



Entergy Nuclear Northeast
Entergy Nuclear Operations, Inc
James A Fitzpatrick NPP
P O Box 110
Lycoming, NY 13093
Tel 315 349 6024 Fax 315 349 6480

T.A. Sullivan
Vice President, Operations-JAF

December 26, 2002
JAFP-02-0251

United States Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop O-P1-17
Washington, DC 20555

SUBJECT: James A. FitzPatrick Nuclear Power Plant
Docket No. 50-333
In-Vessel Visual Inspection Summary Report
2002 Refuel Outage (Reload 15/Cycle 16)

Dear Sir:

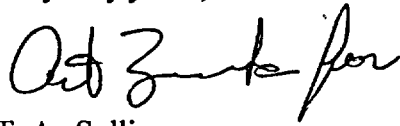
This letter and the associated attachment are being submitted to provide the In-Vessel Visual Inspection (IVVI) Summary Report for Refueling Outage 15 for the James A. Fitzpatrick Nuclear Power Plant (Commercial Service Date: July 28, 1975). The IVVI examinations were conducted inside the reactor pressure vessel (RPV) by General Electric Nuclear Energy (GENE) utilizing personnel certified and qualified to ASME Code Section XI, and the guidelines as outlined in the Boiling Water Reactor Vessel Internals Project's (BWRVIP) BWRVIP-03, Revision 4, Section 2, "General Procedures" and Section 2.5, "Generic Standards for Visual Examination of Reactor Pressure Vessel Internals Components, and Associated Repairs", Sub-section 4.0, "Personnel Training/Experience". Per the requirements of these documents, specific training was provided for all inspection personnel addressing plant specific procedural requirements, core shroud, core spray and jet pump configuration details, previous inspection results, inspection procedures, and any other pertinent information related to the IVVI inspections.

Attachment 1 provides a summary report for the IVVI examinations conducted during the plant's fall 2002 Refuel Outage (Reload 15/Cycle 16) and their results.

A047

Should you have any questions concerning this report, please direct them to Mr. Andrew Halliday at (315) 349-6055.

Very truly yours,



T. A. Sullivan
Vice President Operations

TAS:GB
Enclosure

cc: Regional Administrator
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Mr. Guy Vissing, Project Manager
Project Directorate 1
Division of Licensing Project Management
U.S. Nuclear Regulatory Commission
Mail Stop OWFN 8C2
Washington, DC 20555

Office of the Resident Inspector
James A. FitzPatrick Nuclear Power Plant
U.S. Nuclear Regulatory Commission
P.O. Box 136
Lycoming, NY 13093

Attachment 1
IVVI Summary Report (RO15)
James A. FitzPatrick Nuclear Power Plant

Components in BWRVIP Scope	Date or Frequency of Inspection	Inspection Method Used	Summarize the Following Information: Inspection Results, Repairs, Replacements, Re-inspections
Core Shroud	Fall 2002 (RO15)	EVT-1	<p>Re-inspected, per BWRVIP-76 Guidelines, accessible areas of Vertical Welds SV2B, SV5B, and SV8A; and Radial Ring Welds SV3A and SV3D. Relevant indications were only noted on the SV5B weld, as follows:</p> <p>SV5B ID and OD - There appear to be no discernable changes this outage (RO15) affecting the cracks length from the previous inspection in RO14; though one additional indication is noted on the ID CCW side of the weld approximately 1/2" long. This indication is in the vicinity of indications on the opposite side (OD) at the same location. Calculation No. JAF-CALC-NBS-04298 conservatively assumes and evaluates a through-wall condition and thus bounds and disposes the indications identified in RO-15.</p>
Core Spray Piping	Fall 2002 (RO15)	EVT-1	<p>Re-inspected accessible areas of all Loop "A" and "B" creviced and T-box-to-pipe welds; repair clamp welds at Loop "B" downcomer pipe; and rotating sample of pipe elbow upper/lower welds in Loop "A" (at 10 degrees downcomer), per BWRVIP-18 Guidelines. No relevant indications noted.</p>
Core Spray Sparger	Fall 2002 (RO15)	EVT-1 VT-1	<p>Re-inspected all T-box and end caps to sparger pipe welds at Loops "A", "B", "C", and "D". No relevant indications noted.</p> <p>Re-inspected sparger "C" and "D" nozzle welds, and supporting brackets at "A" and "B". No relevant indications noted.</p>
Standby Liquid Control (SLC) System	Fall 2002 (RO15)	EVT-2	<p>Performed Enhanced VT-2 on SLC nozzle-to-safe end weld during RPV System Leakage Test per BWRVIP-27 Guidelines. Test was "Accepted" with no leakage noted.</p>

Attachment 1
IVVI Summary Report (RO15)
James A. FitzPatrick Nuclear Power Plant

Components in BWRVIP Scope	Date or Frequency of Inspection	Inspection Method Used	Summarize the Following Information: Inspection Results, Repairs, Replacements, Re-inspections
Jet Pump	Fall 2002 (RO15)	EVT-1, VT-1, and VT-3	Completed inspection of Jet Pumps #5 and #6, and portions of Jet Pumps #19 and #20, per BWRVIP-41 and 48 Guidelines. No relevant indications noted.
Jet Pump Beams	Fall 2002 (RO15)	VT-1	Inspected Jet Pump Beams at JP #5, #6, #19, and at #20, at locations recommended by BWRVIP-41, and by latest industry operating experience. No relevant indications noted.
Control Rod Drive (CRD) Guide Tube	Fall 2002 (RO15)	EVT-1 and VT-3	Inspected accessible surfaces at 4 Guide Tubes per BWRVIP-47 Guidelines: No relevant indications noted.
Dry Tube	Fall 2002 (RO15)	VT-1	Re-inspected SRM Core Dry Tube 20-17 per GE SIL 409 and GE RICSIL-073 Guidelines. No relevant indications noted.
Instrument Penetrations	Fall 2002 (RO15)	VT-2	Performed a VT-2 ISI System Leakage Exam Test at 6 instrument nozzles (during RPV System Test) per BWRVIP-49 Guidelines. Test was "Accepted", no leakage noted.
Vessel ID Brackets	Fall 2002 (RO15)	EVT-1, VT-1, & VT-3	Inspected by EVT-1/VT-1, Jet Pump Riser Brace attachments (at JP #5/6 and #19/20); and inspected by EVT-1/VT-3, Feedwater Sparger Bracket Attachments (at all 8-locations), per BWRVIP-48 requirements. No relevant indications noted on these examinations.
Fuel Support Castings	Fall 2002 (RO15)	VT-3	Inspected accessible areas at four fuel support castings during in-process control rod blade change-out. No relevant indications noted.

Attachment 1
IVVI Summary Report (RO15)
James A. FitzPatrick Nuclear Power Plant

Components in BWRVIP Scope	Date or Frequency of Inspection	Inspection Method Used	Summarize the Following Information: Inspection Results, Repairs, Replacements, Re-inspections
Feedwater Sparger	Fall 2002 (RO15)	VT-3	Inspected Sparger pipe assembly at 45, 135, 225, and 315 degrees azimuth, sparger welds and end brackets, per NUREG 0619. No relevant indications noted.
		VT-1	Inspected Junction T-box welds and Nozzle Inner Radius (NIR) at 45, 135, 225, and 315 degrees azimuth per NUREG 0619. No relevant indications noted.