

From: Rick Ennis *RE*
To: Allen Howe; Brooke Poole; Chris Miller; Cliff Anderson; Cornelius Holden; David Pelton; Diane Screnci; Donald Florek; Donna Skay; Jeffrey Jacobson; John Stang; Lawrence Doerflein; Marisa Higgins; Neil Sheehan; Ralph Caruso; Richard Lobel; Robert Bores; Robert Jasinski; Robert Weisman; Rosetta Virgilio; Scott Burnell; Tae (TJ) Kim; Thomas Madden; Wayne Lanning; William Ruland
Date: 9/27/04 6:52AM
Subject: State of VT letter to Entergy - containment overpressure

fyi - attached is a letter from the State of Vermont to Entergy requesting information to support the State in making a presentation to ACRS.

E-93

Mail Envelope Properties (4157F0D3.9D1 : 15 : 20516)

Subject: State of VT letter to Entergy - containment overpressure
Creation Date: 9/27/04 6:52AM
From: Rick Ennis

Created By: RXE@nrc.gov

Recipients	Action	Date & Time
owf4_po.OWFN_DO	Delivered	09/27/04 06:52AM
WHR (William Ruland)	Opened	09/27/04 07:40AM
twf1_po.TWFN_DO	Delivered	09/27/04 06:52AM
RXC (Ralph Caruso)	Opened	09/27/04 07:18AM
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kp1_po.KP_DO	Delivered	09/27/04 06:52AM
CJA (Cliff Anderson)	Opened	09/27/04 07:24AM
DJF1 (Donald Florek)	Opened	09/27/04 06:53AM
DLP1 (David Pelton)	Opened	09/27/04 07:36AM
DPS (Diane Screnci)	Opened	09/27/04 07:51AM
LTD (Lawrence Doerflein)	Opened	09/27/04 07:40AM
NAS (Neil Sheehan)	Opened	09/28/04 08:35AM
RJB (Robert Bores)	Opened	09/27/04 08:17AM
WDL (Wayne Lanning)	Opened	09/27/04 07:28AM
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ROV (Rosetta Virgilio)	Opened	09/27/04 03:07PM
SRB3 (Scott Burnell)	Opened	09/27/04 06:59AM
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DMS6 (Donna Skay)	Opened	09/27/04 09:03AM
RML (Richard Lobel)	Opened	09/29/04 10:56AM
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AGH1 (Allen Howe)	Opened	09/27/04 07:27AM
CFH (Cornelius Holden)	Opened	09/27/04 07:50AM
JBH (Jeffrey Jacobson)	Opened	09/27/04 08:39AM
JFS2 (John Stang)		
RJJ1 (Robert Jasinski)	Opened	09/27/04 07:02AM
TJK3 (Tae (TJ) Kim)	Opened	09/27/04 08:42AM

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BDP (Brooke Poole)	Opened	09/27/04 07:31AM
CGM (Chris Miller)	Opened	09/27/04 08:35AM
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MCH5 (Marisa Higgins)	Opened	09/27/04 07:04AM
TJM (Thomas Madden)	Opened	09/28/04 08:23AM

Post Office	Delivered	Route
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Files	Size	Date & Time
MESSAGE	629	09/27/04 06:52AM
Mail		

Options	
Auto Delete:	No
Expiration Date:	None
Notify Recipients:	Yes
Priority:	Standard
Reply Requested:	No
Return Notification:	None

Concealed Subject:	No
Security:	Standard

To Be Delivered:	Immediate
Status Tracking:	Delivered & Opened

From: "Sherman, William" <William.Sherman@state.vt.us>
To: "David McElwee (E-mail)" <dmcelwe@entergy.com>, "Paul Lohaus (E-mail)" <PHL@nrc.gov>, "Rick Ennis (E-mail)" <rxe@nrc.gov>, "jtl@nrc.gov" <jtl@nrc.gov>
Date: 9/24/04 4:53PM
Subject: REVISED: Letter Request to VY regarding Uprate ACRS Meeting

Please replace the previous letter with the attached. The first paragraph of the earlier letter was garbled in WORD conversion.

-- Bill

> -----Original Message-----

> **From:** Sherman, William
> **Sent:** Friday, September 24, 2004 4:32 PM
> **To:** David McElwee (E-mail); Paul Lohaus (E-mail); Rick Ennis (E-mail);
> 'jtl@nrc.gov'
> **Cc:** Dave Pelton (E-mail)
> **Subject:** Letter Request to VY regarding Uprate ACRS Meeting

>
> The attached letter was sent out today.

>
> -- Bill

>
> << File: ACRSDocReqtoVY.doc >>
>
> <<ACRSDocReqtoVY.doc>>

CC: "Dave Pelton (E-mail)" <dlp1@nrc.gov>

September 24, 2004

Mr. Jay K. Thayer
Site Vice President
Entergy Nuclear Vermont Yankee
P.O. Box 0500
185 Old Ferry Road
Brattleboro, VT 05302-0500

RE: Information for Presentation to ACRS

Dear Mr. Thayer:

Pursuant to 30 V.S.A. § 206, this letter requests that information be provided to the Department. The documents and information are needed by the Department to prepare a presentation to the Advisory Committee on Reactor Safeguards (ACRS) regarding Entergy's request for extended power uprate.

On September 17, 2004, as part of our ongoing responsibilities related to oversight of Vermont Yankee, we asked the ACRS to allow us to make a presentation on Entergy's request to change Vermont Yankee's design basis to take credit for containment overpressure to demonstrate the adequacy of emergency core and containment cooling pumps. In order to properly make this presentation, we need a number of Vermont Yankee documents and related information. Although we believe that Nuclear Regulatory Commission (NRC) power uprate review staff should also review this information as part of their review, we are not aware that you have provided this information to the NRC review staff. Therefore, these documents are not in our possession.

1. Please provide us with a copy of the following documents. When calculations are requested, the request includes the latest revision and all applicable calculation change notices (CCN's).

VYC-1924: DE&S Calc. DC-A34600-006. Vermont Yankee ECCS
Suction Strainer Head Loss Performance Assessment, RHR and CS Debris
Head Loss Calculations

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VYC-1677: Debris Source Terms for Sizing of Replacement Residual Heat Removal and Core Spray Strainers

VYC-1919: DE&S Calc. DC-A34600-01. RHR and CS Suction Strainer Assembly Clean Strainer Head Loss

ARL 65-98/M208F, Head Loss of Fibrous Insulation Debris, Paint Chips, Sludge and Turbulence Effects for Vermont Yankee BWR Suction Strainers, April 1998 (Johnson & Padmanabhan) (VYC-1959 ?)

ITS/VY-98-01, Rev. 1, Analysis of Tests for Investigating the Effect of Coating Debris on ECCS Strainer Performance for Vermont Yankee, August 1998 (Copus) (VYC-1960 ?)

GE-VYNPS-AEP-177: VYNPS EPU T0400: Suppression Pool Temperature/Pressure Response to DBA-LOCA (4/5/03)

GE-NE-0000-0016-3831-01: VYNPS EPU Task T0902: Anticipated Transients Without Scram

ERC No. 2003-027 Debris Source Term Appropriate for Power Uprate Evaluations of ECCS NPSH (5/13/03)

GE/CDI Technical Memorandum 97-10, July 2, 1997 (basis for Vermont Yankee paint quantities)

KTA-Tator Test Report, June 25, 1998, Containment Coating

Calculation(s) to determine Torus Temperature and NPSH for RHR and CS pumps on for a Stuck Open Safety/Relief Valve.

2. Please identify whether it is feasible to replace RHR and CS spray pumps with pumps which do not require crediting containment overpressure for NPSH adequacy. If you have determined that such replacement is not feasible, please identify the reasons for such a determination.
3. Please identify the highest uprated power level possible for Vermont Yankee for which Vermont Yankee would not have to request changing its design basis to take credit for containment overpressure to demonstrate NPSH adequacy for any of the events: large and small break LOCAs, SBO, ATWS, Appendix R fires, and

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stuck open SRVs. Please provide copies of the calculations you have used to determine this highest updated power level without taking overpressure credit.

In addition, if Entergy intends at ACRS to support its overpressure credit design basis change request with risk and probabilistic information, we would request to meet with you to discuss your probabilistic modeling and assumptions related to containment overpressure credit.

In order to prepare for the ACRS meeting, the information above is requested by October 15, 2004.

Sincerely,

David O'Brien, Commissioner
NRC State Liaison Officer

cc:
M. Bonaca - ACRS
P. Lohaus - NRC
R. Ennis - NRC