



**Northeast
Nuclear Energy**

Rope Ferry Rd. (Route 156), Waterford, CT 06385

Millstone Nuclear Power Station
Northeast Nuclear Energy Company
P.O. Box 128
Waterford, CT 06385-0128
(860) 447-1791
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The Northeast Utilities System

MAR 19 2001

Docket No. 50-423
B18360

RE: 10 CFR 2.790
10 CFR 50.90

**U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555**

**Millstone Nuclear Power Station, Unit No. 3
License Amendment Related to the Supplementary
Leakage Collection and Release System (PLAR 3-98-5)
Supplemental Information**

The purpose of this letter is to provide Supplemental Information in support of the Nuclear Regulatory Commission (NRC) review of License Amendment Request,⁽¹⁾ related to the Supplementary Collection and Release System. Specifically, Attachment 1 provides the response to a question received from the NRC staff during a conference call on March 1, 2001.

Application for Withholding Pursuant to 10 CFR 2.790

Enclosure 1 of Attachment 1 provides calculations related to the mixing of sprayed and unsprayed regions and the adjustments of the spray removal coefficients in containment. Stone and Webster Inc. (S&W) considers the material provided in Enclosure 1 to be proprietary information, and as such requests that it be exempt from public disclosure for commercial reasons. Therefore, pursuant to 10 CFR 2.790, it is requested that the calculations US(B)-341, US(B)-349 and US(B)-369 (Enclosure 1 of Attachment 1) describing the S&W mixing calculations, be withheld from public disclosure. Upon separation of Enclosure 1 of Attachment 1 from this letter, this letter may be decontrolled.

⁽¹⁾ M. H. Brothers letter to the Nuclear Regulatory Commission "Millstone Nuclear Power Station, Unit No. 3 - Proposed License Amendment Request SLCRS Bypass Leakage (PLAR 3-98-5)," dated June 6, 1998.

AP01

There are no regulatory commitments contained within this letter.

If you have any questions regarding this submittal, please contact Mr. Ravi Joshi at (860) 440-2080.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY



Raymond P. Necci
Vice President - Nuclear Technical Services

Sworn to and subscribed before me

this 19th day of March, 2001


Notary Public

My Commission expires _____
SANDRA J. LANTON
NOTARY PUBLIC
COMMISSION EXPIRES
MAY 31, 2005

Attachment (1)

cc: H. J. Miller, Region I Administrator
V. Nerses, NRC Senior Project Manager, Millstone Unit No. 3
A. C. Cerne, Senior Resident Inspector, Millstone Unit No. 3

Director
Bureau of Air Management
Monitoring and Radiation Division
Department of Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

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Attachment 1

Millstone Nuclear Power Station, Unit No. 3

**Response to NRC Question
from the Conference Call of March 1, 2001**

**Response to NRC Question
from the Conference Call of March 1, 2001**

Question

Provide Calculations, especially assumptions, that determined the mixing of the sprayed and unsprayed regions and the adjustments of the spray removal coefficients.

Response

Enclosure 1 provides calculations which address the mixing of the sprayed and unsprayed regions and the adjustments of the spray removal coefficients in containment. Stone & Webster considers the calculations provided in Enclosure 1 to be proprietary information, and requests that it be exempt from public disclosure for commercial reasons.

Enclosure 1

**Affidavit from Stone & Webster Engineering Corporation
to Withhold Proprietary Information
and
Calculations US(B)-341, US(B)-349, US(B)-369**

Mr. Raymond P. Necci
Vice President – Nuclear Technical Services
Northeast Utilities Service Company
Millstone Nuclear Power Station
P.O. Box 128
Waterford, Connecticut 06385

March 13, 2001

SRE-MP3-0101

**SUBJECT: Request for Withholding from the Public Record
Calculations US(B)-341, US(B)-349, US(B)-369
MILLSTONE NUCLEAR POWER STATION - UNIT 3**

- References:
1. Calculation US(B)-341, *Calculation of Particulate, Elemental, and Plate Out Iodine Removal Coefficients for Elevated Containment Pressure Case*
 2. Calculation US(B)-349, *Mixing Rate Between Sprayed and Unsprayed Regions Within Containment*
 3. Calculation US(B)-369, *Quench Spray Coverage*

Dear Mr. Necci:

With this letter, Stone & Webster requests that the referenced Calculations and any supporting Calculation Change Notices be withheld from public disclosure in accordance with 10 CFR Part 2, Subpart G, Section 2.790 a (4) and that these Calculations be transmitted to the NRC in confidence. We are requesting Northeast Utilities' cooperation in seeking an exemption from public records disclosure for this material, for commercial reasons.

The following information is provided to support classification of the Calculations as proprietary or privileged commercial as contemplated in the above-noted regulation:

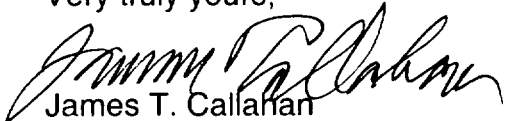
- The methodology described in the Calculations provides the basis for increasing the effectiveness credit for containment spray system in the fission product cleanup function. In very restrictive cases, the model provides the basis for avoiding redesign of the spray system. This makes the methodology contained in the Calculations commercially "valuable" to our company.
- The proprietary information contained in the Calculations is not available through public sources.
- The methodology contained in the Calculations was developed at a considerable expense to the company.

Stone & Webster, Inc.
245 Summer Street
Boston, Massachusetts 02210-1127
Phone: 617.589.5111
Fax: 617.589.2156

- The methodology contained in the Calculations constitutes a trade secret and an advancement in the state of the art, and therefore provides this company with a competitive advantage in obtaining and performing similar design projects. Making this model available to the public will forfeit this company's hard-earned competitive advantage.

If you have any questions or require any additional information, please contact Frank Elia at 617-589-7225.

Very truly yours,


James T. Callahan
Senior Vice President

cc: F. Elia 245/6
J. T. Creamer 245/7
J. S. Lunde 245/6
C. Zappile Chill/30R

COMMONWEALTH OF MASSACHUSETTS
COUNTY OF SUFFOLK

**AFFIDAVIT OF JAMES CALLAHAN IN SUPPORT OF APPLICATION FOR WITHHOLDING
PURSUANT TO 10 C.F.R. PART 2, SUBPART G, SECTION 2.790**

James T. Callahan, being duly sworn, does hereby depose and state:

1. I hold the position of Senior Vice President of Stone & Webster, Inc., and I am authorized to make the request for withholding accompanying this affidavit.
2. The work underlying the information in question was performed under my authority, and I am responsible for the engineering divisions (s) performing the work.
3. The information that we request be withheld appears in a letter dated March 13, 2001 from the undersigned to Mr. Raymond P. Necce of Northeast Utilities Service Company (letter number SRE-MP3-0101). It comprises this company's analysis of containment mixing rate during a design basis accident, containment spray fission product removal coefficients, spray coverage, and effective spray coverage.
4. The analysis identified above constitutes a novel advance in the state of the art for such analysis, and as such constitutes a source of competitive advantage for our company in the competition and performance of such work in the industry.

Further affiant sayeth not.


James T. Callahan, Senior Vice President
Stone & Webster, Inc.
A Shaw Group Company

Commonwealth of Massachusetts
County of Norfolk
Signed and sworn before me this 13th day of March, 2001


Notary Public
my commission expires: 5/24/2002