

**From:** Rick Ennis  
**To:** Paul Blanch  
**Date:** 1/7/04 4:09PM  
**Subject:** Re: NPSH for BWR Extended Power Upgrades (EPU)

Paul,

Bill Ruland forwarded your email to me since I am the NRR Vermont Yankee project manager. The NRC plans to review the Vermont Yankee Extended Power Uprate (EPU) amendment request using NRC Review Standard RS-001. A copy of RS-001 can be found on our website at:

<http://www.nrc.gov/reactors/operating/licensing/power-uprates.html#relatedregs>

RS-001, Section 2.6.5 discusses the specific review criteria we will use to evaluate the effects of the EPU on NPSH.

As discussed in the attached letter from the NRC to Entergy dated 12/15/03, the staff has requested Entergy to provide further information related to the CPPU topical report you referenced as well as providing the technical information needed to support the review areas contained in RS-001.

Please let me know if you have any questions.

Rick Ennis  
301-415-1420

>>> "Paul Blanch" <pdblanch@comcast.net> 01/05/04 02:02PM >>>  
Bill:

During my search of ADAMS I came across a letter authored by you addressed to General Electric dated March 31, 2003. This letter is titled "REVIEW OF GE NUCLEAR ENERGY LICENSING TOPICAL REPORT NEDC-33004P, REVISION 3, "CONSTANT PRESSURE POWER UPRATE"

I also noted NEOD-33090 dated September 2003 titled "SAFETY ANSAYSIS REPORT FOR VERMONT YANKEE NUCLEAR POWER STATION CONSTANT PRESSURE POWER UPRATE"

I note that both of these documents discuss the requirements for the NPSH for the ECCS pumps however, the specific review criteria seems to be missing from my copy of these documents.

If my memory serves me correctly, I recall that there are specific criteria for post LOCA NPSH contained within Regulatory Guides 1.1 and 1.82 and also Generic Letter 97-04. Could you please explain to me why these criteria are apparently not part of the acceptance criteria for

the Vermont Yankee upgrade? It may be possible that I have only reviewed the non-proprietary copies of these documents and the proprietary version contains the missing information. If this is the case, please confirm this.

I would also appreciate a list of other BRW upgrades where these criteria may not have been specifically addressed during the NRC's review process.

Paul M. Blanch

135 Hyde Rd.

West Hartford, CT 06117

Cell 860-881-6011

Office 860-236-0326

FAX 801-991-9562

**CC:** Anthony McMurtray; Cornelius Holden; Darrell Roberts; Eric Leeds; Mohammed Shuaibi; Richard Lobel; Tad Marsh; William Ruland

**Mail Envelope Properties**

(3FFC7568.887 : 15 : 20516)

**Subject:** Re: NPSH for BWR Extended Power Upgrades (EPU)**Creation Date:** 1/7/04 4:08PM**From:** Rick Ennis**Created By:** RXE@nrc.gov

Recipients	Action	Date & Time
owf2_po.OWFN_DO	Delivered	01/07/04 04:09PM
ACM2 CC (Anthony McMurtray)		
MAS4 CC (Mohammed Shuaibi)	Opened	01/07/04 04:26PM
RML CC (Richard Lobel)		
owf4_po.OWFN_DO	Delivered	01/07/04 04:09PM
CFH CC (Cornelius Holden)	Opened	01/08/04 07:38AM
DJR CC (Darrell Roberts)		
EJL CC (Eric Leeds)		
LBM CC (Tad Marsh)	Opened	01/08/04 07:11AM
RXE BC (Rick Ennis)	Opened	01/07/04 04:09PM
WHR CC (William Ruland)	Opened	01/07/04 04:49PM
comcast.net	Transferred	01/07/04 04:09PM
pdblanch (Paul Blanch)		

Post Office	Delivered	Route
owf2_po.OWFN_DO	01/07/04 04:09PM	
owf4_po.OWFN_DO	01/07/04 04:09PM	
		comcast.net

Files	Size	Date & Time
MESSAGE	5094	01/07/04 04:08PM

**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