



Entergy Nuclear Northeast  
Entergy Nuclear Operations, Inc.  
James A. Fitzpatrick NPP  
P.O. Box 110  
Lycoming, NY 13093  
Tel 315 342 3840

JAFP-06-0085  
May 31, 2006

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

SUBJECT: Entergy Nuclear Operations, Inc.  
James A. FitzPatrick Nuclear Power Plant  
Docket No. 50-333  
License No. DPR-59

**Revision to Response to Request for Additional Information (RAI) Regarding Request for Approval of Relief Request No. 39, Implementation of BWRVIP Guidelines in lieu of ASME Section XI Code Requirements on Reactor Vessel Internals and Components Inspection (TAC No. MC 8587)**

- REFERENCES:
1. Telecom dated May 11, 2006 between NRC Staff and JAF Regarding Clarification on Use of BWRVIP Guidelines.
  2. Entergy Nuclear Operations, Inc. letter to USNRC (JAFP-06-0059), Response to RAI Regarding Request for Approval of Relief Request No. 39, Implementation of BWRVIP Guidelines in Lieu of ASME Section XI Code Requirements on Reactor Vessel Internals and Components Inspection (TAC No. MC 8587) dated April 3, 2006.
  3. USNRC letter to Entergy Nuclear Operations, Inc., Request for Additional Information (RAI) Regarding Relief Request RR-39, Implementation of BWRVIP Guidelines, (TAC No. MC8587) dated February 9, 2006.
  4. Entergy Nuclear Operations, Inc. letter to USNRC (JAFP-05-0151), Request for Approval of Relief Request No. 39, dated October 7, 2005.

Dear Sir:

On May 11, 2006, a telecom (Reference 1) was held with your Staff to discuss Entergy Nuclear Operation, Inc.'s response (Reference 2) to an NRC Request for Additional Information (RAI) (Reference 3).

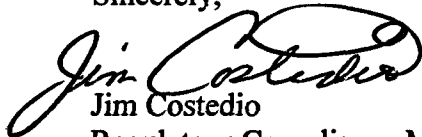
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This letter contains the revised information as discussed in the May 11, 2006 telecom.

This response does not change the conclusions in the original Relief Request (Reference 4). However, the scope of the original Relief Request has been revised to no longer include BWRVIP-25, "BWRVIP Core Plate Inspection and Flaw Evaluation Guidelines" as a proposed alternative inspection program for the Core Plate Rim Hold-Down Bolts.

There are no commitments contained in this letter.

Sincerely,



Jim Costedio  
Regulatory Compliance Manager

JC:GB:gb

Attachment: Revised Reactor Vessel Internals Inspection Five (5) Cycle Look-Ahead

cc:

Regional Administrator, Region 1  
U. S. Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406-1415

Mr. John Boska, Project Manager  
Plant Licensing Branch I-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Mail Stop O-8-C2  
Washington, DC 20555

Mr. Peter R. Smith, President  
New York State Energy, Research,  
& Development Authority  
17 Columbia Circle  
Albany, NY 12203-6399

Resident Inspector's Office  
U. S. Nuclear Regulatory Commission  
James A. FitzPatrick Nuclear Power Plant  
PO Box 136  
Lycoming, NY 13093

Mr. Paul Eddy  
New York State Dept. of Public Service  
3 Empire State Plaza  
Albany, NY 12223-1350

**Attachment 1 to JAFP-06-0085**  
**Entergy Nuclear Operations, Inc. – FitzPatrick**  
**Docket No. 50-333**

**Reactor Vessel Internals Inspection Five (5) Cycle Look-Ahead**

Reactor Internal Component	Inspection Bases	RO17 (2006)	RO18 (2008)	RO19 (2010)	RO20 (2012)	RO22 (2014)
Control Rod Drive Guide Tube Body Welds	BWRVIP-47-A, Table 3-3		EVT-1	EVT-1(IN)		EVT-1
Control Rod Drive Guide Tube Lug and Pin	BWRVIP-47-A, Table 3-3		VT-3	VT-3(IN)		VT-3
Core Plate Rim Hold-Down Bolts (NOTE 1)						
Core Shroud Vertical & Ring Segment Welds	BWRVIP-76, Figure 3-3 & 3-4	EVT-1/UT	EVT-1(IN)	EVT-1(IN)	EVT-1	EVT-1
Core Shroud Tie-Rod Repair	BWRVIP-76, Section 3.5	VT-3/EVT-1(10)	VT-3/EVT-1(6)			
Core Shroud Support Welds (H9) (NOTE 3)	BWRVIP-38, Figure 3-5	EVT-1	EVT-1			EVT-1
Core Shroud Gusset Welds	BWRVIP-38, Figure 3-2 and BWRVIP-76, Section 3.6	EVT-1	EVT-1			EVT-1
Core Spray Thermal Sleeve Welds (Hidden) (NOTE 2)	BWRVIP-18-A, Section 3.2.4		UT (*)	UT (IN)	UT (IN)	UT (IN)
Core Spray Piping Welds	BWRVIP-18-A, Table 3-5	EVT-1	EVT-1	EVT-1	EVT-1	EVT-1
Core Spray Sparger Large Circ Welds	BWRVIP-18-A, Table 3-5	EVT-1		EVT-1		EVT-1
Core Spray Sparger Nozzle Welds	BWRVIP-18-A, Table 3-5	VT-1 (50%)		VT-1 (50%)		VT-1 (50%)
Core Spray Piping Brackets	BWRVIP-18-A, Table 3-5	EVT-1				EVT-1
Core Spray Sparger Brackets	BWRVIP-18-A, Table 3-5	VT-1		VT-1		VT-1
Feedwater Sparger Tee Welds	NUREG 0619			VT-1		
Feedwater Sparger Bracket Attachment	BWRVIP-48-A, Table 3-2			EVT-1		
Feedwater Sparger Assembly	NUREG 0619			VT-3		
Jet Pump Beams	BWRVIP-41, Rev.1, Table 3.3-1 and BWRVIP-138, Section 6.4	UT			UT	
Jet Pump Thermal Sleeve Welds (Hidden) (NOTE 2)	BWRVIP-41, Rev.1, Table 3.3-1		UT (*)	UT (IN)	UT (IN)	UT (IN)
Jet Pump Assembly (High Priority Welds)	BWRVIP-41, Rev.1, Table 3.3-1	UT/EVT-1			EVT-1 (50%)	
Jet Pump Assembly (Medium & Low Priority Welds)	BWRVIP-41, Rev.1, Table 3.3-1	EVT-1			EVT-1 (25%)	
Jet Pump Riser Brace Welds	BWRVIP-41, Rev.1, Table 3.3-1	EVT-1			EVT-1 (25%)	
Jet Pump Restrainer Wedges	BWRVIP-41, Rev.1, Table 3.3-1	VT-1			VT-1(50%)	
Lower Plenum	BWRVIP-47-A, Section 3.2		WHEN ACCESSIBLE			
Miscellaneous Vessel Internal Attachments	BWRVIP-48-A, Table 3-2	VT-3				VT-3/EVT-1
Orificed Fuel Support Castings (Sampling)	BWRVIP-47-A, Table 3.2-1	VT-3	VT-3	VT-3	VT-3	VT-3
SLC Nozzle-to-Safe End Weld (NOTE 2)	BWRVIP-27-A, Section 3.3.1	PT or EVT-2*	EVT-2* (IN)	PT or EVT-2*	EVT-2* (IN)	PT or EVT-2*
Top Guide Hold-down Assemblies	BWRVIP-26-A, Table 3-2	VT-1 (2)		VT-1 (2)		VT-1 (2)
Top Guide Grid Beams (Sampling)	BWRVIP-26-A, Section 3.2.2	VT-3/VT-1				

**NOTES:**

- (1) Inspection performed per ASME Code Section XI requirements (this component is excluded from Relief Request No. 39).
- (2) Inspection of these welds to be performed when UT technology is available in accordance with BWRVIP requirements of the applicable BWRVIP document.
- (3) For clarification purposes only: H12 weld does not apply to the FitzPatrick Plant.

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**Reactor Vessel Internals Inspection Five (5) Cycle Look-Ahead**

**Table Key**

- Standard Print** = Inspections mandated by BWRVIP I & E Guidelines
- Italics* = Inspections recommended for Risk-To-Generation purposes
- UT** = Ultrasonic Testing planned
- UT (\*)** = Ultrasonic Testing when the technique becomes available
- VT-3/VT-1(\*)** = Contingency examination subject to lower plenum access
- VT** = Visual Testing planned
- EVT-1** = EVT-1; Enhanced Visual Test to look for cracking; 1/2 mil wire resolution with cleaning assessment
- EVT-2\*** = Enhanced Leakage Inspection (direct view of component during pressure test)
- VT-1** = VT-1; Visual Test to look for cracks, wear, corrosion, etc.; resolution required: 1/32" black line
- VT-3** = VT-3; Visual Test to determine general mechanical/structural condition; no resolution requirements
- PT** = Surface examination
- (IN)** = If necessary, to complete number of inspections not performed in previous outage(s)
- (all, number, or %)** = Perform inspection on all or on remainder components, limited number (or percentage) of components, or just flawed components