# TVA

# WALL THICKNESS PROFILE SHEET

REPORT NO: R-PZOTT

PROJECT: WBN

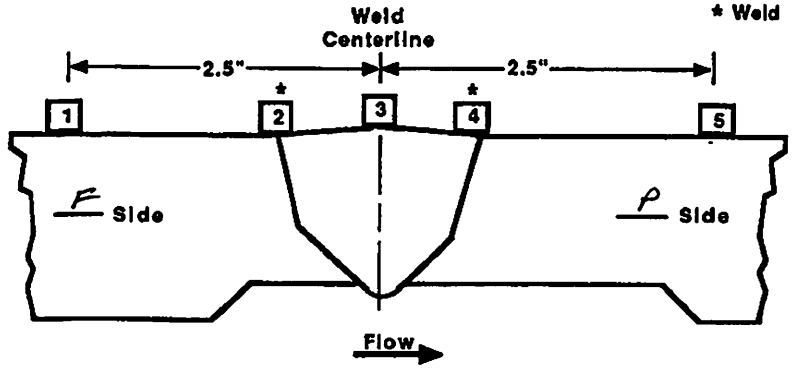
UNIT: 2

WELD NO: SIF-D193-13

SYSTEM: SIS (063)

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

| Position | 0° | 90° | 180° | 270° |
|---|---|---|---|---|
| 1 | * | | | |
| 2 | .356 | | N | |
| 3 | .352 | | A | |
| 4 | .360 | | | |
| 5 | .368 | | | |




CROWN HEIGHT: Flush

CROWN WIDTH: .5

DIAMETER: 2.5

WELD LENGTH: 9.0

PIPE

FLOW

FLANGE


* No thickness reading taken. JA

EXAMINER: [signature]

LEVEL: II

DATE: 12-09-13

MATT WELCH

REVIEWED BY: [signature]

LEVEL: III DATE: 2/4/14

ANII: Andrew Triplett

DATE: 1-29-14

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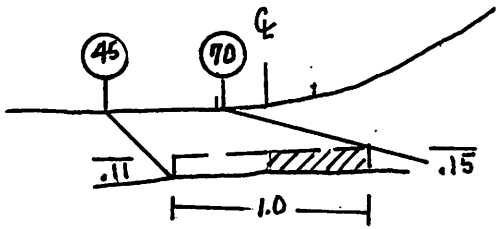
| TVA<br>Office of Nuclear Power | PROJECT: WBN SYSTEM: SIS (063)<br>UNIT: 2 WELD NO: SIF-D193-13 | REPORT NO.:<br>R-P2077 |
|---|---|---|

PIPE

FLANGE

FLOW




1.0 X .13 X 9 = 1.17 X 4 = 4.68
Scan 3 = 0
Scan 4 = 1.0 X .13 = .13
Scan 5 = .5 X .13 = .065
Scan 6 = .5 X .13 = .065
0 + .13 + .065 + .065 = .26 X 9 = 2.34
2.34 ÷ 4.68 = .5 = 50%

▨ No coverage from up stream

BY: _____ LEVEL: II DATE: 12-09-13 PAGE 8 OF 9

R-PZ077

TVA Procedure
N-GP-31

Attachment 3 **Weld ID: SIF-D193-13**

| | | | | | | |
|---|---|---|---|---|---|---|
| Item 1 | Required examination Volume in sq. in. **(width x height)** | 1 | 0.13 | | 0.13 | sq. in. |
| Item 2 | Number of **scan directions** | | | | 4 | directions |
| Item 3 | Total Scan **volume** in sq. in. | | | | 0.52 | sq. in. |
| Item 4 | Total **length** of weld | | | | 9 | inches |
| Item 5 | Total required **exam volume** in cubic inches | | | | 4.68 | cu. in. |
| Item 6 | **Exam volume achieved** (sq. in.) in direction 1 X **length of weld achieved** | 0 | 0 | | 0 | cu. In. |
| Item 7 | **Exam volume achieved** (sq. in.) in direction 2 X **length of weld achieved** | 0.13 | 9 | | 1.17 | cu. In. |
| Item 8 | **Exam volume achieved** (sq. in.) in direction 3 X **length of weld achieved** | 0.065 | 9 | | 0.585 | cu. In. |
| Item 9 | **Exam volume achieved** (sq. in.) in direction 4 X **length of weld achieved** | 0.065 | 9 | | 0.585 | cu. In. |
| Item 10 | Determined the **achivied exam volume** add 6, 7, 8 & 9 | | | | 2.34 | cu. In. |
| Item 11 | Exam **volume percentage** item 10/item 5 x 100 | | | | 0.5<br>50% | % |

| | |
|---|---|
| Limited to one sided examination due to flange configuration | Initials: JA<br>Date: 12/09/2013 |

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