------|----------------|
| Temp: | 68° F |
| pH | 9.39 |
| TSS | 18.4 ppm |
| Iron | 0.95 ppm |
| Hydrazine | 0.012 ppm |
| ETA | Non-detectable |

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Subsequently, on the morning of November 7, 1996, a small volume of water from the sump and trench was being transferred to the Makeup Waste Neutralization Tank (MWNT), which discharges to DSN 001C-4. Upon learning of this action, chemistry supervision stopped the transfer, pending environmental review.

After discussing this issue with you on Thursday, November 7, 1996 and, after reviewing with you the discharge descriptions in our August 8, 1991 Revised Form 2s and the station NPDES Permit issued December 14, 1992, it was agreed that feedwater lay-up water containing hydrazine could be directed to DSN 001C-8, or to the MWNT, if the ETA concentration was less than detectable. Accordingly, the station transferred the remaining sump contents to the MWNT on Friday, November 8, 1996. Discharge of the MWNT via DSN001C-4 occurred November 12, and 13, 1996. Analyses for this batch discharge are as follows:

| | |
|------------------|----------------|
| Discharge Volume | 50,700 gallons |
| pH | 7.0 |
| Hydrazine | 5.8 p.p.m. |
| TSS | 10.8 p.p.m. |

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY


S. E. Scace (M.H. Brothers for S.E. Scace)
Director of Nuclear Engineering Programs

cc: M. DiNioa, CT DEP
M. Harder, CT DEP
NRC