Enclosure 7.b.1

of Attachment to

NLS2016076

GE Hitachi Nuclear	Energy								Report No.	SW-Z4-2851-7
Cooper Nuclear Sta			GE HI	TACHI				Date:	9/13/2016	
Refueling Outage - RE29		1		00)	i AOI II		- 1	UT/G	rid Procedure:	CNS 3.10.1 rev.1
Page 1 of	4	Illtra	sonic T	hickness	Mageura	mont Sv	etam	0170	na i roccaaro.	
		The Real Property lies and the least lies and the lies and the least lies and the lies and the least lies and the lies and t	12.54	IIICKIICSS	Level:	II	-	nt Tumo:	Olympus 38 [N. Plue
Examiner: Robert Examiner: N/A	Pinu //w	0	7		Level:	N/A	Instrume		161321906	DL Plus
Transducer Type:	D 700		Serial #:	7247		Size:	0.312"	Freq:	5 mhz	Angle: 0°
Transducer Cable		natrice I		5'	Couplan		Ultragel I		Batch No:	10325
Calibration Block T				Block N			L-STEP-		Batch No.	10020
Cambration Block	ypc. 0/0 00	op woog				RATION		100		
INSTRUMENT S	ETTINGS	Initial C	al. Time	The second of the second of	THE RESIDENCE OF THE PARTY OF T	n Checks		Final	Cal. Time	
Coarse Range:	2.000"		71110			ays, see C	omments	Tilla	oui. Time	
Gain: (db)	61	Calibra	ted Swee	p Range =	_	Inche		1.000"	Inches	
Gain. (ub)	01	Thermo		13080				82°	Block Temp:	82°
	-	-	THE RESERVE AND PERSONS ASSESSED.	nined/Loca	-	Comp. SW-Z4-28	AND DESCRIPTION OF THE PERSON NAMED IN	AND REAL PROPERTY.	Block Tellip.	02
,		-	ent Type		PIPE	344-24-20	31-770-		C. rata m.	sw
					PIPE				System:	
Red=Tscr Wall - 0.0		W/O Nu		5120799		Material:		/ A53	Surface:	Prepped
Green=Tscr Wall to			pe Size:			Tnom:	0.438"		Grid Size:	6.0"
Black=Tnom toTnor			. Wall:	0.303"		Min. Rea		0.127"	Rows:	6
Blue=Tnom x 120%		-	eading:	0.3	The water from the base of	Max. Rea	NAME AND ADDRESS OF	0.418"	Cols:	10
Less than or =	0.302 Location:	0.303 TDC	to	0.437	0.438	to	0.526	Great	er than or =	0.527
	A1 /		7	SW-	Z4-2	851-7				0.0 mr Total Exam Point 60 Min. Reading Loc 106 Velocity In/Out 2260
	B1 (5W-	\Z \-	FLOW	02					Note: Gridded and Examined looking Downstream in a Clockwise Direction
	A STATE OF THE STA				The second second				-116	Direction
	ection		ing Row	Ending		Wel			eld 2	Direction
	Main	C)1	06	3	U/S	D/S	U/S	D/S	Direction
U	Main /S Ext.	N)1 /A	06 N//) A	U/S N/A	D/S N/A	U/S N/A	D/S N/A	Direction
U,	Main /S Ext. /S Ext.	N N)1 /A /A	06 N// N//	S A A	U/S N/A Wel	D/S N/A d 3	U/S N/A W	D/S N/A eld 4	Direction
U. D.	Main /S Ext.	N N N)1 /A	06 N//	S A A A	U/S N/A	D/S N/A	U/S N/A	D/S N/A	Direction
U. D.	Main /S Ext. /S Ext. ranch nch Ext. grid, recorded complete, 0	N N N N d lowest r See SDS 9/12/201	old //A //A //A //A reading. Sheet. 6 Cal Tim	06 N// N// N// N//	A A A A A	U/S N/A Wel U/S N/A	D/S N/A d 3 D/S N/A	U/S N/A W U/S	D/S N/A eld 4 D/S	Direction
U, D, Bra COMMENTS: 100% Scan of each g Below-T-min reading	Main /S Ext. /S Ext. ranch nch Ext. grid, recorded complete, 0	N N N N d lowest r See SDS 9/12/201 9/13/2010	Parents of Cal Time	06 N// N// N// N// N// ees: 1321 C	A A A A al In 15:	U/S N/A Wel U/S N/A	D/S N/A d 3 D/S N/A	U/S N/A W U/S	D/S N/A eld 4 D/S N/A	13/2016 (73/2016

E Hitac	hi Nuclea	r Energy			-					File Nam	e: SW-Z4-2851	1-7
Cooper Nuclear Station			1		889	HITACHI			Date: 9/13/2016			
Refueling Outage RE29		Ultra	sonic Th	ickness	Measure	ment Sy	stem	Pa	ge 2 o	of 4		
	Α	В	С	D	E	F	G	Н	1	J		
1	0.360	0.345	0.393	0.411	0.418	0.388	0.364	0.335	0.340	0.377		
2	0.391	0.297	0.310	0.407	0.399	0.381	0.340	0.210	0.315	0.379		
3	0.386	0.365	0.386	0.389	0.408	0.393	0.329	0.334	0.197	0.372		
4 5	0.342 0.378	0.360	0.368	0.397 0.390	0.412 0.408	0.395	0.384	0.286 0.323	0.231 0.364	0.270 0.364		
6	0.383	0.296	0.377	0.398	0.407	0.388	0.383	0.329	0.127	0.380		
Ů	0.000	0.200	0.011	0.000	0.101	0.000	0.000	0.020		0.000		
	The second secon	Robert Pin	ti Kol	let g	Pint		Level		Date		9/13/2016	-
AND DESCRIPTION OF THE PARTY OF	nined by 1	64 - 1 - 10 - 10 - 10 - 10 - 10 - 10 - 10			. 1	, p) A	Level	N/A	Date		N/A	-
Povio	wed by	Robert Sc	ott Getz	Rela	t son	t pull	Level	11	Date		9/13/2016	

GE Hitachi Nucle	ear Energy
Cooper Nuclear	Station
Refueling Outag	e - RE29

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Report No.	SW-Z4-2851-7					
Date:	9/13/2016					
UT /Grid Procedure:	CNS 3.10.1 rev.1					
Component/Location	SW-Z4-2851-7 / C-882-S					

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Ultrasonic Thickness Supplemental Data Sheet

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COMMENTS:

#1 B02 reading 0.297" area 0.25", 6.5" from clamp, 11.75" from TDC clockwise with flow. #2 B06 reading 0.296 area 0.25", 32.0" from clamp, 10.5" from TDC clockwise with flow.

#3 H02 reading 0.210" area 1.0" X 0.75", 8.25" from clamp, 50.0" from TDC clockwise with flow.

#4 H04 reading 0.286 area 1.0" X 0.5", 25.5" from clamp, 53.0" from TDC clockwise with flow.

Examined by Robert Pinti Kolit Afficial	Level	11	Date	9/13/2016
Examined by N/A	Level	N/A	Date	N/A
Reviewed by: Robert Scott Getz Rolet Staff	Level	. II	Date	9/13/2016

GE Hitachi Nuclear Energy Cooper Nuclear Station Refueling Outage - RE29

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Ultrasonic Thickness Supplemental Data Sheet

Report No.	SW-Z4-2851-7				
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UT /Grid Procedure:	CNS 3.10.1 rev.1				
Component/Location	SW-Z4-2851-7 / C-882-S				









COMMENTS:

#5 IO3 reading 0.197" area 1.25" X 0.75", 13.5" from clamp, 58.0" from TDC clockwise with flow. #6 IO4 reading 0.231" area 1.25" X 0.5", 21.5" from clamp, 57.5" from TDC clockwise with flow. #7 I06 reading 0.127" area 1.5" X 1.25", 31.0" from clamp, 55.0" from TDC clockwise with flow. #8 J04 reading 0.270" area 0.25", 23.0" from clamp, 61.5" from TDC clockwise with flow.

Examined by Robert Pinti Rolat J Pint.	Leve	l II	Date	9/13/2016
Examined by N/A	Leve	I N/A	Date	N/A
Reviewed by: Robert Scott Getz Robert South	Bul Leve	l II	Date	9/13/2016