

## RELATED CORRESPONDENCE

October 14, 2005

UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSIONDOCKETED  
USNRC

October 14, 2005 (3:38pm)

Before the Atomic Safety and Licensing BoardOFFICE OF SECRETARY  
RULEMAKINGS AND  
ADJUDICATIONS STAFF

In the Matter of )

ENTERGY NUCLEAR VERMONT )

YANKEE, LLC and ENTERGY )

NUCLEAR OPERATIONS, INC. )

(Vermont Yankee Nuclear Power Station) )

Docket No. 50-271

ASLBP No. 04-832-02-OLA

(Operating License Amendment)

ENTERGY'S TENTH SUPPLEMENTAL DISCOVERY DISCLOSURES

Pursuant to 10 C.F.R. § 2.336(d), Applicants Entergy Nuclear Vermont Yankee, LLC and Entergy Nuclear Operations, Inc. ("Entergy") hereby make the following supplemental discovery disclosures.

Documents and Data Compilations

Additional non-privileged, non-proprietary documents and data compilations relevant to the admitted contentions are being provided to the parties as follows: one compact disk is being provided to the Vermont Department of Public Service ("DPS") with respect to Contentions DPS 1 and 2; one compact disk is being provided to the New England Coalition ("NEC") with respect to Contentions NEC 3 and 4; and two compact disks are being provided to the NRC Staff with respect to Contentions DPS 1 and 2 and NEC 3 and 4.

In addition, following is a supplement to the log provided on March 31, 2005 of documents ("Proprietary Documents") that counsel for Entergy in good faith believes contain information that qualifies under 10 C.F.R. § 2.390(a)(4) and (b)(4)(i)-(v) as a trade secret and commercial or financial information of Entergy or its vendors and contractors and should be protected in accordance with the terms of the Board's Order (Protective Order Governing Non-Disclosure of Proprietary Information) dated March 1, 2005:

Documents relating to Contentions DPS 1&2:

Document Title	Bates Range	Document Title	Company
EPU004990	EPU 122635 - EPU 122683	Engineering Report: Containment Isolation. Contains details of GE's methodology, assumptions, and results for performing analyses in support of a Constant Pressure Power Uprate.	GE
EPU004991	EPU 122684 - EPU 122739	Engineering Report: Standby Liquid Control System. Contains details of GE's methodology, assumptions and results for performing analyses in support of a Constant Pressure Power Uprate.	GE
EPU004992	EPU 122740 - EPU 122838	Engineering Report: ECCS-LOCA SAFER/GESTR. Contains assumptions and discussion of results from GE's proprietary LOCA methodology.	GE
EPU004994	EPU 122839 - EPU 122947	Engineering Report Cover Sheet: Reactor Vessel Integrity-Stress Evaluation. Contains details fo GE's methodology, assumptions and results for performing Reactor Pressure Vessel integrity evaluations.	GE
EPU004995	EPU 122948 - EPU 123046	Engineering Report: ECCS-LOCA SAFER/GESTR. Contains assumptions and discussion of results from GE's proprietary LOCA methodology.	GE
EPU004997	EPU 123047 - EPU 123179	Nuclear Management Manual: Containment System Response. Contains details of GE's methodology, assumptions and inputs for performing containment analysis.	GE
EPU005093	EPU 123180 - EPU 123479	The S&W portion of this document is Response to RAI IEPB-B-5. S&W Proprietary Basis: This document reveals a portion of the S&W BOP power uprate evaluation process and specifically describes the methods used to assess the impact of extended power uprate on radiation levels on-site and off-site. GE Proprietary Basis: Response to Request for Additional Information. Contains details of GE's methodology, assumptions, and results for performing analysis in support of a Constant Pressure Power Uprate.	GE & S&W
EPU005094	EPU 123480 - EPU 123500	Revised Response to RAI SRXB-A-6. Contains details of GE's proprietary core analysis methods including results and comparison to plant data.	GE
EPU005095	EPU 123501 - EPU 123521	Revised Response to RAI SRXB-A-6. Contains details of GE's proprietary core analysis methods including results and comparison to plant data.	GE

Document Title	Bates Range	Document Title	Company
EPU005096	EPU 123522 - EPU 123657	Responses to RAIs SRXB-A-7 through SRXB-A-58. Contains details of GE's methodology, assumptions and results for performing analyses in support of a Constant Pressure Power Uprate.	GE
EPU005097	EPU 123658 - EPU 123784	Responses to RAI SRXB-7. Contains details of GE's proprietary core analysis methods including results and comparison to plant data.	GE
EPU005098	EPU 123785 - EPU 123911	Responses to RAI SRXB-7. Contains details of GE's proprietary core analysis methods including results and comparison to plant data.	GE
EPU005099	EPU 123912 - EPU 124038	Responses to RAI SRXB-7. Contains details of GE's proprietary core analysis methods including results and comparison to plant data.	GE
EPU005100	EPU 124039 - EPU 124040	Draft for review - unverified RAI's SRXB-7, 9, 19, 21, and 22	GE
EPU005101	EPU 124041 - EPU 124091	Letter: Responses to NRC RAIs SPSB-51 and SRXB-7, 8, 9, 10, 13, 14, 15, 16, 17, 19, 20, 21, 22, and 23 GE-VYNPS-AEP-395. Contains details of GE's methodology, assumptions and results for performing analyses in support of a Constant Pressure Power Uprate.	GE
EPU005102	EPU 124092 - EPU 124142	Letter: Responses to NRC RAIs SPSB-51 and SRXB-7, 8, 9, 10, 13, 14, 15, 16, 17, 19, 20, 21, 22, and 23 GE-VYNPS-AEP-395. Contains details of GE's methodology, assumptions and results for performing analyses in support of a Constant Pressure Power Uprate	GE
EPU005103	EPU 124143 - EPU 124196	Letter: Responses to NRC RAIs SPSB-51 and SRXB-7, 8, 9, 10, 13, 14, 15, 16, 17, 19, 20, 21, 22, and 23 GE-VYNPS-AEP-395. Contains details of GE's methodology, assumptions and results for performing analyses in support of a Constant Pressure Power Uprate	GE
EPU005104	EPU 124197 - EPU 124250	Letter: Responses to NRC RAIs SPSB-51 and SRXB-7, 8, 9, 10, 13, 14, 15, 16, 17, 19, 20, 21, 22, and 23 GE-VYNPS-AEP-395. Contains details of GE's methodology, assumptions and results for performing analyses in support of a Constant Pressure Power Uprate	GE
EPU005105	EPU 124251 - EPU 124306	Request for Additional Information Regarding Proposed License Amendment Extended Power Uprate. Discloses CDI proprietary aspects of a loads transfer algorithm that, if disclosed to competitors, would permit duplication of the algorithm and result in a loss of competitive advantage in the industry.	CDI
EPU005106	EPU 124307 - EPU 124363	Request for Additional Information Regarding Proposed License Amendment Extended Power Uprate. Discloses CDI proprietary aspects of a loads transfer algorithm that, if disclosed to competitors, would permit duplication of the algorithm and result in a loss of competitive advantage in the industry.	CDI
EPU005107	EPU 124364 - EPU 124430	Request for Additional Information Regarding Proposed License Amendment Extended Power Uprate. Discloses CDI proprietary aspects of a loads transfer algorithm that, if disclosed to competitors, would permit duplication of the algorithm and result in a loss of competitive advantage in the industry.	CDI

Document Title	Bates Range	Document Title	Company
EPU005108	EPU 124431 - EPU 124498	Request for Additional Information Regarding Proposed License Amendment Extended Power Uprate. Discloses CDI proprietary aspects of a loads transfer algorithm that, if disclosed to competitors, would permit duplication of the algorithm and result in a loss of competitive advantage in the industry.	CDI
EPU005109	EPU 124499 - EPU 124564	Request for Additional Information Regarding Proposed License Amendment Extended Power Uprate. Discloses CDI proprietary aspects of a loads transfer algorithm that, if disclosed to competitors, would permit duplication of the algorithm and result in a loss of competitive advantage in the industry.	CDI
EPU005110	EPU 124565 - EPU 124626	Request for Additional Information Regarding Proposed License Amendment Extended Power Uprate. Discloses CDI proprietary aspects of a loads transfer algorithm that, if disclosed to competitors, would permit duplication of the algorithm and result in a loss of competitive advantage in the industry.	CDI
EPU005111	EPU 124627 - EPU 124632	Response to RAI SRXB-A-10. Contains details of GE's methodology, assumptions and results for performing analyses in support of a Constant Pressure Power Uprate.	GE
EPU005112	EPU 124633 - EPU 124679	Engineering Report: Reactor Core Isolation Cooling System. Contains details of GE's methodology, assumptions and results for performing analyses in support of a Constant Pressure Power Uprate.	GE
EPU005113	EPU 124680 - EPU 124716	Engineering Report: High Pressure Coolant Injection System. Contains details of GE's methodology, assumptions and results for performing analyses in support of a Constant Pressure Power Uprate.	GE
EPU005114	EPU 124717 - EPU 124765	Engineering Report: Post-LOCA Combustible Gas Control. Contains details of GE's methodology, assumptions and results for performing analyses in support of a Constant Pressure Power Uprate.	GE
EPU005115	EPU 124766 - EPU 124929	Engineering Report: Anticipated Transients Without Scram. Contains details of GE's methodology, assumptions and results for performing analyses in support of a Constant Pressure Power Uprate.	GE
EPU005002	EPU 124930 - EPU 124962	Round 7 draft RAIs. Contains details of GE's proprietary core analysis methods including results and comparison to plant data.	GE
EPU005004	EPU 124963 - EPU 125002	Revised RAIs. Contains details of GE's proprietary core analysis methods including results and comparison to plant data.	GE
EPU005006	EPU 125003 - EPU 125038	Revised RAIs. Contains details of GE's proprietary core analysis methods including results and comparison to plant data.	GE
EPU005010	EPU 125039 - EPU 125084	Revised RAI Draft 5. Contains details of GE's proprietary core analysis methods including results and comparison to plant data.	GE
EPU005011	EPU 125085 - EPU 125128	Revised RAI Draft 5 on Steam Dryer and SBO. Contains details of GE's proprietary core analysis methods including results and comparison to plant data.	GE
EPU005013	EPU 125129 - EPU 125171	Revised RAI Draft 5. Contains details of GE's proprietary core analysis methods including results and comparison to plant data.	GE
EPU005015	EPU 125172 - EPU 125214	Revised RAI Draft 5. Contains details of GE's proprietary core analysis methods including results and comparison to plant data.	GE
EPU005117	EPU 125215 - EPU 125220	Attachment 9 to RAI letter. Contains details of GE's methodology assumptions and results for performing analyses in support of a Constant Pressure Power Uprate.	GE

Document Title	Bates Range	Document Title	Company
EPU005119	EPU 125221 - EPU 125225	NRC question RE: Appendix R. Contains details of GE's methodology assumptions and results for performing analyses in support of a Constant Pressure Power Uprate.	GE

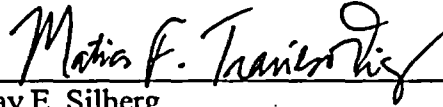
These documents are being provided to DPS pursuant to the terms of the Board's March 1, 2005 Protective Order, under which the documents and the proprietary information they contain can only be made available to persons executing Confidentiality and Non-Disclosure Agreements substantially identical to the form included in Attachment A to the Protective Order.

Entergy is providing documents relating to NEC Contention 4, which was dismissed by the Board as moot in its Memorandum and Order LBP-05-24 (September 1, 2005). This discovery is provided for completeness, since the Board's Memorandum and Order granted NEC leave to file a new or amended contention challenging the adequacy of Entergy's seismic and structural analysis of the Vermont Yankee cooling towers, and NEC filed a request for admission of such a contention on September 21, 2005. Provision of this discovery does not constitute an admission by Entergy that the new contention proposed by NEC is admissible.

As provided in 10 CFR § 2.336(c), this filing is accompanied by a Certification of Entergy's Tenth Supplemental Discovery Disclosures in the form of an Affidavit by Craig J. Nichols, the Extended Power Uprate Project Manager for Entergy Nuclear Operations, Inc. The

Affidavit is submitted unsigned because Mr. Nichols is on travel. A duly executed and notarized affidavit will be filed upon Mr. Nichols' return.

Respectfully submitted,

A handwritten signature in black ink, reading "Matias F. Travieso-Diaz", written over a horizontal line.

Jay E. Silberg

Matias F. Travieso-Diaz

PILLSBURY WINTHROP SHAW PITTMAN LLP

2300 N Street, N.W.

Washington, DC 20037-1128

Tel. (202) 663-8063

Counsel for Entergy Nuclear Vermont Yankee,  
LLC and Entergy Nuclear Operations, Inc.

Dated: October 14, 2005

**UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION**

**Before the Atomic Safety and Licensing Board**

In the Matter of )

ENTERGY NUCLEAR VERMONT )  
YANKEE, LLC and ENTERGY )  
NUCLEAR OPERATIONS, INC. )  
(Vermont Yankee Nuclear Power Station) )

) Docket No. 50-271

) ASLBP No. 04-832-02-OLA  
) (Operating License Amendment)  
)

**CERTIFICATE OF SERVICE**

I hereby certify that copies of "Entergy's Tenth Supplemental Discovery Disclosures" and "Certification of Entergy's Tenth Supplemental Discovery Disclosures – Affidavit of Craig J. Nichols" were served on the persons listed below by deposit in the U.S. mail, first class, postage prepaid, and where indicated by an asterisk by electronic mail, this 14th day of October, 2005.

\*Administrative Judge  
Alex S. Karlin, Chair  
Atomic Safety and Licensing Board Panel  
Mail Stop T-3 F23  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001  
[ask2@nrc.gov](mailto:ask2@nrc.gov)

\*Administrative Judge  
Lester S. Rubenstein  
4760 East Country Villa Drive  
Tucson AZ 85718  
[lesrrr@comcast.net](mailto:lesrrr@comcast.net)

\*Administrative Judge  
Dr. Anthony J. Baratta  
Atomic Safety and Licensing Board Panel  
Mail Stop T-3 F23  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001  
[ajb5@nrc.gov](mailto:ajb5@nrc.gov)

Atomic Safety and Licensing Board  
Mail Stop T-3 F23  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

\*Secretary  
Att'n: Rulemakings and Adjudications Staff  
Mail Stop O-16 C1  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001  
[secy@nrc.gov](mailto:secy@nrc.gov), [hearingdocket@nrc.gov](mailto:hearingdocket@nrc.gov)

Office of Commission Appellate  
Adjudication  
Mail Stop O-16 C1  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

\*Sarah Hofmann  
Special Counsel  
Department of Public Service  
112 State Street – Drawer 20  
Montpelier, VT 05620-2601  
[Sarah.Hofmann@state.vt.us](mailto:Sarah.Hofmann@state.vt.us)

\*Sherwin E. Turk, Esq.  
\*Robert Weisman, Esq.  
\*Jason C. Zorn, Esq.  
Office of the General Counsel  
Mail Stop O-15 D21  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001  
[set@nrc.gov](mailto:set@nrc.gov), [rmw@nrc.gov](mailto:rmw@nrc.gov), [jcz@nrc.gov](mailto:jcz@nrc.gov)

\*Anthony Z. Roisman  
National Legal Scholars Law Firm  
84 East Thetford Rd.  
Lyme, NH 03768  
[aroisman@nationallegalscholars.com](mailto:aroisman@nationallegalscholars.com)

\*Raymond Shadis  
New England Coalition  
P.O. Box 98  
Shadis Road  
Edgecomb ME 04556  
[shadis@prexar.com](mailto:shadis@prexar.com)

\*Jonathan Rund  
Atomic Safety and Licensing Board Panel  
Mail Stop T-3 F23  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001  
[jmr3@nrc.gov](mailto:jmr3@nrc.gov)

  
Matias F. Travieso-Diaz



Before the Atomic Safety and Licensing Board

**ASLBP No. 04-832-02-OLA**  
**(Operating License Amendment)**

2. As Extended Power Uprate Project Manager I am responsible for the gathering and preparation of all of the analyses and documentation associated with the Extended Power Uprate for Vermont Yankee Nuclear Power Station. In connection with Entergy's tenth supplemental document disclosures in this proceeding, I have personally overseen the review and classification of all relevant documents and the production of the file compilations being provided by Entergy.

3. To the best of my knowledge, information and belief, Entergy's Tenth Supplemental Discovery Disclosures, dated October 14, 2005, describe and transmit all materials required to be disclosed by 10 C.F.R. § 2.336(d) that were identified as relevant to the admitted contentions through a search of the information and documentation reasonably available to and under Entergy's possession, custody, or control.

4. Further, to the best of my knowledge, information, and belief, and based on a review of the information and documentation currently reasonably available to and under the possession, custody, or control of Entergy, these disclosures are accurate and complete as of the date of this certification.

Further, the affiant sayeth not.

---

Craig J. Nichols

Subscribed and sworn to before me  
this \_\_\_\_\_ day of October, 2005.

---

Notary Public

My commission expires \_\_\_\_\_