

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

JAFP-08-0109 October 20, 2008

U.S. Nuclear Regulatory Commission Attn: Document Control Desk Washington, DC 20555

SUBJECT:

James A. FitzPatrick Nuclear Power Plant Docket No. 50-333 License No. DPR-59

Submittal of the Final Ultrasonic Test Results on the N2C-SE Weld Overlay

REFERENCES: 1) Entergy Letter to NRC, JAFP-08-0102, "James A. FitzPatrick Request for Relief (RR-7 Revision 1) - Proposed Alternative to ASME Code Requirements for Weld Overlay Repairs", dated October 1, 2008

Dear Sir or Madam:

Enclosure 2 of reference 1 documented commitments to submit to the NRC, within fourteen days of the completion of the final ultrasonic test (UT) on the weld overlay proposed in the subject relief request, the following:

- 1) Weld overlay examination results including a listing of indications detected;
- 2) Disposition of indications using the standards of ASME Section XI, Subsection IWB-3514-2 and/or IWB-3514-3 criteria and, if possible, the type and nature of the indications: and
- 3) A discussion of any repairs to the weld overlay material and/or base metal and the reason for the repairs.

In summary the weld overlay repair was performed to N-2C-SE per work order 00106631 and Relief Request RR-7. No repairs, to the weld overlay material and/or base material, were required. Ultrasonic Examination of the weld overlay was performed per ASME Appendix VIII requirements (see Enclosure 1). The examination identified no recordable indications and noted the original axial flaw as previously identified in the original examination. No indications required evaluation to ASME Section XI, Subsection IWB 3514-2 and/or IWB-3514-3 criteria.

Enclosure 1 of this letter contains a copy of the GE Hitachi Examination Summary, Report No. 08UT175.

There are no new commitment made in this letter and the final commitment made in reference 1 will be completed as scheduled.

JAFP-08-0109 Page 2 of 2

If you have any questions or require additional information, please contact Mr. Eugene Dorman, Acting Licensing Manager, at 315-349-6810.

Sincerely,

Eugene Dorman Acting Licensing Manager

ED/ed

cc:

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

Office of NRC Resident Inspector James A. Fitzpatrick Nuclear Power Plant P.O. Box 136 Lycoming, New York 13093

Mr. Paul Tonko, President New York State Energy Research and Development Authority 17 Columbia Circle Albany, New York 12203-6399 Mr. Bhalchandra Vaidya, Project Manager Plant Licensing Branch U.S. Nuclear Regulatory Commission Mail Stop O-8-C2A Washington, DC 20555

Mr. Charles Donaldson, Esquire Assistant Attorney General New York Department of Law 120 Broadway New York, New York 10271

Mr. Paul Eddy New York State Department of Public Services 3. Empire State Plaza Albany, New York 12223-1350

Enclosure 1 to JAF-08-0109

James A. Fitzpatrick Nuclear Power Station Docket No. 50-333

GE HITACHI EXAMINATION SUMMARY SHEET REPORT No. 08UT175

Site: Outage:		zpatrick RFO18	,							
System:	<u>-</u> 02-2		ASME C	Cat.:	B-F	ASME Item	B5.10	Aug Req	- N/A	
Exams Performed	Data Sheet	Col Sheet	· f	Procedui	re	Calibration B	Block	Exam / Oper. Personnel	Cert Level	Date
45° RL	D-106	N/A	ENN-N)F-9 29 \	/er/Rev 1	CAL-DPTH-(070	Scott Erickson		10/4/2008
ODCR RL	D-105	N/A			/er/Rev 1	CAL-DPTH-0	••	Scott Erickson	111	10/4/200
70° RL	D-104	N/A	ENN-ND	DE-9.29 \	/er/Rev 1	CAL-DPTH-0	070	Scott Erickson	m	10/4/200
0° Long.	D-103	N/A i	ENN-NC)E-9.29	/er/Rev 1	CAL-DPTH-0	070	Scott Erickson	111	10/4/200
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						•				
Examination	Results:		<u>.</u>					<u></u>		
	-					1				
During the Mo	anual Ultrasonic E	xamination of	the above re	eferenced	d component,	no new ISI or PSI reco	ordable indica	itions were detected	utilizing a 0°, 70°	RL, and ODC!
RL for the PSI	portion and 45° RI	L for the ISI po	rtion of the	exam.	·				-	
No change ob	oserved to the thru	ı-wall height (i	0.51") of prev	viously re	corded flaw p	rior to weld overlay re	epair.			
100% of the c	ode required volu	me was exam	ined.			1				
						denda and is in accor	rdance with A	ppendix VIII 2001 Ec	lition as amended	d and
mandated by	10CFR50 Amende	a kednitemet	nts, Final Rul	e aated C	october 1, 200	4				
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Examination	results were co	ompared to	Data Rep	bort	1 N/A	from:	N/A			Change
	results were co nations were p						N/A			
These examir	nations were p	erformed u	nder Work	Order:	00125	346		wing personnel-		Change No Change
These examir	nations were p	erformed u	nder Work	Order:	00125					
These examir	nations were p	erformed u	nder Work a sheets	Order:	00125	346		wing personnel: iv/6/vs	· · ·	No Change N/A
These examir	ary and the fo	erformed u	nder Work a sheets IQ	order: have be	00125	d and accented b			RWP:	No Change N/A
These examin This Summ Pourfe	ary and the fo	erformed u ollowing dat	nder Work a sheets IQ	order: have be	00125 een reviewer	d and accented b		10/6/08	RWP:	No Change N/A
These examin This Summ Pourfe	ary and the fo	erformed u ollowing dat	nder Work a sheets IQ	A Order: have be -4-99 hte:	00125 een reviewer	and accented b		10/6/08	RWP:	No Change N/A

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	itzpat RFO18	<u>rick / 1</u>					Report N Data She Linearity	eet Number:	<u>08UT175</u> <u>D-106</u> <u>L-007</u>			
Calibration	Data f	or Block: CA	L-DPTH-	070		Procedure:	ENN-NDE-	9.29				
 · · · · · · · · · · · · · · · · · · ·				-		Ver / Rev: <u>1</u>		DRR: <u>N/A</u>				
Si <u>SS</u> Materia	ıł	<u>FLAT</u> <u>2.0"</u> Size Thick	Calibro		ne	1	Searc	h Unit Data	· ·			
<u>Ultragel</u> Couplar		<u>06225</u> Couplant batch	Cal Cr Cal Cr	neck: <u>1252</u>		<u>RTD</u> Manufacturer:	<u>01-</u>	<u>107</u> Number	<u>2(8×14) mm/Rect.</u> Size/Shape:			
261732 Thermometer		<u>95° F</u> Cal Temp.	Final (<u>0.45</u>		<u>45°</u>	<u>45*</u>			
			1,,			Incident Point:	Norr	inal Angle:	Measured Angle:			
-		DAC Constru	iction			<u>2.0 MHz</u>	TRL2-Aus		-			
Scan Directio	n	<u>Ax</u>				Frequency:	Style:	Mod	e: Elements:			
Cal Reflector	ude:	.8" SDH				1	Search	Unit Cable				
¹ Signal Sweep		<u>80%</u> <u>5.40 Div</u>					-174 e Type:	<u>12</u> * . Length:	<u>0</u> Connectors:			
Signal dB:		27.1 dB										
Sweep 0-10 =	2.00	<u>0 in</u> <u>Metal P</u>	<u>ath</u>				Instrum	ent Settings	<u>i</u>			
		Calibration V					nametrics / El anufacturer/M		<u>031534305</u> Serial Number:			
7 FIG	Refle	lator Block S/N;	·· ·· ·····	-RHOM-117		7. 615 <u>µs</u>	<u>0.231</u> 8 ir	./µsec.	0.8 - 3.0			
- - -		ctor <u>NSD</u> litude 409	The sections	<u>N/A</u> <u>N/A</u>		Zero:	Velo	sity:	Narrowband Filter:			
	Gair	(dB) <u>27.1</u>		N/A			<u>Fullwave</u>	<u>2.000 in</u>	<u>Sq. / Max</u>			
	Swee	p (SD) <u>2.2</u>		<u>N/A</u>		1	ectification:	Range:	Pulser/Energy:			
Ac	ceptabl	e Linearity perform	ned: <u>9</u> /	/18/2008		400 Ohms Damping:	<u>0%</u> Reject:	<u>2.0 MH</u> Frequenc				
Exam Date	a for V	Weld: <u>N2C-SE</u>										
		WELD OVER				Exam Comments / Limitations:						
1 2 4		Configurati	on:			Exams performed to maintain a 5% to 20% noise level. PROBE FOCUSED AT 30mm FS 1						
Exam S		<u>120° F</u> Exam Ter		<u>261732</u> Exam Thermon	neter	TROBE 'C		Al SC	<i># # ' ' ' ' (0</i> "			
-												
Axial Circ	, 	UPST DNST	Scan dB	Recordable Indications	Exam							
<u>Ax</u>		UPST	<u>33.1</u>	<u>NRI</u>	<u>45°</u>							
Ax		<u>DNST</u>	<u>33.1</u>	<u>NRI</u>	<u>45°</u>							
<u>Circ</u>		<u>UPST</u>	<u>39.1</u>	NRI	<u>45°</u>	Exam Start:	<u>1252</u>	Exam End:	1314			
<u>Circ</u>		DNST	<u>39.1</u>	<u>NRI</u>	<u>45°</u>	0 0 0						
SRE		<u>Scott Erickson</u>		<u>iu</u>	ken	Johnson		10-4-	08			
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		<u>N/A</u>		<u>N/A</u>	Sam	1 an) 10	16/08				
Initials:	Examine				Utility Revie	Ω,	Dat	2:				
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Initial Cal/Ex	am Date	10/4/200	8		ANII Review		Dote	· /	Page <u>2</u> of <u>6</u>			

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						· · · · · · · · · · · · · · · · · · ·	Report NL Data Shee Linearity S	et Number:	<u>08UT175</u> <u>D-105</u> <u>L-007</u>
HITACHISite/Unit: $Fitzpatrick / 1$ Outage: $RFO18$ Calibration Data for Block: $CAL-DPTH-070$ Calibration Data for Block: $CAL-DPTH-070$ Material Size Thick Ultragel II Couplant: Couplant batch 261722 261722 261722 Thermometer S/N Cal Temp.Calibration Cali Tillital Cali 1111 261722 295' f Final Cali 261722 295' f Thermometer S/N Cal Temp.Calibration Cali Tillital Cali 1110 261722 295' f Final Cali 261722 295' f Thermometer S/N Cal Temp.Calibration Cali Tillital Cali 1100 261722DAC Construction Scan Direction 		Procedure:	ENN-NDE-9	.29	<u>.</u>				
				İ	ne	Ver/Rev:	• ••	RR: <u>N/A</u> Unit Data	
			Cal Check	c <u>1237</u>		RTD	<u>04-3</u>	<u>92</u>	2(10x15) mm/Rect.
				t <u>1251</u> <u>1407</u>		Manufacturer: 0.5		DCR	Size/Shape: <u>80</u> •
:	· .	DAC Constru	ction			Incident Point: 2.0 MHz	85°TRL2-Au	nal Angle: <u>st RL</u>	Measured Angle: <u>2</u>
1			۰.			Frequency:	Style: Search	Mode Unit Cable	e: Elements:
-					·		6-174 le Type:	<u>6'</u> Length:	<u>0</u> Connectors:
			<u>th</u> .	^		1 1 1	Instrume	nt Settings	
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4 	Ref	lector <u>NSDF</u>	<u> </u>	<u>//A</u>		<u>9.825 µs</u> Zero:	<u>0.2311 in.</u> Veloci	í <u>usec.</u>	<u>0.8 - 3.0</u> Narrowband Filter:
:		in (dB) <u>31.4</u>	<u> </u>	<u>//A</u>			<u>Fullwave</u> ectification:	<u>1,500 in</u> Range:	<u>Sq. / Max</u> Pulser/Energy:
			ed : <u>9/18/</u>	2008		<u>400 Ohms</u> Damping:	<u>0%</u> Reject:	<u>2.0 MHz</u> Frequenc	
Exam l	Data for	,	<u>AY</u>			<u>Ex</u>	am Commer	nts / Limita	tions:
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1		HITACHI			- I	lanual Piping			
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									<u>L-007</u>
<u></u>	Calibration Date	o for Block: <u>CA</u>	L-DPTH-	<u>070</u>		Procedure:	ENN-NDE-	<u>9.29</u>	
1	<u>ss</u>	<u>FLAT 2.0"</u>	Calibri	ation Cal Tin	ne	Ver / Rev: 1	<u>l</u>	DRR: <u>N/A</u>	· · · · · · · · · · · · · · · · · · ·
1	Material	Size Thick	Initial	. +		- -	Searc	h Unit Date	1
	<u>Ultragel II</u>	<u>06225</u>	Cal Ct			RTD	87-	296	2(8x14) mm/Rect.
. İ	Couplant: <u>261732</u>	Couplant batch <u>95° F</u>	Cal Ch	neck: <u>1236</u>	1	Manufacturer:		Number	Size/Shape:
	Thermometer S/N		Final (Cal: <u>1405</u>		<u>0.35</u>		<u>70°</u>	<u>70°</u>
•		DAC Constru	ection			Incident Point:	Norr	inal Angle:	Measured Angle:
1						2.0 MHz	70°TRL2-A		
1	ican Direction Cal Reflector	<u>Ax</u> .5" SDH				' Frequency:	Style:	Moc	
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÷.	iignal Sweep:	5.70 Div					5-174 le Type:	<u>12'</u> Length:	<u>0</u> Connectors:
5	ignal dB:	47.1 dB							
s	weep 0-10 = <u>2</u>	500 in Metal P	ath				Instrum	ent Setting	<u>s_</u>
-		Calibration V	erificati	on		Pa	nam <u>etrics / E</u>	och 4	031534305
1	Field Sin	nulator Block S/N:	CAL	-RHOM-117		м	anufacturer/M	lodel:	Serial Number:
:	Re	flector NSD		<u>N/A</u>		<u>9.275 µs</u>	<u>0.231 in</u>		<u>0.8 - 3.0</u>
	. Ап	plitude <u>809</u>	••••••••••••••••••••••••••••••••••••••	N/A		Zero:	Velo	Lity:	Narrowband Filter:
•	G	ain (dB) <u>47.</u>		<u>N/A</u>			Fullwave	<u>2.500 in</u>	<u>Sq. / Max</u>
	Sw	eep (SD) <u>3.8</u>		<u>N/A</u>	,	Rep Rote: R 400 Ohms	ectification: <u>0%</u>	Range: <u>2.</u> 0 MF	Pulser/Energy:
 	Accepto	ble Linearity perform	ned : <u>9</u> /	/18/2008		Damping:	Reject:	Frequer	
÷ 8	Exam Data for	Weld: <u>N2C-SE</u>							
,		WELD OVER						ents / Limit	
•		Configurati				Phase Fo		τ 25 ω 2	0% noise level n FS 7/10-6
1	<u>OD</u> Exam Surface	<u>120° F</u> e: Exam Tei		<u>261732</u> Exam Thermon	neter	KUBE IV			, , ,
	Axial	UPST	Scan dB	Recordable	Exam	•			
	Circ	DNST		Indications	Angle	-	•		
	<u>Ax</u>	UPST	<u>49.1</u>	<u>NRI</u>	<u>70°</u>	-		· ·	
	<u> </u>	<u>DNST</u> UPST	<u>49.1</u>	<u>NRI</u> NRI	<u>70°</u>	a tra a d'a chantaga mana a dia d'10. Mitt Na dananana			
•	<u>Circ</u>	DNST	<u>49.1</u> 49.1	<u>NRI</u>	<u>70°</u> 70°	Exam Start:	<u>1218</u>	´ Exam End	1235
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:		<u>N/A</u>	<u>I</u>	<u>v/A</u>	J. Com	- 1 Cin		0/08	
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	Initial Cal/Exam Do	ite: <u>10/4/200</u>	8		<i>IV</i>	tober	10	1/0	Page 4 of <u>6</u>
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	Site/Unit: <u>Fitzpatri</u> Outage: <u>RFO18</u>	<u>ck/1</u>					Report M Data Sh Linearity	eet Number:	<u>08UT175</u> <u>D-103</u> L-007				
	Calibration Data fo	r Block: <u>CAL</u>	DPTH-(<u>)70</u>		Procedure	ENN-NDE-	9.29					
·	<u>SS</u> F	LAT 2.0"	Calibro	ation Cal Tim		Ver / Rev:	1	DRR: <u>N/A</u>					
		Size Thick	Initial				Searc	h Unit Data					
	<u>Ultragel II</u>	<u>06225</u>	Cal Ct			КВА	01	031	.43"x.22"/Rnd.				
	Couplant: (2 <u>61732</u>	Couplant botch 95° F	Cal Ch	eck: <u>1217</u>		Manufacture	_	Number -	Size/Shape:				
	Thermometer S/N	Cal Temp.	Final	al: <u>1402</u>		<u>N/A</u>		<u>0°</u>	. <u>0°</u>				
		DAC Constru	ction			Incident Poir	nt: Non	ninal Angle:	Measured Angle:				
			<u>.</u>			2.0 MHz Frequency	r: Style:	<u>Lon</u> Mod					
	Scan Direction Cal Reflector	<u>Ax</u> . <u>5" SDH</u>				inequency		Unit Cable					
	Signal Amplitude:	<u>.5 5611</u> <u>80%</u>											
	Signal Sweep:	2.40 Div				4	<u>RG-174</u> able Type:	<u>12'</u> Length:	<u>0</u> Connectors:				
	Signal dB:	<u>37.6 dB</u>					······································	·····					
	Sweep 0-10 = 2.000	<u>in Metal Pa</u>	<u>ith</u>				Instrum	ent Settings	<u>i</u>				
	2	Calibration Ve	erificati	on		4	<u>Panametrics / E</u> Manufacturer/N		<u>031534305</u> Serial Number:				
	propulation and a sur-	tor Block S/N:		<u>RHOM-117</u>	•	<u>9.96 µs</u>	0.2283 ii		0.8 - 3.0 MHz				
~	Reflect			N/A	•	Zero:	Velo		Narrowband Filter:				
	Gain (c			<u>N/A</u> <u>N/A</u>		Auto	<u>Fullwave</u>	<u>2.000 in</u>	<u>Sq. / Max</u>				
	Sweep			<u>N/A</u>		Rep Rate:	Rectification:	Range:	Pulser/Energy:				
	Acceptoble	Linearity perform	ned : <u>9/</u>	18/2008	•	400 Ohms Damping:		2.0 MH. Frequen					
	Exam Data for W	eld: <u>N2C-SE</u>			• • • •	Damping. Reject. Frequency, Mode:							
		WELD OVER	LAY			,	Exam Comm	nments / Limitations:					
		Configuratio				Exams performed to maintain a 5% to 20% noise level.							
	<u>0D</u>	<u>120° F</u>		<u>261732</u>					, .				
	Exam Surface:	Exam Ten	np. 8	Exam Thermom	ieter				١				
	Axial Circ	UPST DNST	Scan dB	Recordable Indications	Exam Angle								
	Ax	<u>UPST</u>	<u>43.6</u>	<u>NRI</u>	<u>0°</u>								
	Ax	<u>DNST</u>	<u>43.6</u>	<u>NRI</u>	<u>0°</u>		·····						
		41 997	a. 1a.			Exam Start:	<u>1158</u>	Exam End:	1216				
	SRE SC	ott Erickson		<u></u>	Peal	6 Ruso	n II	. 10-4	-08				
	Initials: Examiner:		Le	vel: (GE Review	ed By:	Levi	el: Dote:					
		<u>N/A</u>	l	<u>v/a</u>	Sam	- 1 2	ر مر	16/08					
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Neld ID:	<u>N2C-</u>		- 4 0 1					awing		<u>KS-00</u>				1			<u>FL/</u> J Width		Thickn	ess:	2.0"						Exam Exam		<u>1252</u>		
Lo Locati		b Dec % of			on Leng				V Dista		d Overl				l Path			Circ		T			leight:	<u>N/A</u>			EXQIII	ENQ	<u>1314</u>	<u> </u>	
NO. L	Ised	DAC	<u>L1</u>		Max	L 2		W1	WM	1ax	W 2		MP 1	MP	Max	MP 2			Dnst							ments					
1	45	. 30	4		0	+.4		N/A	44.1	15*	N/A	1	.538	2.	.33	N/A	C	rc C	enterlin	eTWS= locatio	0.51" no on for fl	o chan law sig	ge in thi nal tip.	ru-wali s	ze from p	ne-WC	R exam	108010	61), *Trans	ducer	
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