

TVA

WALL THICKNESS  
PROFILE SHEET

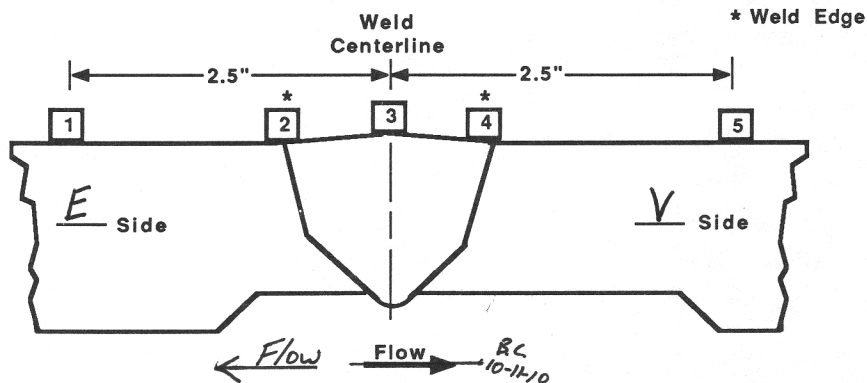
REPORT NO:

R.P1329

PROJECT: WBNWELD NO: RCF-D145-04UNIT: 2SYSTEM: RCS

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

Position	0°	90°	180°	270°
1	N/A	N/A	N/A	N/A
2	N/A	N/A	N/A	N/A
3	.499	.555	.539	.487
4	.501	.626	.460	.519
5	.596	.611	.559	.540

CROWN HEIGHT: FlushDIAMETER: 4"CROWN WIDTH: .6"WELD LENGTH: 14.25"

Elbow

0°

Flow

Valve

EXAMINER: Brandon CalveryREVIEWED BY: Darlene DuleyANII: B. EarmighLEVEL: TELLEVEL: TLUDATE: 12-4-10DATE: 1/28/11DATE: 11-23-10PAGE 6 OF 8

TVA

Office of Nuclear Power

PROJECT: WBN

SYSTEM: RCS

REPORT NO.:

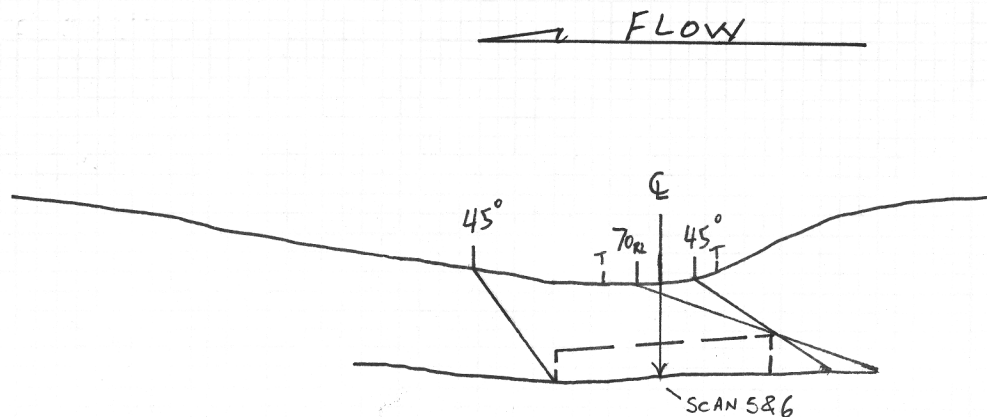
Unit: 2

WELD NO.: RCF-D145-04

R.P1324

Elbow

Valve



$$\frac{3.51 \text{ ID}}{4.53 \text{ OD}} = .77 \text{ RATIO} = 50.8^\circ \text{ MAX CIRC}$$

EXAMINATION PERFORMED TO QUALIFIED SECTOR SCAN ANGLES OF 35° TO 70° AX AND 25° TO 70° CIRC (SHEAR),  
40° TO 70° AX (RL)

\* Exam is single sided due to valve configuration.

BY: Brandon Calvery

LEVEL: II L

DATE: 11-23-10

PAGE 7

OF 8

# Watts Bar Unit 2

R. P. 329

TVA Procedure N-GP-31  
Attachments 3 & 4

Measured  
Fields

Calculated  
Fields

Worksheet Version 1.0 dated 07/01/09

WELD  
NUMBER

RCF-D145-04

Item 1 Required examination Volume in sq. in.  
(width x height) 1.1 0.18 0.198 sq. in.

Item 2 Number of scan directions 4 directions

Item 3 Total Scan volume in sq. in. 0.792 sq. in.

Item 4 Total length of weld 14.25 inches

Item 5 Total required exam volume in cubic inches 11.286 cu. in.

Item 6 Exam volume acheived (sq. in.) in direction 1 X length of weld achieved 0.198 14.25 2.8215 cu. In.

Item 7 Exam volume acheived (sq. in.) in direction 2 X length of weld achieved 0 14.25 0 cu. In.

Item 8 Exam volume acheived (sq. in.) in direction 3 X length of weld achieved 0.099 14.25 1.41075 cu. In.

Item 9 Exam volume acheived (sq. in.) in direction 4 X length of weld achieved 0.099 14.25 1.41075 cu. In.

Item 10 Determined the acheived exam volume add 6, 7, 8 & 9 5.643 cu. In.

Item 11 Exam volume percentage item 10/item 5 x 100 50.00 %

Scan # 3, 5 & 6 limitation due to valve configuration.

Initials  
JAP

Date  
11/23/2010

8 of 8