VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

September 3, 2020

United States Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D. C. 20555

Serial No.: 20-049A
NRA/DEA: R0
Docket Nos.: 50-338/339
License Nos.: NPF-4/7

VIRGINIA ELECTRIC AND POWER COMPANY
NORTH ANNA POWER STATION UNITS 1 AND 2
REVISED LICENSE RENEWAL COMMITMENT SUPPLEMENT
PRESSURIZER SURGE LINE WELDS INSPECTION FREQUENCY

By letter dated March 26, 2020, Virginia Electric and Power Company (Dominion Energy Virginia) requested NRC approval to revise the North Anna Units 1 and 2 pressurizer surge line welds inspection frequency from once every 40 months to once per 10-year inspection interval for the fifth and sixth ISI intervals.

The attachment to the March 26, 2020 letter included the flaw tolerance evaluation for the North Anna Units 1 and 2 pressurizer surge line welds, which was prepared by Structural Integrity Associates, Inc. The purpose of this supplemental letter is to further assist the NRC staff in their review of Dominion Energy Virginia's commitment change request. Accordingly, Attachments 1 and 2 provide the results of the last examinations performed on the Unit 1 and Unit 2 pressurizer surge line welds during refueling outages N1R25 (Fall 2016) and N2R26 (Spring 2018), respectively. There were no reportable indications identified as a result of the examinations.

If you have any questions or require additional information, please contact Ms. Diane E. Aitken at (804) 273-2694.

Respectfully,

Gerald T. Bischof
Senior Vice President – Nuclear Operations and Fleet Performance

Commitment made in this letter:
None

Attachments:
1. N1R25 Unit 1 Pressurizer Surge Line Welds Examination Results
2. N2R26 Unit 2 Pressurizer Surge Line Welds Examination Results

cc: U.S. Nuclear Regulatory Commission - Region II
Marquis One Tower
245 Peachtree Center Ave., NE Suite 1200
Atlanta, GA 30303-1257

NRC Senior Resident Inspector
North Anna Power Station

Mr. G. Edward Miller
NRC Senior Project Manager – North Anna
U.S. Nuclear Regulatory Commission
One White Flint North
Mail Stop 09 E-3
11555 Rockville Pike
Rockville, MD 20852-2738

Mr. Vaughn Thomas
NRC Project Manager – Surry
U.S. Nuclear Regulatory Commission
One White Flint North
Mail Stop 04 F-12
11555 Rockville Pike
Rockville, MD 20852-2738

Mr. Marcus Harris
Old Dominion Electric Cooperative
Innsbrook Corporate Center, Suite 300
4201 Dominion Boulevard
Glen Allen, Virginia 23060

Serial No.: 20-049A
Docket No.: 50-338

Attachment 1

N1R25 Unit 1 Pressurizer Surge Line Welds Examination Results

Virginia Electric and Power Company
(Dominion Energy Virginia)
North Anna Power Station Unit 1

Liquid Penetrant Examination

Dominion

Site/Unit:	NAPS / 1	Procedure:	ER-AA-NDE-PT-300	Outage No.:	N1R25
Summary No.:	N1.R1.11.310	Procedure Rev.:	7	Report No.:	PT-16-019
Workscope:	AUG	Work Order No.:	59102983133	Page:	1 of 1

Code:	2004 Edition	Cat./Item:	R-A/R1.11	Location:	C Loop
Drawing No.:	11715-WMKS-0109D	Description:	Nozzle to Pipe		
System ID:	RC				
Component ID:	11715-WMKS-0109D / 14-RC-10 / 37			Mat./Thickness:	SS / 1.3"
Limitations:	None				

Light Meter Mfg.:	N/A	Serial No.:	N/A	Illumination:	N/A
Temp. Tool Mfg.:	ATKINS	Serial No.:	07	Surface Temp.:	80 °F
Comparator Block Temp.:	Side A: N/A °F	Side B: N/A °F		Resolution:	0.044" Character Card
Lo/Wo Location:	N/A			Surface Condition:	Contour Ground

	Cleaner	Penetrant (Visible ☑ / Fluorescent ☐)	Remover	Developer
Brand	MAGNAFLUX	MAGNAFLUX	MAGNAFLUX	MAGNAFLUX
Type	SKC-S	SKL-SP2	SKC-S	SKD-S2
Batch No.	13M12K	12A08K	13M12K	13F19K
Time	Evap. 5 Min	Dwell 10 Min	Evap. 1 Min	Develop 10 Min

Time Exam Started: 0120 Time Exam Completed: 0201

Indication No.	Loc L	Loc W	Diameter	Length	Type R/L	Remarks
N/A						

Comments:
Flashligh use as illumination and Character Resolution Card Dom-2016-0001

Results: NRI ☑ RI ☐ Eval ☐

Percent Of Coverage Obtained > 90%: N/A Reviewed Previous Data: N/A

Examiner	Level III	Signature	Date	Reviewer		Signature	Date
Odegard, Jeffrey D			9/17/2016	Wayne Thomas Lv III			9/18/2016
Examiner	Level II	Signature	Date	Site Review		Signature	Date
Stevermer, Aaron J.			9/17/2016	Dennis Strickland Lv II			9/22/2016
Other	Level N/A	Signature	Date	ANII Review		Signature	Date
N/A					N/A		

UT Calibration/Examination

Dominion

Site/Unit:	NAPS / 1	Procedure:	ER-AA-NDE-UT-802	Outage No.:	N1R25
Summary No.:	N1.R1.11.310	Procedure Rev.:	4	Report No.:	UT-16-064
Workscope:	AUG	Work Order No.:	59102983133	Page:	1 of 4

Code:	2004 Edition	Cat./Item:	R-A/R1.11	Location:	C Loop
Drawing No.:	11715-WMKS-0109D	Description:	Nozzle to Pipe		
System ID:	RC				
Component ID:	11715-WMKS-0109D / 14-RC-10 / 37	Size/Length:	1.2" / 44.0"	Thickness/Diameter:	1.25" / 14.0"
Limitations:	Limited on nozzle side, see attached.	Start Time:	0211	Finish Time:	0243

Instrument Settings

Serial No.:	140723507		
Manufacturer:	Olympus		
Model:	EPOCH 600	Linearity:	L-16-020
Delay:	6.567 µs	Range:	4.000"
M'tl Cal/Vel:	0.1237 in/µs	Pulser:	Sqaure
Damping:	400 Ω	Reject:	0%
Rep. Rate:	Auto	Freq.:	2.25 Mhz
Filter:	0.5 - 4.0 Mhz	Mode:	Fullwave
Voltage:	400	Other:	N/A

Ax. Gain (dB): 10.0 Circ. Gain (dB): N/A

10 Screen Div. = 4.0 in. of Sound Path

Calibration Block

Cal. Block No. 10876

Thickness 2.25" Dia.: 0

Cal. Blk. Temp. 70° Temp. Tool: 07

Comp. Temp. 80° Temp. Tool: 07

Search Unit

Serial No.:	00H45N		
Manufacturer:	KBA		
Size:	0.50"	Model:	Comp-G
Freq.:	2.25 MHZ	Center Freq.:	N/A
Exam Angle:	45°	Squint Angle:	N/A
Measured Angle:	45°	Mode:	Shear
Exit Point	0.4"	# of Elements:	1
Config.:	Single	Focus:	N/A
Shape:	Round	Contour:	N/A
Wedge Style:	MSWQC		

Search Unit Cable

Type: RG 174 Length: 6' No. Conn.: 0

Scan Coverage

Upstream ☑ Downstream ☑ Scan dB: 28.0

CW ☑ CCW ☑ Scan dB: 28.0

Exam Surface: OD

Surface Condition: Ground

Cal. Checks	Time	Date
Initial Cal.	0001	9/17/2016
Inter. Cal.	0211	6/17/2016
Inter. Cal.	N/A	
Inter. Cal.	0243	9/17/2016
Final Cal.	0350	9/17/2016

Couplant

Cal. Batch: 12J066

Type: Sonotech

Mfg.: SONOTECH

Exam Batch: 12J066

Type: Sonotech

Mfg.: SONOTECH

Reference Block

Serial No.: 05-6535

Type: SS Rompus Block

Axial Oriented Search Unit

Calibration Reflector	Signal Amplitude %	Sweep Division	Sound Path
1.5" Notch	81%	5.3	2.111"

Circumferential Oriented Search Unit

Calibration Reflector	Signal Amplitude %	Sweep Division	Sound Path
N/A			

Reference/Simulator Block

Gain dB	Reflector	Signal Amplitude %	Sweep Division	Sound Path
10.0	FSDH	16%	2.6	1.073"

Recordable Indication(s): Yes ☐ No ☑ (If Yes, Ref. Attached Ultrasonic Indication Report.)

Results: NRI ☑ RI ☐ Geom ☐

Comments: None

Percent Of Coverage Obtained > 90%: Yes Reviewed Previous Data: Yes

Examiner	Level	II-PDI	Signature	Date	Reviewer	Signature	Date
Stevermer, Aaron J.				9/17/2016	Wayne Thomas Lv III		9/22/2016
Examiner	Level	N/A	Signature	Date	Site Review	Signature	Date
N/A					Dennis Strickland Lv II		9/22/2016
Other	Level	N/A	Signature	Date	ANII Review	Signature	Date
N/A					N/A		

UT Calibration/Examination

Dominion

Site/Unit:	NAPS / 1	Procedure:	ER-AA-NDE-UT-802	Outage No.:	N1R25
Summary No.:	N1.R1.11.310	Procedure Rev.:	4	Report No.:	UT-16-064
Workscope:	AUG	Work Order No.:	59102983133	Page:	2 of 4

Code: 2004 Edition | Cat./Item: R-A/R1.11 | Location: C Loop

Drawing No.: 11715-WMKS-0109D | Description: Nozzle to Pipe

System ID: RC

Component ID: 11715-WMKS-0109D / 14-RC-10 / 37 | Size/Length: 1.2" / 44.0" | Thickness/Diameter: 1.25" / 14.0"

Limitations: Limited on nozzle side, see attached. | Start Time: 0244 | Finish Time: 0306

Instrument Settings

Serial No.: 140723507
Manufacturer: Olympus
Model: EPOCH 600 | Linearity: L-16-020
Delay: 8.200 µs | Range: 5.00"
M'tl Cal/Vel: 0.1237 in/µs | Pulser: Square
Damping: 400 Ω | Reject: 0%
Rep. Rate: Auto | Freq.: 2.25 Mhz
Filter: 0.5 - 4.0 Mhz | Mode: Fullwave
Voltage: 400 | Other: N/A

Ax. Gain (dB): 30.5 | Circ. Gain (dB): N/A

10 Screen Div. = 5.0 in. of Sound Path

Calibration Block

Cal. Block No. 10876
Thickness 2.25" | Dia.: 0
Cal. Blk. Temp. 70° | Temp. Tool: 07
Comp. Temp. 80° | Temp. Tool: 07

Search Unit

Serial No.: 00F1DF
Manufacturer: KBA
Size: 0.50" | Model: Comp-G
Freq.: 2.25 MHZ | Center Freq.: 2.25 Mhz
Exam Angle: 60° | Squint Angle: N/A
Measured Angle: 60° | Mode: Shear
Exit Point 0.45" | # of Elements: 1
Config.: Single | Focus: NA
Shape: Round | Contour: N/A
Wedge Style: MSWQC

Search Unit Cable

Type: RG 174 | Length: 6' | No. Conn.: 0

Scan Coverage

Upstream ☑ | Downstream ☑ | Scan dB: 36.5
CW ☐ | CCW ☐ | Scan dB: N/A
Exam Surface: OD
Surface Condition: Ground

Cal. Checks	Time	Date
Initial Cal.	0010	9/17/2016
Inter. Cal.	0244	9/17/2016
Inter. Cal.	N/A	
Inter. Cal.	0306	9/17/2016
Final Cal.	0352	9/17/2016

Couplant

Cal. Batch: 12J066
Type: Sonotech
Mfg.: SONOTECH
Exam Batch: 12J066
Type: Sonotech
Mfg.: SONOTECH

Reference Block

Serial No.: 05-6535
Type: SS Rompus Block

Axial Oriented Search Unit

Calibration Reflector	Signal Amplitude %	Sweep Division	Sound Path
1.5" Notch	82%	5.4	2.704"

Circumferential Oriented Search Unit

Calibration Reflector	Signal Amplitude %	Sweep Division	Sound Path
N/A			

Reference/Simulator Block

Gain dB	Reflector	Signal Amplitude %	Sweep Division	Sound Path
30.5	NSDH	86%	1.4	0.693"

Recordable Indication(s): Yes ☐ No ☑ (If Yes, Ref. Altached Ultrasonic Indication Report.)

Results: NRI ☑ RI ☐ Geom ☐

Comments: None

Percent Of Coverage Obtained > 90%: Yes | Reviewed Previous Data: Yes

Examiner	Level II-PDI	Signature	Date	Reviewer		Signature	Date
Stevermer, Aaron J.			9/17/2016	Wayne Thomas Lv III			9/22/2016
Examiner	Level N/A	Signature	Date	Site Review		Signature	Date
N/A				Dennis Strickland Lv II			9/22/2016
Other	Level N/A	Signature	Date	ANII Review		Signature	Date
N/A				N/A			

Supplemental Report

Dominion

Report No.: UT-16-064

Page: 3 of 4

Summary No.: N1.R1.11.310

Examiner: Stevermer, Aaron J. — Level: II-PDI — Reviewer: W.L. THOMAS LEVEL III — Date: 9.22.16

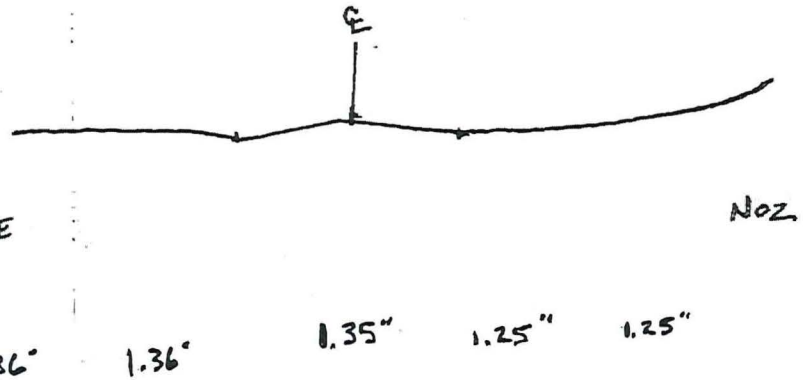
Examiner: N/A — Level: N/A — Site Review: DENNIS P. STRICKLAND LVL II — Date: 9/22/2016

Other: N/A — Level: N/A — ANII Review: N/A — Date:

Comments:

FLOW

Sketch or Photo:

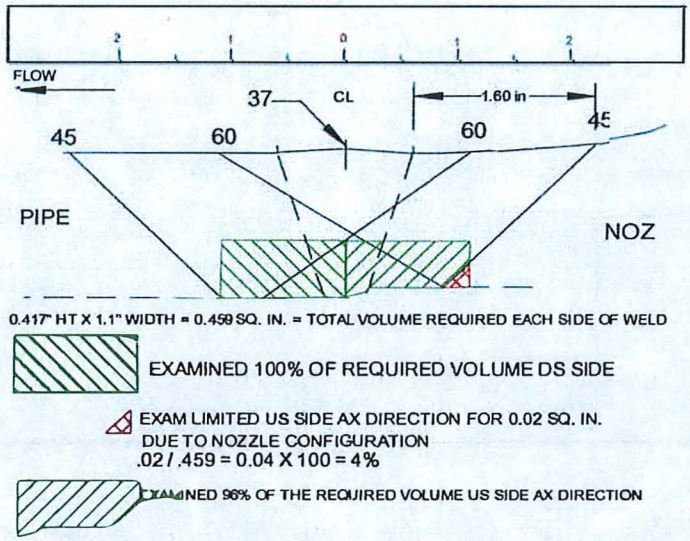


Additional - Supplemental Data

Dominion®

Report No: UT-16-064
Summary # N1.R1.11.310
Pg. 4 of 4
Prepared by: W. Thomas L6V III
Date: 9/22/2016

Weld Number	37	Weld Length	44"
Thickness	1.25"	Weld Width	1.2"



Examination Volume Dimensions - Height 0.417" Length 44" Width 2.2"

Coverage Summary				
	Required Scans (each has a weighing factor of 100 for complete coverage)			
ANGLE	UpSt-Ax	UpSt-Circ	DnSt-Ax	DnSt-Circ
45/60	96%	100%	100%	100%
100+100+100+96=396/400=99			Code Coverage Total	99%
			* Best Effort Coverage (Max 25%) Total	N/A

Notes:

1) Code Coverage refers to the maximum percentage of the required examination volume that is effectively examined with the qualified examination procedure.
2) Best Effort Coverage refers to the required examination volume past the weld centerline that is examined in the axial beam direction with an Appendix VIII demonstrated procedure for single sided coverage.

DENNIS R. STRICKLAND LVII 9/22/2016

UT Calibration/Examination

Dominion

Site/Unit:	NAPS / 1	Procedure:	ER-AA-NDE-UT-700	Outage No.:	N1R25
Summary No.:	N1.R1.20.101	Procedure Rev.:	0	Report No.:	UT-16-086
Workscope:	ISI	Work Order No.:	59102983133	Page:	1 of 3

Code:	2004 Edition	Cat./Item:	R-A/R1.20	Location:	C-LOOP
Drawing No.:	11715-WMKS-0109G-2	Description:	PIPE-WELDOLET		
System ID:	RC				
Component ID:	11715-WMKS-0109G-2 / 29-RC-7 / SW-31	Size/Length:	2.5" / 80"	Thickness/Diameter:	3.20" / 29"
Limitations:	See attached.	Start Time:	1025	Finish Time:	1048

Instrument Settings

Serial No.:	140723507		
Manufacturer:	Olympus		
Model:	EPOCH 600	Linearity:	L-16-020
Delay:	13.830 µs	Range:	7.200"
M'tl Cal/Vel:	0.2330 in/µs	Pulser:	Square
Damping:	400 Ω	Reject:	0%
Rep. Rate:	Auto	Freq.:	1.0 Mhz
Filter:	0.2 - 1.2 Mhz	Mode:	Fullwave
Voltage:	400	Other:	N/A

Ax. Gain (dB): 60.0 Circ. Gain (dB): N/A

10 Screen Div. = 7.20 in. of Sound Path

Calibration Block

Cal. Block No. VGB-33

Thickness 2.580" Dia.: 0

Cal. Blk. Temp. 71° Temp. Tool: 1076BGCY

Comp. Temp. 83° Temp. Tool: 1076BGCY

Search Unit

Serial No.:	021N2J		
Manufacturer:	KBA		
Size:	1.0"	Model:	Comp-G
Freq.:	1.0 MHZ	Center Freq.:	N/A
Exam Angle:	45°	Squint Angle:	N/A
Measured Angle:	45°	Mode:	Longitudinal
Exit Point	0.90"	# of Elements:	1
Config.:	Single	Focus:	F.D. - 2.44"
Shape:	Round	Contour:	N/A

Wedge Style: SWS

Search Unit Cable

Type: RG-174 Length: 6' No. Conn.: 0

Scan Coverage

Upstream ☑ Downstream ☐ Scan dB: 66.0

CW ☑ CCW ☑ Scan dB: 66.0

Exam Surface: OD

Surface Condition: Contour Ground

Recordable Indication(s): Yes ☐ No ☑ (If Yes, Ref. Attached Ultrasonic Indication Report.)

Results: NRI ☑ RI ☐ Geom ☐

Percent Of Coverage Obtained > 90%: No Reviewed Previous Data: N/A

Cal. Checks	Time	Date
Initial Cal.	0700	9/20/2016
Inter. Cal.	1025	9/20/2016
Inter. Cal.	N/A	
Inter. Cal.	1048	9/20/2016
Final Cal.	1142	9/20/2016

Couplant

Cal. Batch: 12J066

Type: Sonotech

Mfg.: SONOTECH

Exam Batch: 12J066

Type: Sonotech

Mfg.: SONOTECH

Reference Block

Serial No.: 05-6533

Type: SS Rompus Block

Axial Oriented Search Unit

Calibration Reflector	Signal Amplitude %	Sweep Division	Sound Path
ID Notch	80%	5.0	3.600"

Circumferential Oriented Search Unit

Calibration Reflector	Signal Amplitude %	Sweep Division	Sound Path
N/A			

Reference/Simulator Block

Gain dB	Reflector	Signal Amplitude %	Sweep Division	Sound Path
50.0	FSDH	85%	1.5	1.060"

Comments: Search unit #2 of tandem unit SN - 021N29. Tandem wedge SN - 389-078-510.

Examiner	Level	Signature	Date	Reviewer		Signature	Date
Fuechtmann, Gary P	II-PDI		9/20/2016	W.L. THOMAS	LEV. III		9-22-16
Examiner	Level	Signature	Date	Site Review		Signature	Date
Popp, Darrell J.	II-PDI		9/20/2016	DENNIS P. STRICKLAND	LEVII		9/23/2016
Other	Level	Signature	Date	ANII Review		Signature	Date
N/A	N/A						9/29/16

Supplemental Report

Dominion

Report No.: UT-16-086

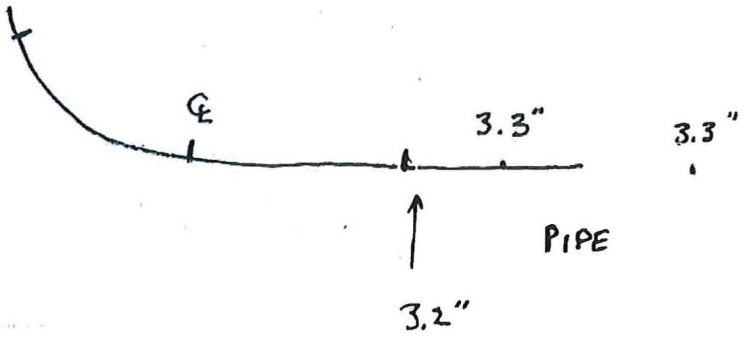
Page: 2 of 3

Summary No.: N1.R1.20.101

Examiner:	Fuechtmann, Gary P		Level:	II-PDI	Reviewer:	W.L. THOMAS LEVEL III	Date: 09-22-16
Examiner:	Popp, Darrell J.	DP	Level:	II-PDI	Site Review:	DENNIS P. STRICKLAND LEVEL III	Date: 9/28/2016
Other:	N/A		Level:	N/A	ANII Review:		Date: 9/29/16

Comments:

Sketch or Photo:

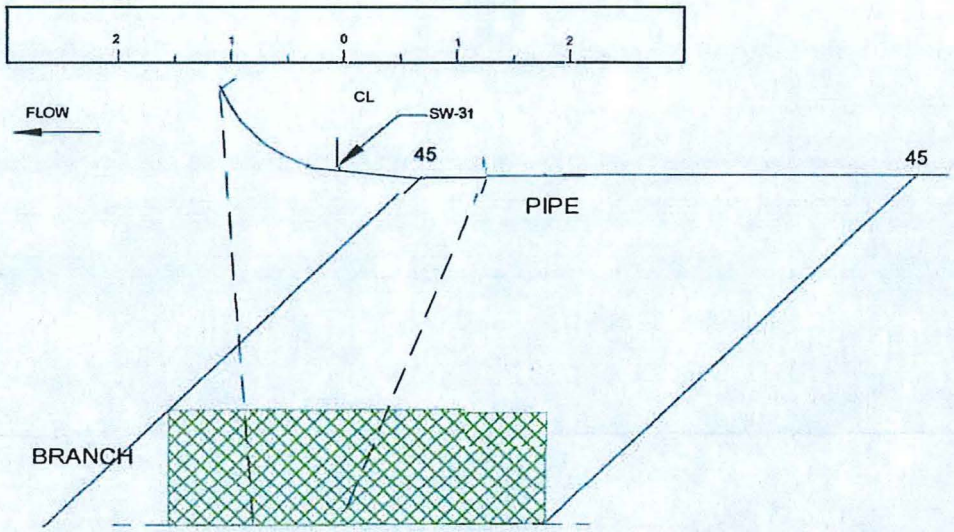


Additional - Supplemental Data

Dominion®

Report No: UT-16-086
Summary # N1.R1.20.101
Pg. 3 of 3
Prepared by: W. Thomas LEVEL II
Date: 9/22/2016

Weld Number	SW-31	Weld Width	2.5"
Thickness	3.2"	Weld Length	80"



EXAMINED 100% OF THE REQUIRED VOLUME AXIAL DIRECTION
NO CIRC EXAM BRANCH SIDE

Examination Volume Dimensions - Height 1.07" Length 80" Width 3.5"

Coverage Summary				
	Required Scans (each has a weighing factor of 100 for complete coverage)			
ANGLE	UpSt-Ax	UpSt-Circ	DnSt-Ax	DnSt-Circ
45	100%	100%	100%	0%
			Code Coverage Total	75%
100+100+100+0=300/400=75			* Best Effort Coverage (Max 25%) Total	N/A

Notes:

1) Code Coverage refers to the maximum percentage of the required examination volume that is effectively examined with the qualified examination procedure.
2) Best Effort Coverage refers to the required examination volume past the weld centerline that is examined in the axial beam direction with an Appendix VIII demonstrated procedure for single sided coverage.

☑ Reviewed
☐ Witnessed

9531
HSB GS

DONNIE A STRICKLAND III 9/23/2016

Liquid Penetrant Examination

Dominion

Site/Unit:	NAPS / 1	Procedure:	ER-AA-NDE-PT-300	Outage No.:	N1R25
Summary No.:	N1.R1.20.101	Procedure Rev.:	7	Report No.:	PT-16-023
Workscope:	AUG	Work Order No.:	59102983133	Page:	1 of 1

Code: 2004 Edition Cat./Item: R-A/R1.20 Location: C-LOOP

Drawing No.: 11715-WMKS-0109G-2 Description: PIPE-WELDOLET

System ID: RC

Component ID: 11715-WMKS-0109G-2 / 29-RC-7 / SW-31 Mat./Thickness: SS / 3.20"

Limitations: None

Light Meter Mfg.: N/A Serial No.: N/A Illumination: N/A

Temp. Tool Mfg.: AEMC Instruments Serial No.: 1076BGCY Surface Temp.: 83 °F

Comparator Block Temp.: Side A: N/A °F Side B: N/A °F Resolution: 0.044" Character Card

Lo/Wo Location: N/A Surface Condition: Ground

	Cleaner	Penetrant (Visible ☑ / Fluorescent ☐)	Remover	Developer
Brand	MAGNAFLUX	MAGNAFLUX	MAGNAFLUX	MAGNAFLUX
Type	SKC-S	SKL-SP2	SKC-S	SKD-S2
Batch No.	15J10K	12A08K	15J10K	14K04K
Time	Evap. 3 Min.	Dwell 10 Min.	Evap. 2 Min.	Develop 10 Min.

Time Exam Started: 0935 Time Exam Completed: 1020

Indication No.	Loc L	Loc W	Diameter	Length	Type R/L	Remarks
N/A						

Comments:
Used flashlight for illumination.
Character Resolution Card: DOM-2016-0163.

Results: NRI ☑ RI ☐ Eval ☐ N/A

Percent Of Coverage Obtained > 90%: N/A Reviewed Previous Data: N/A

Examiner Shelton, James R.	Level II	Signature James R. Shelton	Date 9/20/2016	Reviewer N/A		Signature	Date
Examiner Thompson, Brenton R.	Level II	Signature	Date 9/20/2016	Site Review LVII DENNIS P. STRICKLAND		Signature	Date 9/23/2016
Other N/A	Level N/A	Signature	Date	ANII Review NA		Signature	Date

Serial No.: 20-049A
Docket No.: 50-339

Attachment 2

N2R26 Unit 2 Pressurizer Surge Line Welds
Examination Results

Virginia Electric and Power Company
(Dominion Energy Virginia)
North Anna Power Station Unit 2

UT Calibration/Examination

Dominion

Site/Unit:	NAPS / 2	Procedure:	ER-AA-NDE-UT-706	Outage No.:	N2R26
Summary No.:	N2.R1.11.314	Procedure Rev.:	1	Report No.:	UT-19 -072
Workscope:	ISI	Work Order No.:	59203136641	Page:	1 of 1

Code: 2004 Edition | Cat./Item: R-A/R1.11 | Location: C-LOOP

Drawing No.: 12050-WMKS-0109D | Description: Weldolet to Elbow

System ID: RC

Component ID: 12050-WMKS-0109D / 14-RC-410 / 3 | Size/Length: 1.30" / 43.75" | Thickness/Diameter: 1.406" / 14.0"

Limitations: None | Start Time: 2239 | Finish Time: 2254

Instrument Settings

Serial No.: 140723807
Manufacturer: Olympus
Model: EPOCH 600 | Linearity: L-16-001
Delay: 9.851 µs | Range: 2.0"
M'tl Cal/Vel: 0.2270 in/µs | Pulser: Square
Damping: 400 Ω | Reject: 0%
Rep. Rate: Auto | Freq.: 2.0 Mhz
Filter: 0.5 - 4.0 | Mode: Fullwave
Voltage: 400 | Other: N/A

Ax. Gain (dB): 38 | Circ. Gain (dB): N/A
1 Screen Div. = 0.20 in. of Sound Path

Calibration Block

Cal. Block No.: Part under test
Thickness: 1.406" | Dia.: 14.0"
Cal. Blk. Temp.: 72° | Temp. Tool: ATK-2
Comp. Temp.: 80° | Temp. Tool: ATK-2

Search Unit

Serial No.: 57461-52980
Manufacturer: G E
Size: 3.5X10mm | Model: MSEB2
Freq.: 2.0 MHZ | Center Freq.: N/A
Exam Angle: 0° | Squint Angle: N/A
Measured Angle: N/A | Mode: Longitudinal
Exit Point: N/A | # of Elements: 2
Config.: Dual | Focus: N/A
Shape: Round | Contour: Flat
Wedge Style: N/A

Search Unit Cable

Type: RG 174 | Length: 6' | No. Conn.: 0

Scan Coverage

Upstream ☐ Downstream ☑ Scan dB: 50
CW ☐ CCW ☐ Scan dB: N/A
Exam Surface: OD
Surface Condition: Smooth

Recordable Indication(s): Yes ☐ No ☑ (If Yes, Ref. Attached Ultrasonic Indication Report.)

Results: NRI ☑ RI ☐ Geom ☐

Percent Of Coverage Obtained > 90%: Yes | Reviewed Previous Data: N/A

Cal. Checks	Time	Date
Initial Cal.	2032	3/8/2019
Inter. Cal.	2239	3/8/2019
Inter. Cal.	N/A	
Inter. Cal.	2254	3/8/2019
Final Cal.	2349	3/8/2019

Couplant

Cal. Batch: 17F087
Type: Sonotech
Mfg.: Sonotech
Exam Batch: 17F087
Type: Sonotech
Mfg.: Sonotech

Reference Block

Serial No.: 08-7832
Type: 2.0" SS Step Wedge

Axial Oriented Search Unit

Calibration Reflector	Signal Amplitude %	Sweep Division	Sound Path
Backwall	80	7.0	1.416"

Circumferential Oriented Search Unit

Calibration Reflector	Signal Amplitude %	Sweep Division	Sound Path
N/A			

Reference/Simulator Block

Gain dB	Reflector	Signal Amplitude %	Sweep Division	Sound Path
38	1.0	80	5	1.00"
38	2.0	45	10	2.00"

Comments: Lamination Scan.
See UT-19-073 for angle beam inspection.

Examiner	Level	Signature	Date	Reviewer	LEV III	Signature	Date
Wertman, Justin	II-PDI		3/8/2018	W.L. THOMAS			3.10.19
Examiner	Level	Signature	Date	Site Review	LV II	Signature	Date
N/A	N/A			DENNIS P. STRICKLAND			3/22/2019
Other	Level	Signature	Date	ANII Review		Signature	Date
N/A	N/A						3/23/19

UT Calibration/Examination

Dominion

Site/Unit:	NAPS / 2	Procedure:	ER-AA-NDE-UT-802	Outage No.:	N2R26
Summary No.:	N2.R1.11.314	Procedure Rev.:	5	Report No.:	UT-19 -073
Workscope:	ISI	Work Order No.:	59203136641	Page:	1 of 5

Code:	2004 Edition	Cat./Item:	R-A/R1.11	Location:	C-LOOP
Drawing No.:	12050-WMKS-0109D	Description:	Weldolet to Elbow		
System ID:	RC				
Component ID:	12050-WMKS-0109D / 14-RC-410 / 3	Size/Length:	1.25" / 44.0"	Thickness/Diameter:	1.406" / 14.0"
Limitations:	Single sided due to weld-o-let. See attached	Start Time:	1258	Finish Time:	1313

Instrument Settings

Serial No.:	140723807		
Manufacturer:	Olympus		
Model:	EPOCH 600	Linearity:	L-19 -001
Delay:	6.611	Range:	4.00
M'tl Cal/Vel:	0.1230	Pulser:	Square
Damping:	400	Reject:	0
Rep. Rate:	Auto	Freq.:	2.25
Filter:	0.5-4.0	Mode:	FW
Voltage:	400	Other:	N/A

Ax. Gain (dB): 13.0 Circ. Gain (dB): N/A

10 Screen Div. = 4.00 in. of Sound Path

Calibration Block

Cal. Block No.: 05-8514

Thickness: 2.25" Dia.: 0

Cal. Blk. Temp.: 71 Temp. Tool: ATK-2

Comp. Temp.: 86 Temp. Tool: ATK-2

Search Unit

Serial No.:	01CXBL		
Manufacturer:	KBA		
Size:	0.5"	Model:	Comp-G
Freq.:	2.25 MHZ	Center Freq.:	N/A
Exam Angle:	45	Squint Angle:	N/A
Measured Angle:	45	Mode:	Shear
Exit Point	0.20	# of Elements:	1
Config.:	Single	Focus:	N/A
Shape:	Round	Contour:	Flat
Wedge Style:	MSWQC		

Search Unit Cable

Type: RG 174 Length: 6 No. Conn.: 0

Scan Coverage

Upstream ☐ Downstream ☑ Scan dB: 25.0

CW ☑ CCW ☑ Scan dB: 25.0

Exam Surface: OD

Surface Condition: Ground Smooth

Cal. Checks	Time	Date
Initial Cal.	1015	3/9/2019
Inter. Cal.	1258	3/9/2019
Inter. Cal.	N/A	
Inter. Cal.	1313	3/9/2019
Final Cal.	1559	3/9/2019

Couplant

Cal. Batch:	17F087
Type:	Sonotech
Mfg.:	Sonotech
Exam Batch:	17F087
Type:	Sonotech
Mfg.:	Sonotech

Reference Block

Serial No.: 05-6533

Type: SS Rompus Block

Axial Oriented Search Unit

Calibration Reflector	Signal Amplitude %	Sweep Division	Sound Path
1.50" Notch	80	5.3	2.11"

Circumferential Oriented Search Unit

Calibration Reflector	Signal Amplitude %	Sweep Division	Sound Path
N/A			

Reference/Simulator Block

Gain dB	Reflector	Signal Amplitude %	Sweep Division	Sound Path
13.0	SDH	22	2.6	1.054

Recordable Indication(s): Yes ☐ No ☑ (If Yes, Ref. Attached Ultrasonic Indication Report.)

Results: NRI ☑ RI ☐ Geom ☐

Comments: None

Percent Of Coverage Obtained > 90%: No Reviewed Previous Data: N/A

Examiner	Level II PDI	Signature	Date	Reviewer	LEV III	Signature	Date
Johnson, Jeffrey M.			3/9/2019	W.L. THOMAS			3.10.19
Examiner	Level II PDI	Signature	Date	Site Review	LVL	Signature	Date
Zollner, Brian D			3/9/2019	DENNIS P. STRICKLAND			3/22/2019
Other	Level N/A	Signature	Date	ANII Review		Signature	Date
N/A							3/23/19

UT Calibration/Examination

Dominion

Site/Unit:	NAPS / 2	Procedure:	ER-AA-NDE-UT-802	Outage No.:	N2R26
Summary No.:	N2.R1.11.314	Procedure Rev.:	5	Report No.:	UT-19 -073
Workscope:	ISI	Work Order No.:	59203136641	Page:	2 of 5

Code:	2004 Edition	Cat./Item:	R-A/R1.11	Location:	C-LOOP
Drawing No.:	12050-WMKS-0109D	Description:	Weldolet to Elbow		
System ID:	RC				
Component ID:	12050-WMKS-0109D / 14-RC-410 / 3	Size/Length:	1.25" / 44.0"	Thickness/Diameter:	1.406" / 14.0"
Limitations:	Single sided due to weld-o-let. See attached.	Start Time:	1314	Finish Time:	1328

Instrument Settings

Serial No.:	140723807		
Manufacturer:	Olympus		
Model:	EPOCH 600	Linearity:	L-19 -001
Delay:	8.311	Range:	5.00
M'tl Cal/Vel:	0.1230	Pulser:	Square
Damping:	400	Reject:	0
Rep. Rate:	Auto	Freq.:	2.25
Filter:	0.5-4.0	Mode:	FW
Voltage:	400	Other:	N/A

Ax. Gain (dB): 30.0 Circ. Gain (dB): N/A

10 Screen Div. = 5.00 in. of Sound Path

Calibration Block

Cal. Block No. 05-8514

Thickness 2.25" Dia.: 0

Cal. Blk. Temp. 71 Temp. Tool: ATK-2

Comp. Temp. 86 Temp. Tool: ATK-2

Recordable Indication(s): Yes ☐ No ☑

Results: NRI ☑ RI ☐ Geom ☐

Search Unit

Serial No.:	00F1DL		
Manufacturer:	KBA		
Size:	0.50"	Model:	Comp-G
Freq.:	2.25 MHZ	Center Freq.:	N/A
Exam Angle:	60	Squint Angle:	N/A
Measured Angle:	60	Mode:	Shear
Exit Point	0.30	# of Elements:	1
Config.:	Single	Focus:	N/A
Shape:	Round	Contour:	Flat
Wedge Style:	MSWQC		

Search Unit Cable

Type: RG 174 Length: 6 No. Conn.: 0

Scan Coverage

Upstream ☐ Downstream ☑ Scan dB: 42.0

CW ☑ CCW ☑ Scan dB: 42.0

Exam Surface: OD

Surface Condition: Ground Smooth

(If Yes, Ref. Attached Ultrasonic Indication Report.)

Cal. Checks	Time	Date
Initial Cal.	1034	3/9/2019
Inter. Cal.	1314	3/9/2019
Inter. Cal.	N/A	
Inter. Cal.	1328	3/9/2019
Final Cal.	1601	3/9/2019

Couplant

Cal. Batch:	17F087
Type:	Sonotech
Mfg.:	Sonotech
Exam Batch:	17F087
Type:	Sonotech
Mfg.:	Sonotech

Reference Block

Serial No.:	05-6533
Type:	SS Rompus Block

Axial Oriented Search Unit

Calibration Reflector	Signal Amplitude %	Sweep Division	Sound Path
1.50" Notch	80	5.3	2.634

Circumferential Oriented Search Unit

Calibration Reflector	Signal Amplitude %	Sweep Division	Sound Path
N/A			

Reference/Simulator Block

Gain dB	Reflector	Signal Amplitude %	Sweep Division	Sound Path
30.0	FSDH	75	2.9	1.483

Comments: Effective coverage using the 60 Deg search unit has been verified by the presence of the weld root response during the required scans.

Percent Of Coverage Obtained > 90%: No Reviewed Previous Data: N/A

Examiner	Level	Signature	Date	Reviewer		Signature	Date
Johnson, Jeffrey M.	II-PDI		3/9/2019	W.L. THOMAS	LEV III		3/10/19
Examiner	Level	Signature	Date	Site Review		Signature	Date
Zollner, Brian D	II-PDI		3/9/2019	DENNIS P. STRICKLAND	LVL		3/22/2019
Other	Level	Signature	Date	ANII Review		Signature	Date
N/A	N/A						3/23/19

UT Calibration/Examination

Dominion

Site/Unit:	NAPS / 2	Procedure:	ER-AA-NDE-UT-802	Outage No.:	N2R26
Summary No.:	N2.R1.11.314	Procedure Rev.:	5	Report No.:	UT-19 -073
Workscope:	ISI	Work Order No.:	59203136641	Page:	3 of 5

Code: 2004 Edition | Cat./Item: R-A/R1.11 | Location: C-LOOP

Drawing No.: 12050-WMKS-0109D | Description: Weldolet to Elbow

System ID: RC

Component ID: 12050-WMKS-0109D / 14-RC-410 / 3 | Size/Length: 1.25" / 44.0" | Thickness/Diameter: 1.406" / 14.0"

Limitations: Single sided due to weld-o-let. See attached | Start Time: 1342 | Finish Time: 1350

Instrument Settings

Serial No.:	140723807		
Manufacturer:	Olympus		
Model:	EPOCH 600	Linearity:	L-19 -001
Delay:	10.211	Range:	5.700
M'tl Cal/Vel:	0.2320	Pulser:	Square
Damping:	400	Reject:	0
Rep. Rate:	Auto	Freq.:	2.0
Filter:	0.5-4.0	Mode:	FW
Voltage:	400	Other:	N/A

Ax. Gain (dB): 54.0 | Circ. Gain (dB): N/A

10 Screen Div. = 5.70 in. of Sound Path

Calibration Block

Cal. Block No. 05-8514

Thickness 2.25" | Dia.: 0

Cal. Blk. Temp. 71 | Temp. Tool: ATK-2

Comp. Temp. 86 | Temp. Tool: ATK-2

Recordable Indication(s): Yes ☐ No ☑

Results: NRI ☑ RI ☐ Geom ☐

Search Unit

Serial No.:	06-109		
Manufacturer:	RTD		
Size:	2(15X25)	Model:	TRL2-AUST
Freq.:	2.0 MHZ	Center Freq.:	N/A
Exam Angle:	60	Squint Angle:	N/A
Measured Angle:	61	Mode:	Longitudinal
Exit Point	.75	# of Elements:	2
Config.:	D-SBS	Focus:	FD.1.3"
Shape:	Retangular	Contour:	FLAT
Wedge Style:	Integral		

Search Unit Cable

Type: RG 174 | Length: 6 | No. Conn.: 0

Scan Coverage

Upstream ☑ Downstream ☐ Scan dB: 60.0

CW ☐ CCW ☐ Scan dB: N/A

Exam Surface: OD

Surface Condition: Ground Smooth

(If Yes, Ref. Attached Ultrasonic Indication Report.)

Cal. Checks	Time	Date
Initial Cal.	1105	3/9/2019
Inter. Cal.	1342	3/9/2019
Inter. Cal.	N/A	
Inter. Cal.	1350	3/9/2019
Final Cal.	1604	3/9/2019

Couplant

Cal. Batch: 17F087

Type: Sonotech

Mfg.: Sonotech

Exam Batch: 17F087

Type: Sonotech

Mfg.: Sonotech

Reference Block

Serial No.: 05-6533

Type: SS Rompus Block

Axial Oriented Search Unit

Calibration Reflector	Signal Amplitude %	Sweep Division	Sound Path
1.50" Notch	80	5.0	2.869

Circumferential Oriented Search Unit

Calibration Reflector	Signal Amplitude %	Sweep Division	Sound Path
N/A			

Reference/Simulator Block

Gain dB	Reflector	Signal Amplitude %	Sweep Division	Sound Path
48.0	FSDH	45	2.7	1.556

Comments: None.

Percent Of Coverage Obtained > 90%: No | Reviewed Previous Data: N/A

Examiner: Johnson, Jeffrey M.	Level: II-PDI	Signature: Jeffrey M. Johnson	Date: 3/9/2019	Reviewer: W.L. THOMAS	Level: III	Signature: W.L. Thomas	Date: 3/10/19
Examiner: Zollner, Brian D	Level: II-PDI	Signature: Brian D Zollner	Date: 3/9/2019	Site Review: DENNIS P. STRICKLAND	Level: III	Signature: Dennis P Strickland	Date: 3/22/2019
Other: N/A	Level: N/A	Signature:	Date:	ANII Review		Signature: M Hue	Date: 3/23/19

Dominion

Supplemental Report

Report No.: UT-19 -073

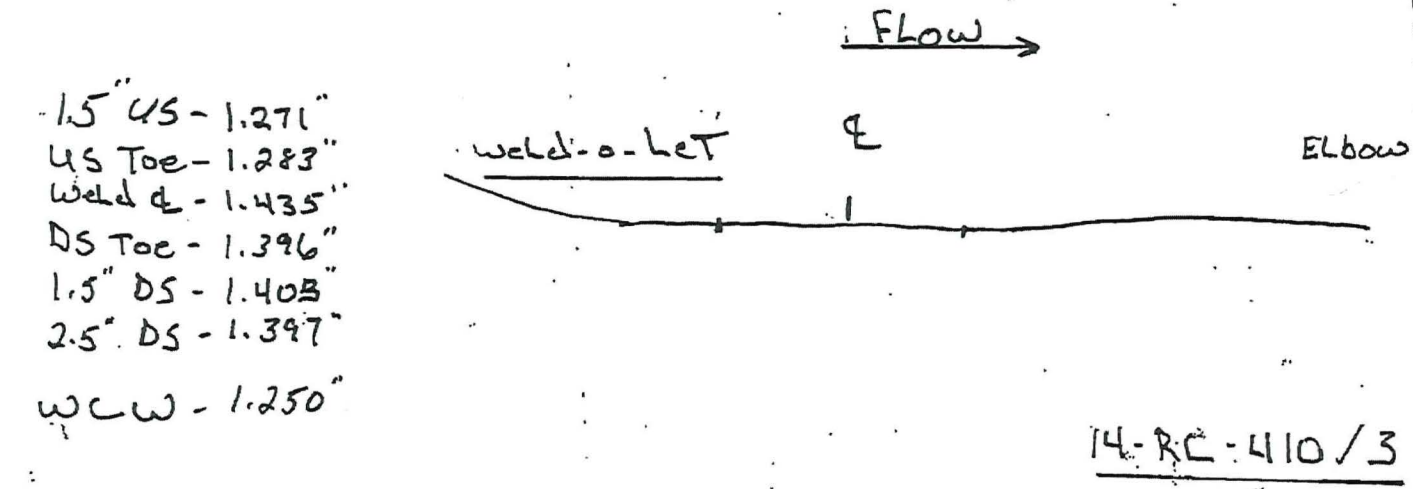
Page: 4 of 5

Summary No.: N2.R1.11.314

Examiner:	Johnson, Jeffrey M.	Level:	II-PDI	Reviewer:	W.L. THOMAS LOV. III	Date: 3-10-19
Examiner:	Zollner, Brian D	Level:	II-PDI	Site Review:	DENNIS P. STRICKLAND LVII 805	Date: 3/22/2019
Other:	N/A	Level:	N/A	ANII Review:		Date: 3/25/19

Comments:

Sketch or Photo:



Additional - Supplemental Data

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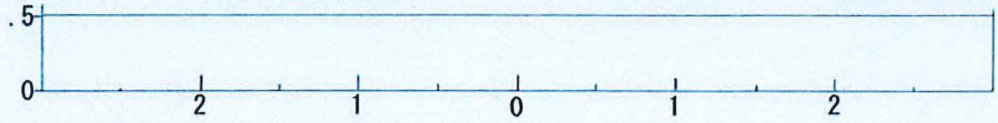
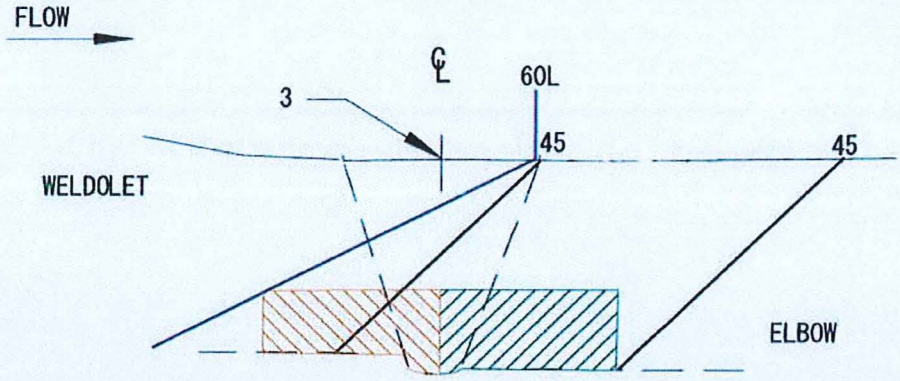
Dominion

Report No: UT-19-073
Summary # N2.R1.11.314
Pg. 5 of 5
Prepared by: W. Thomas LEVEL III
Date: 3/10/2019

Weld Number	3	Weld Width	1.25"
Thickness	1.283"	Weld Length	44"





EXAMINED 100% OF THE REQUIRED VOLUME DS SIDE.

EXAMINED 100% OF THE REQUIRED VOLUME US SIDE
BEST EFFORT

Examination Volume Dimensions - Height 0.428" Length 44" Width 2.25"

Coverage Summary				
	Required Scans (each has a weighing factor of 100 for complete coverage)			
ANGLE	UpSt-Ax	UpSt-Circ	DnSt-Ax	DnSt-Circ
45 / 60		0%	100%	100%
60L	*100%			
			Code Coverage Total	50%
100+100+100+0=300/400=.75			* Best Effort Coverage (Max 25%) Total	25%

Notes:

1) Code Coverage refers to the maximum percentage of the required examination volume that is effectively examined with the qualified examination procedure.
2) Best Effort Coverage refers to the required examination volume past the weld centerline that is examined in the axial beam direction with an Appendix VIII demonstrated procedure for single sided coverage.

☑ Reviewed
☐ Witnessed
3/27/19
Hartford Steam Boiler
9531
HSB

DENNIS P. STRICKLAND LVL II 3/22/2019

Liquid Penetrant Examination

Dominion

Site/Unit:	NAPS / 2	Procedure:	ER-AA-NDE-PT-300	Outage No.:	N2R26
Summary No.:	N2.R1.11.314	Procedure Rev.:	7	Report No.:	PT-19 -012
Workscope:	AUG	Work Order No.:	59203136641	Page:	1 of 1

Code: 2004 Edition Cat./Item: R-A/R1.11 Location: C-LOOP

Drawing No.: 12050-WMKS-0109D Description: WELDOLET-TO-ELBOW

System ID: RC

Component ID: ~~12050-WMKS-0109D-/-14-RC-410-/-3~~ SS 11.406" Mat./Thickness: ~~1.406" / 14"~~

Limitations: None JH 5/22/19

Light Meter Mfg.: N/A Serial No.: N/A Illumination: N/A

Temp. Tool Mfg.: ATKINS Serial No.: ATK-2 Surface Temp.: 80 °F

Comparator Block Temp.: Side A: N/A °F Side B: N/A °F Resolution: 0.044" Character Card

Lo/Wo Location: TDC / Weld Center Line Surface Condition: Ground Smooth

	Cleaner	Penetrant (Visible ☑ / Fluorescent ☐)	Remover	Developer
Brand	MAGNAFLUX	MAGNAFLUX	MAGNAFLUX	MAGNAFLUX
Type	SKC-S	SKL-SP2	SKC-S	SKD-S2
Batch No.	18C21K	15J02K	18C21K	14K04K
Time	Evap. 3 Min	Dwell 10 Min	Evap. 1 Min	Develop 10 Min
	Time Exam Started: 2151		Time Exam Completed: 2225	

Indication No.	Loc L	Loc W	Diameter	Length	Type R/L	Remarks
NRI						

Comments:
DOM-2016-0156
Flashlight used to resolve character card

Results: NRI ☑ RI ☐ Eval ☐ N/A

Percent Of Coverage Obtained > 90%: Yes Reviewed Previous Data: N/A

Examiner	Level II	Signature	Date	Reviewer		Signature	Date
Flood, Steven			3/8/2019	N/A			
Examiner	Level N/A	Signature	Date	Site Review		Signature	Date
N/A			3/8/2019	Dennis Strickland Lv II			3/18/2019
Other	Level N/A	Signature	Date	ANII Review		Signature	Date
N/A					N/A		

UT Calibration/Examination

Dominion

Site/Unit:	NAPS / 2	Procedure:	ER-AA-NDE-UT-700	Outage No.:	N2R26
Summary No.:	N2.R1.20.0404	Procedure Rev.:	0	Report No.:	UT-19 -017
Workscope:	AUG	Work Order No.:	59203136641	Page:	1 of 2

Code:	2004 Edition	Cat./Item:	R-A/R1.20	Location:	C-LOOP
Drawing No.:	12050-WMKS-0109G-2	Description:	Pipe to Branch Connection weld		
System ID:	RC				
Component ID:	12050-WMKS-0109G-2 / 29-RC-407 / SW-36	Size/Length:	2.2" / 50"	Thickness/Diameter:	2.58" /29"
Limitations:	Adjacent loop stop valve. See attached.	Start Time:	1352	Finish Time:	1410

Instrument Settings

Serial No.:	140723807		
Manufacturer:	Olympus		
Model:	EPOCH 600	Linearity:	L-19 -001
Delay:	12.811	Range:	7.200
M'tl Cal/Vel:	0.2320	Pulser:	Square
Damping:	400	Reject:	0
Rep. Rate:	Auto	Freq.:	1.0
Filter:	.2 - 10	Mode:	Dual
Voltage:	400	Other:	N/A

Ax. Gain (dB): 68.0 Circ. Gain (dB): N/A

10 Screen Div. = 7.20 in. of Sound Path

Calibration Block

Cal. Block No.	VGB-33		
Thickness	2.580"	Dia.:	0
Cal. Blk. Temp.	71	Temp. Tool:	ATK-2
Comp. Temp.	86	Temp. Tool:	ATK-2

Search Unit

Serial No.:	97-733		
Manufacturer:	RTD		
Size:	2(20X34)	Model:	TRL1-AUST
Freq.:	1.0 MHZ	Center Freq.:	N/A
Exam Angle:	45	Squint Angle:	SA5
Measured Angle:	45	Mode:	Long
Exit Point	0.9	# of Elements:	2
Config.:	Dual	Focus:	FS-80
Shape:	Rect.	Contour:	Flat
Wedge Style:	Integral		

Search Unit Cable

Type: RG 174 Length: 6 No. Conn.: 0

Scan Coverage

Upstream ☑ Downstream ☐ Scan dB: 74

CW ☑ CCW ☑ Scan dB: 74

Exam Surface: OD

Surface Condition: Ground Smooth

Cal. Checks	Time	Date
Initial Cal.	0930	3/9/2019
Inter. Cal.	1352	3/9/2019
Inter. Cal.		
Inter. Cal.	1410	3/9/2019
Final Cal.	1610	3/9/2019

Couplant

Cal. Batch:	17F087
Type:	Sonotech
Mfg.:	Sonotech
Exam Batch:	17F087
Type:	Sonotech
Mfg.:	Sonotech

Reference Block

Serial No.:	05-6533
Type:	SS Rompus Block

Axial Oriented Search Unit

Calibration Reflector	Signal Amplitude %	Sweep Division	Sound Path
ID Notch	80	5.3	3.760"

Circumferential Oriented Search Unit

Calibration Reflector	Signal Amplitude %	Sweep Division	Sound Path
ID Notch	80	5.8	4.260"

Reference/Simulator Block

Gain dB	Reflector	Signal Amplitude %	Sweep Division	Sound Path
50.0	FSDH	20	1.4	1.05"

Recordable Indication(s): Yes ☐ No ☑ (If Yes, Ref. Attached Ultrasonic Indication Report.)

Results: NRI ☑ RI ☐ Geom ☐

Percent Of Coverage Obtained > 90%: No Reviewed Previous Data: Yes

Comments: None

Examiner	Level	Signature	Date	Reviewer	Signature	Date
Johnson, Jeffrey M.	II-PDI		3/9/2019	W.L. Thomas LEV III		3/11/2019
Examiner	Level	Signature	Date	Site Review	Signature	Date
Zollner, Brian D	II-PDI		3/9/2019	Jeff Odegard Lv III		3/22/19
Other	Level	Signature	Date	ANII Review	Signature	Date
N/A	N/A			N/A		

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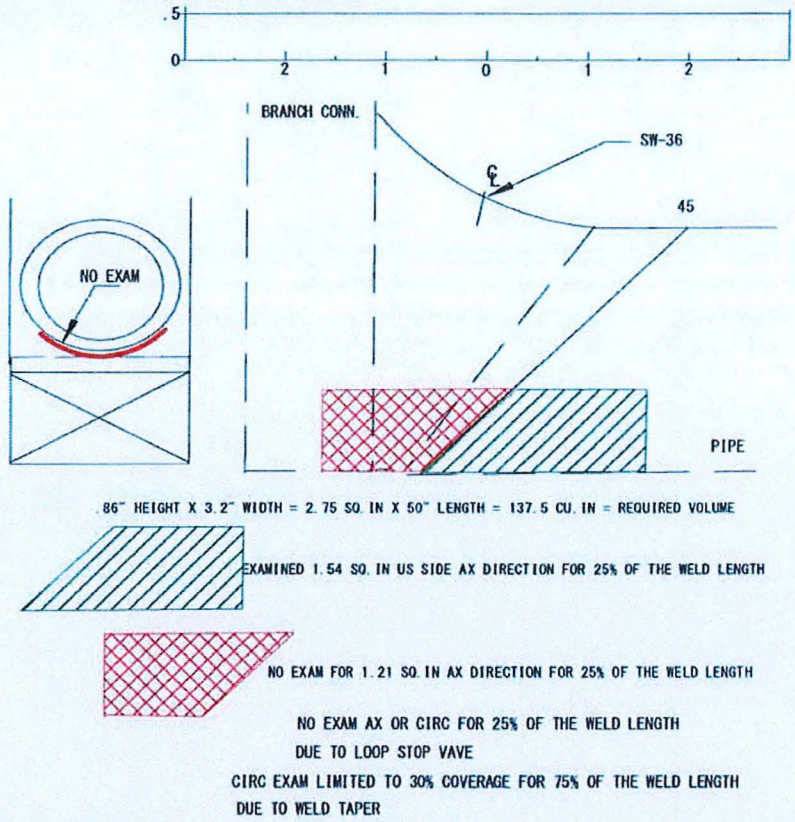
Dominion

Report No: UT-19-017
Summary # N2.R1.20.0404

Prepared by: W. Thomas LEV III
Date: 3/11/2019 LVIII 3/22/19

Weld Number	SW-36	Weld Width	2.2"
Thickness	2.58"	Weld Length	50"



Examination Volume Dimensions - Height 0.86" Length 50" Width 3.2"

Coverage Summary					
	Required Scans (each has a weighing factor of 100 for complete coverage)				
ANGLE	AXIAL	CIRC			
45	64%	22.5%			
				Code Coverage Total	43.25%
64+22.5=86.5/200=.4325			* Best Effort Coverage (Max 25%) Total		N/A

Notes:

1) Code Coverage refers to the maximum percentage of the required examination volume that is effectively examined with the qualified examination procedure.
2) Best Effort Coverage refers to the required examination volume past the weld centerline that is examined in the axial beam direction with an Appendix VIII demonstrated procedure for single sided coverage.

Liquid Penetrant Examination

Dominion

Site/Unit:	NAPS / 2	Procedure:	ER-AA-NDE-PT-300	Outage No.:	N2R26
Summary No.:	N2.R1.20.0404	Procedure Rev.:	7	Report No.:	PT-19 -013
Workscope:	AUG	Work Order No.:	59203136641	Page:	1 of 1

Code: 2004 Edition Cat./Item: R-A/R1.20 Location: C-LOOP

Drawing No.: 12050-WMKS-0109G-2 Description: Pipe-to-Branch Connection weld QPS 3/21/19

System ID: RC 2.58"

Component ID: 12050-WMKS-0109G-2 / 29-RC-407 / SW-36 Mat./Thickness: SS / ~~1.406"~~ RE-TELAW

Limitations: None

Light Meter Mfg.: N/A Serial No.: N/A Illumination: N/A

Temp. Tool Mfg.: ATKINS Serial No.: ATK-2 Surface Temp.: 80 °F

Comparator Block Temp.: Side A: N/A °F Side B: N/A °F Resolution: Not Used

Lo/Wo Location: TDC / Weld Center Line Surface Condition: Ground Smooth

	Cleaner	Penetrant (Visible ☑ / Fluorescent ☐)	Remover	Developer
Brand	MAGNAFLUX	MAGNAFLUX	MAGNAFLUX	MAGNAFLUX
Type	SKC-S	SKL-SP2	SKC-S	SKD-S2
Batch No.	18C21K	15J02K	18C21K	14K04K
Time	Evap. 3	Dwell 10	Evap. 1	Develop 10
	Time Exam Started: 2151		Time Exam Completed: 2225	

Indication No.	Loc L	Loc W	Diameter	Length	Type R/L	Remarks
NRI						

Comments:
DOM-2016-0156
Flashlight used to resolve character card

Results: NRI ☑ RI ☐ Eval ☐ N/A

Percent Of Coverage Obtained > 90%: Yes Reviewed Previous Data: N/A

Examiner	Level II	Signature	Date	Reviewer	LEVIII	Signature	Date
Flood, Steven			3/8/2019	W.L. Thomas			3.11.19
Examiner	Level N/A	Signature	Date	Site Review	LVII	Signature	Date
N/A			3/8/2019	DENNIS P. STRICKLAND			3/21/2019
Other	Level N/A	Signature	Date	ANII Review		Signature	Date
N/A				N/A			