



January 20, 1995
JPN-95-001

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Station P1-137
Washington, DC 20555

Subject: James A. FitzPatrick Nuclear Power Plant
Docket No. 50-333
Core Shroud Inspection Results

- References:
1. NRC letter, "Intergranular Stress Corrosion Cracking of Core Shrouds in Boiling Water Reactors (Generic Letter 94-03)," dated July 25, 1994.
 2. NYPA letter, W. J. Cahill, Jr. to NRC (JPN-94-053), "Request for NRC Approval of the FitzPatrick Core Shroud Repair," dated October 21, 1994.

Dear Sir:

This letter transmits the results of the core shroud inspections performed during the current refueling outage at the James A. FitzPatrick Nuclear Power Plant. The submittal conforms with reporting requirement No. 3 in Generic Letter 94-03 (Reference 1).

The core shroud inspection results are presented in Attachment 1. The scope of the inspections performed exceeds that described in the inspection plan submitted to the NRC (Reference 2, Attachment 2). As shown in Attachment 1, the relevant indications detected are limited to minor intermittent planar flaws in the weld above and below the top guide support ring (welds H2 and H3).

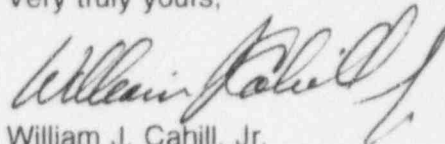
Attachment 2 provides the results of the top guide and core plate inspections that were performed in response to a General Electric Service Information Letter, dated November 22, 1994, advising of cracking observed in the same reactor components of a foreign plant.

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If you have any questions, please contact Ms. C. D. Faison.

Very truly yours,



William J. Cahill, Jr.
Chief Nuclear Officer
Nuclear Generation

**STATE OF NEW YORK
COUNTY OF WESTCHESTER**

Subscribed and sworn to before me

this 20 day of January 1995.

Barbara Ann Taggart

Notary Public

BARBARA ANN TAGGART
NOTARY PUBLIC, State of New York
No. 4851437
Qualified in Putnam County 96
Commission Expires Jan. 27, 19

Enclosure: Attachment 1, Core Shroud Inspection Results.
Attachment 2, Top Guide and Core Plate Inspection Results.

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

Mr. Eugene Carpenter, Project Manager
Project Directorate I-1
Division of Reactor Projects - I/II
U.S. Nuclear Regulatory Commission
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ATTACHMENT 1

Core Shroud Inspection Results James A. FitzPatrick Nuclear Power Plant

WELD I. D.	INSPECTION METHOD	TOTAL AREA INSPECTED	RESULTS
H2	UT	82% of total weld length.	Intermittent planar flaws less than 0.75 inches deep. Approximately 35 inches aggregate length.
H3	UT	82% of total weld length.	Two small planar flaws. 1.42 inches aggregate length.
H6a	UT	58% of total weld length.	No relevant indications.
H6b	UT	61% of total weld length.	No relevant indications.
H9	EVT-1	Two inches on each side of the ten gusset plates. Approximately 40 inches aggregate length.	No relevant indications.
Gusset plate welds	EVT-1	Accessible welds on both sides of the ten gusset plates. Approximately 463 inches aggregate length.	No relevant indications.

ATTACHMENT 1 (Continued)

Core Shroud Inspection Results
James A. FitzPatrick Nuclear Power Plant

WELD I. D.	INSPECTION METHOD	TOTAL AREA INSPECTED	RESULTS
SV2a	EVT-1*	37% of total weld length.	No relevant indications.
SV2b	EVT-1*	37% of total weld length.	No relevant indications.
SV3a	EVT-1*	100% of total weld length.	No relevant indications.
SV3b	EVT-1*	100% of total weld length.	No relevant indications.
SV3c	EVT-1*	100% of total weld length.	No relevant indications.
SV3d	EVT-1*	100% of total weld length.	No relevant indications.
SV3e	EVT-1*	100% of total weld length.	No relevant indications.
SV3f	EVT-1*	100% of total weld length.	No relevant indications.

* The EVT-1 examinations of the SV2 and SV3 welds were performed from the outside diameter of the shroud.

ATTACHMENT 1 (Continued)

Core Shroud Inspection Results
James A. FitzPatrick Nuclear Power Plant

WELD NO.	INSPECTION METHOD	TOTAL AREA INSPECTED	RESULTS
SV4a	UT	17% of total weld length.	No relevant indications.
SV4b	UT	17% of total weld length.	No relevant indications.
SV5a	UT	6% of total weld length.	No relevant indications.
SV5b	UT	6% of total weld length.	No relevant indications.
SV8b	EVT-1*	100% of total weld length.	No relevant indications.

Notes: H2, H3, H6a, H6b, and H9 are circumferential welds. The SV2, SV4, SV5, and SV8 welds are vertical welds. The SV3 welds are radial welds. See Drawing No. FV-26B submitted with Reference 2 for weld locations.

* Performed from the outside diameter of the shroud.

ATTACHMENT 2

Top Guide and Core Plate Inspection Results James A. FitzPatrick Nuclear Power Plant

AREA	INSPECTION METHOD	TOTAL AREA INSPECTED	RESULTS
Top Guide Wedges	VT-3	100% of wedges (24 wedges)	Acceptable
Top Guide Hold Down Bolts	VT-3	100% of bolts.	Acceptable
Top Guide Ring Weld	EVT-1	30% of total weld length.	Acceptable
Top Guide Hold Down Latch Bolts	VT-3	100% of bolts.	Acceptable
Top Guide Hold Down Plate Welds	EVT-1	None	Inaccessible
Core Support Plate Studs	VT-3	18 studs out of a total of 72.	Acceptable