

July 27, 2004

LICENSEE: Dominion Nuclear Connecticut

FACILITY: Millstone Power Station, Units 2 and 3

SUBJECT: SUMMARY OF SITE AUDIT TO SUPPORT REVIEW OF LICENSE RENEWAL
APPLICATION FOR MILLSTONE POWER STATION, UNITS 2 AND 3

An environmental review team consisting of the U.S. Nuclear Regulatory Commission (NRC) staff and contractors from Los Alamos National Laboratory (LANL), Pacific Northwest National Laboratory (PNNL), and Information Systems Laboratories (ISL) participated in a site audit at Millstone Power Station, Units 2 and 3 (MPS) on May 19 and 20, 2004, to support the review of the MPS license renewal application. The team consisted of eight LANL, one PNNL, and two ISL contractors and nine NRC staff members. The primary goal of the site visit was to review documentation, gather information to ensure that environmental requirements of license renewal as codified in Title 10 of the *Code of Federal Regulations* Part 51 (10 CFR Part 51) are met, and to interface with officials in Federal, State, and local government permitting and resource agencies to obtain related information. Attachment 1 is the list of NRC, LANL, PNNL, ISL, and Dominion Nuclear Connecticut (DNC) representatives that participated in the audit at the site. Attachment 2 is a table of documents provided to the staff by DNC to assist the staff in its review of the MPS Environmental Report. These documents have been made publicly available, and can be found at the Agencywide Documents Access and Management System (ADAMS) the accession numbers are listed in Attachment 2. ADAMS is accessible at <http://www.nrc.gov/reading-rm/adams.html>, which provides access through the NRC's Public Electronic Reading Room (PERR) link. Persons who do not have access to ADAMS, or who encounter problems in accessing the documents located in ADAMS, should contact the NRC's PDR Reference staff at 1-800-397-4209, or 301-415-4737, or by e-mail at pdrc@nrc.gov.

The entire team participated in meetings and a general site tour with DNC staff on Wednesday, May 19, 2004. The site tour focused on areas relevant to the environmental review, including the meteorological tower, intake structures, discharge canal, and the environmental laboratory. During the rest of the site audit, review team members broke off into smaller groups with DNC representatives with corresponding environmental expertise. These groups participated in various activities, including tours of the radioactive waste processing areas, intake and discharge structures, and the transmission line corridors. DNC provided a brief presentation on its new and significant information identification process and a list of information reviewed and individuals/agencies contacted to members of the environmental review team. No significant new information was identified.

In addition, during the site audit, review team members met off-site with staff representing Federal, State and local government agencies and non-governmental organizations (e.g., realtors, chambers of commerce). Information gathered through these offsite meetings will assist the environmental review team in its evaluation. With the exception of the impact of entrainment of winter flounder larvae in the MPS circulating water intakes on the decline of the

winter flounder fishery, no major problem areas were identified during these discussions. The winter flounder fishery is also the major issue in the review by the Connecticut Department of Environmental Protection of the pending DNC application for a revision to the National Pollutant Discharge Elimination System permit for MPS.

At the conclusion of the site visit, the NRC environmental project manager (EPM) and LANL project team leader participated in a summary exit meeting with DNC representatives. The staff indicated that DNC provided an informative and well-represented site visit for the environmental review team. The EPM indicated that the review team did not identify any significant issues during its site visit or the visits offsite with Federal, State, and local agencies except for MPS's impact on the winter flounder fishery. However, the EPM further indicated that the review was ongoing, and that any additional information necessary to support the review would be formally requested as a request for additional information.

/RA/

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Office of Nuclear Reactor Regulation

Docket Nos.: 50-336 and 50-423

Attachments: As stated

cc w/attachments: See next page

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Steve Horn	DNC
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Bob Carberry	NU
Jeff Leary	Maracor Software & Engineering
Karen Patterson	TetraTech NUS (TTNUS)
Jon Cudworth	TTNUS
Ann Lovell	TTNUS (participated by telephone)

**References Collected at the DNC Site Audit
May 19-20, 2004**

	Reference Document	ADAMS Accession Number
1.	Motion for Stipulated Judgment, September 22, 1998, Commissioner of Environmental Protection of the State of Connecticut v. Northeast Utilities Service Company, et al.	ML041900175
2.	Compliance Agreement in the matter of Northeast Utilities Service Company/Northeast Nuclear Energy Company, EPA Case Nos. 99-0120-00 and 99-0120-00.	ML041900181
3.	Summons dated 12/23/1997- served to Northeast Utilities Service Company and Northeast Nuclear Energy Company to appear in Superior Court by authority of the State of Connecticut in the matter of State of Connecticut v. Northeast Utilities Service Company, et al.	ML041900184
4.	4/23/2002 letter from State of Connecticut, Department of Environmental Protection, to Northeast Utilities System regarding state listed species.	ML041900190
5.	Binding Plea Agreement dated July 13, 1999, entered into between Northeast Utilities Service Company and the U.S. States Attorney's Office for the District of Connecticut.	ML041900193
6.	Letter dated June 5, 2001, Certificate of Compliance to Northeast Nuclear Energy Company from the State of Connecticut, Department of Environmental Protection.	ML041900205
7.	Northeast Utilities System's Vegetation Management Stewardship Plan, dated June 1998, accessed from EPA website 2/10/2004.	ML041900211
8.	Report: Terrestrial Ecology of Millstone Point prepared for Northeast Utilities Service Company by Environmental Analysis Incorporated (Dated April 1973).	ML041900179
9.	Final Report to Stone and Webster Engineering Corporation Boston, Massachusetts, Terrestrial Ecology Study of the Millstone Point Site, Waterford, Connecticut, dated May 1973 - March 1974 (IBT No. 64303934), prepared and submitted by Industrial Bio-Test Laboratories, Inc.	ML041900182
10.	Northeast Utilities Specification for Rights-of-Way Vegetation Management, Section III Technical Requirements (Revised 3/23/2004).	ML041900185

	Reference Document	ADAMS Accession Number
11.	A Vegetational Analysis of Millstone Point, Connecticut by B.J. Cox, NALCO Environmental Science.	ML041900191
12.	Attachment H Field Survey Information on the seabeach sandwort (<i>Honckenya peploides</i>) with map.	ML041900195
13.	Regional Conservation and Development Policy Guide for Southeastern Connecticut by the Southeastern Connecticut Council of Governments, Adopted October 15, 1997.	ML041900198
14.	Land Use - 2000, Southeastern Connecticut Region by the Southeastern Connecticut Council of Governments, March 2002.	ML041900207
15.	Social Indicators - 2000, by the Southeastern Connecticut Council of Governments, June 2003.	ML041900209
16.	Regional Transportation Plan - FY 2003 - 2004 for Southeastern Connecticut by the Southeastern Connecticut Council of Governments, Adopted: June 16, 2003.	ML041900214
17.	Southeastern Connecticut Almanac: A Factbook of Business Resources for New London County, Connecticut, and Westerly, Rhode Island by SouthEastern Connecticut Enterprise Region Corporation.	ML041910067
18.	Housing a Region in Transition: An Analysis of Housing Needs in Southeastern Connecticut, 2000 - 2005. Summary Report. Conducted by Southeastern Connecticut Council of Governments.	ML041910072
19.	A Survey of Waterford Residents on Taxes, Town Services, and Dealing with the Loss of Revenue from Millstone. Conducted by Center for Survey Research and Analysis, University of Connecticut, November 2000.	ML041910076
20.	Millstone Power Station Cooling-Water System Technology Study Request for Information - Winter Flounder Mass-Balance Model.	ML041910082
21.	Millstone Station NPDES Permit Renewal Application	ML041910266
22.	Estimation of the Reduction in Recruitment of Winter Flounder in the Niantic River Associated with Operations at Millstone Nuclear Power Station by Mark Gibson, June 1999.	ML041910269
23.	Millstone Power Station Survival Study Results for the Aquatic Organism Sluiceway at Unit 2.	ML041910273

	Reference Document	ADAMS Accession Number
24.	Letter from State of Connecticut, Department of Environmental Protection to Northeast Nuclear Energy Company regarding the report entitled "Feasibility Study of Cooling Water System Alternatives to Reduce Winter Flounder Larvae Entrainment at Millstone Units, 1, 2, 3."	ML041910277
25.	Millstone Nuclear Power Station Ecological Monitoring Program.	ML041910281
26.	4/30/2003, Dominion Nuclear Connecticut (DNC) correspondence to State of Connecticut Department of Environmental Protection regarding issues raised by ESSA Technologies Ltd. on DNC's "An Evaluation of Cooling Water System Alternatives."	ML041910287
27.	2/5/2003, Dominion Nuclear Connecticut's (DNC) comments on Millstone Power Station Cooling Water System Technology Study Winter Flounder Mass-Balance Model - Review by ESSA Technologies Ltd.	ML041910325
28.	10/3/2000, State of Connecticut, Department of Environmental Protection, Emergency Authorization (EA0100176) issued to Northeast Nuclear Energy Company.	ML041910326
29.	10/13/2002, Millstone Power Station Cooling-Water System Technology Study, Response to DEP Comments.	ML041910513
30.	U.S. Census Bureau website, Census 2000 Redistricting Data (Public Law 94-171) Summary File - Connecticut. Accessed: 4/15/2004.	ML041910439
31.	Sections from the <i>Final Environmental Statement related to the operation of Millstone Nuclear Power Station, Unit No. 3, Docket No. 50-423, Northeast Nuclear Energy Company, et al</i> , December 1984, pertaining to historic and archaeological resources.	ML041910328
32.	Sections from the <i>Final Environmental Statement related to the operation of Millstone Nuclear Power Station, Unit No. 3, Docket No. 50-423, Northeast Nuclear Energy Company, et al</i> , Volume 2, pertaining to historic and archaeological resources.	ML041910414
33.	Ranking Tables for Metropolitan Areas: Population in 2000 and Population Change from 1990 to 2000 (PHC-T-3) from U.S. Census Bureau website, accessed: 6/12/2002.	ML041910431

	Reference Document	ADAMS Accession Number
34.	Connecticut: Population of Counties by Decennial Census: 1900 to 1991. Accessed from U.S. Census website 4/15/2004.	ML041910437
35.	Census 2000 Redistricting Data (Public Law 94-171) Summary File: Rhode Island. Accessed from U.S. Census Bureau website 4/15/2004.	ML041910499
36.	Census 2000 Redistricting Data (Public Law 94-171) Summary File: Massachusetts. Accessed from U.S. Census Bureau website 4/15/2004.	ML041910330
37.	Census 2000 Summary File 3: Tenure by Poverty Status in 1999 by Age of Householder. Accessed from U.S. Census Bureau website 12/30/2002.	ML041910331
38.	Fax transmittal from Ruth A. Beers, Director of Finance, Town of Waterford, providing approved budgets of the Town of Waterford for fiscal years 1998 through 2002.	ML041910332
39.	Information about Towns and Cities (Municipalities) in Connecticut from ConneCT - Towns/Cities website.	ML041910336
40.	Town of East Lyme 1999 Plan of Conservation and Development.	ML041910518
41.	Waterford 1998 Plan of Preservation, Conservation, and Development.	ML041910487
42.	Colchester 2001 Plan of Conservation and Development.	ML041910493
43.	Connecticut Department of Economic and Community Development. Website accessed 2002.	ML041910506
44.	Connecticut Department of Transportation maps of Waterford and East Lyme.	ML041910509

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