

TVA

WALL THICKNESS PROFILE SHEET

REPORT NO:

R.P.1106

PROJECT: WBN

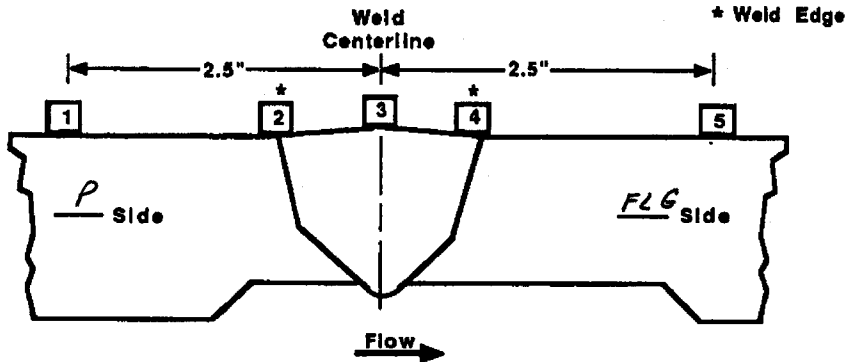
WELD NO: SIF-B-7071-09

UNIT: 2

SYSTEM: SIS

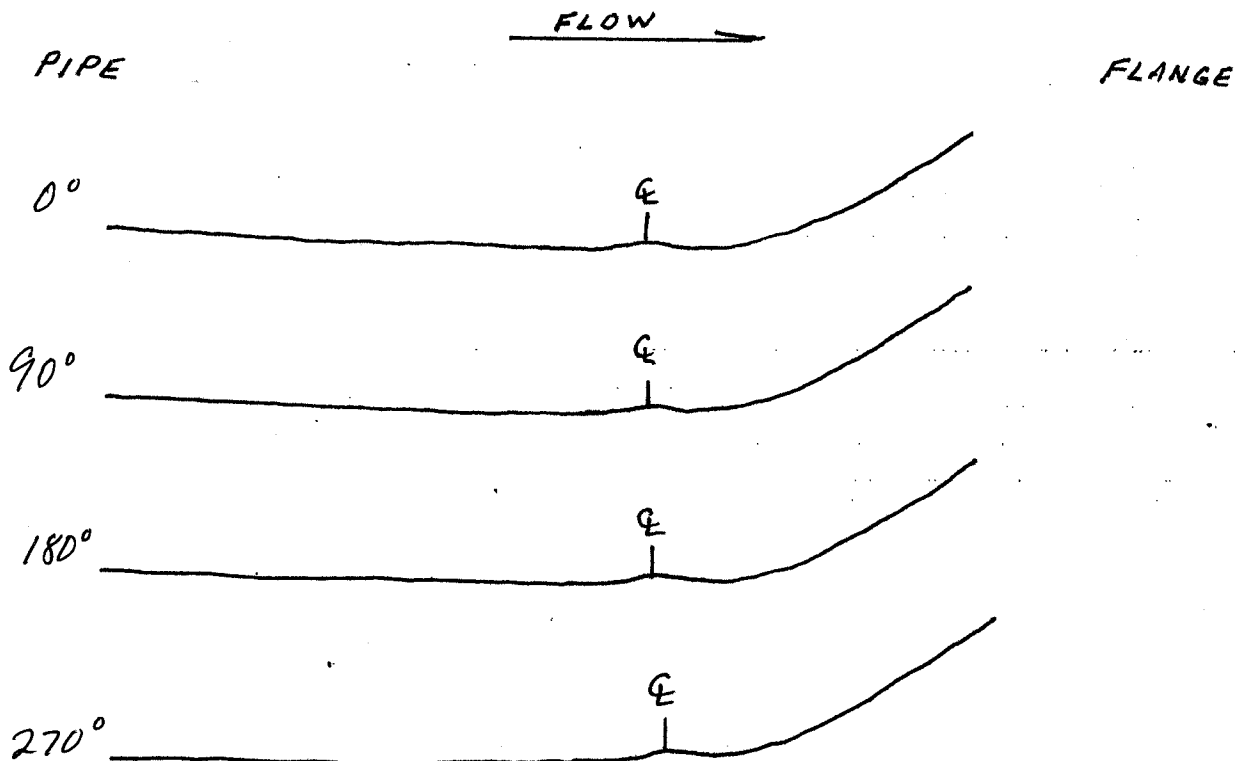
Record Thickness Measurements As Indicated, Including Weld Width, Edge-To-Edge At 0°

Position	0°	90°	180°	270°
1	.328	.334	.328	.329
2	.329	.322	.343	.339
3	.401	.399	.422	.395
4	.394	.393	.374	.375
5	*	*	*	*



CROWN HEIGHT: .0625 DIAMETER: 2.0

CROWN WIDTH: .4375 WELD LENGTH: 7.75



* No thickness readings taken due to Flange configuration

EXAMINER: [Signature]
LEVEL: II
DATE: 05-26-10

REVIEWED BY: [Signature]
LEVEL: III DATE: 06-11-10

ANII: [Signature]
DATE: 7-15-10
PAGE 5 OF 7

TVA

Office of Nuclear Power

PROJECT: WBN SYSTEM: SIS

UNIT: 2 WELD NO: SIF-B-T071-09

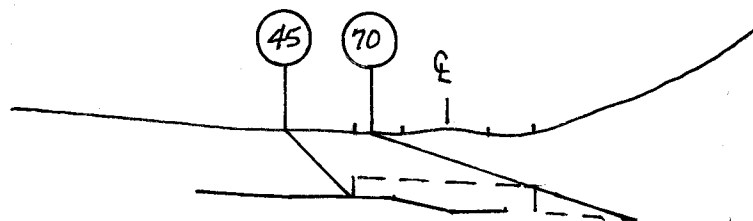
REPORT NO.:

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FLOW →

PIPE

FLANGE



$$\frac{ID \ 1.79''}{OD \ 2.47''} = .72 \text{ RATIO} = 46^\circ$$

MAX
CIRC
ANGLE

BY: Jose Alejandro Jose Cepeda LEVEL: II DATE: 05-26-10 PAGE 6 OF 7

Watts Bar Unit 2

TVA Procedure N-GP-31
Attachments 3 & 4

Measured
Fields

Calculated
Fields

Worksheet Version 1.0 dated 07/01/09

**WELD
NUMBER**

SIF-B-T071-09

Item 1 Required examination Volume in sq. in.
(width x height)

0.95	0.13	0.1235
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 sq. in.

Item 2 Number of scan directions

		4
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 directions

Item 3 Total Scan volume in sq. in.

		0.494
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 sq. in.

Item 4 Total length of weld

		7.75
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 inches

Item 5 Total required exam volume in cubic inches

		3.8285
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 cu. in.

Item 6 Exam volume acheived (sq. in.) in direction 1 X length of weld achieved

0.1235	7.75	0.957125
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 cu. In.

Item 7 Exam volume acheived (sq. in.) in direction 2 X length of weld achieved

0.1235	7.75	0.957125
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 cu. In.

Item 8 Exam volume acheived (sq. in.) in direction 3 X length of weld achieved

0.1235	7.75	0.957125
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 cu. In.

Item 9 Exam volume acheived (sq. in.) in direction 4 X length of weld achieved

0	7.75	0
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 cu. In.

Item 10 Determined the acheived exam volume add 6, 7, 8 & 9

		2.871375
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 cu. In.

Item 11 Exam volume percentage item 10/item 5 x 100

		75.00
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 %

No Scan #4, limitation due to flange

Initials
JAP

Date
05/27/2010