

TVA

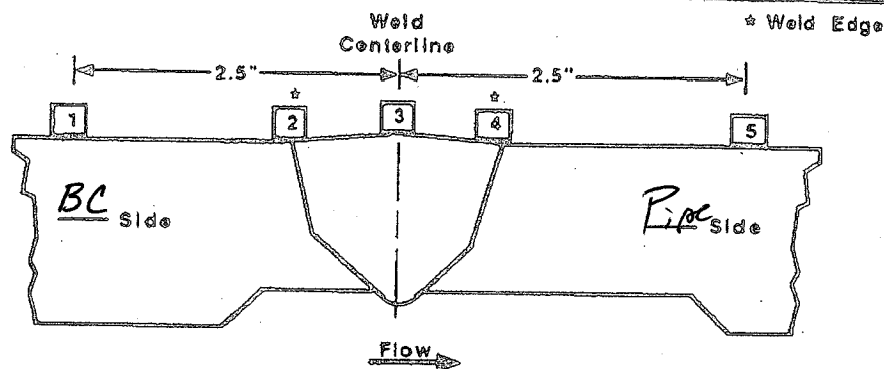
WALL THICKNESS
PROFILE SHEET

REPORT NO:

R-P0106

PROJECT: WBNWELD NO: RCS-3-6UNIT: 2SYSTEM: RCSRecord 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	2.41	2.42	2.39	2.42
4	2.44	2.59	2.35	2.43
5	2.45	2.49	2.41	2.44

CROWN HEIGHT: FlushDIAMETER: 6.0CROWN WIDTH: 2.4 - 2.5WELD LENGTH: 56.0Branch
Connection

Main Run Pipe

similar profiles at 0°/180°

similar profiles at 90°/270°

* thickness measurements on main run pipe only.

EXAMINER: José Alejandro Juez CepedaREVIEWED BY: [Signature]ANU: [Signature]LEVEL: IILEVEL: IIIDATE: 12/23/08DATE: 2/4/09DATE: 12-09-08PAGE 5 OF 6

TVA

Office of Nuclear Power

PROJECT: WBN

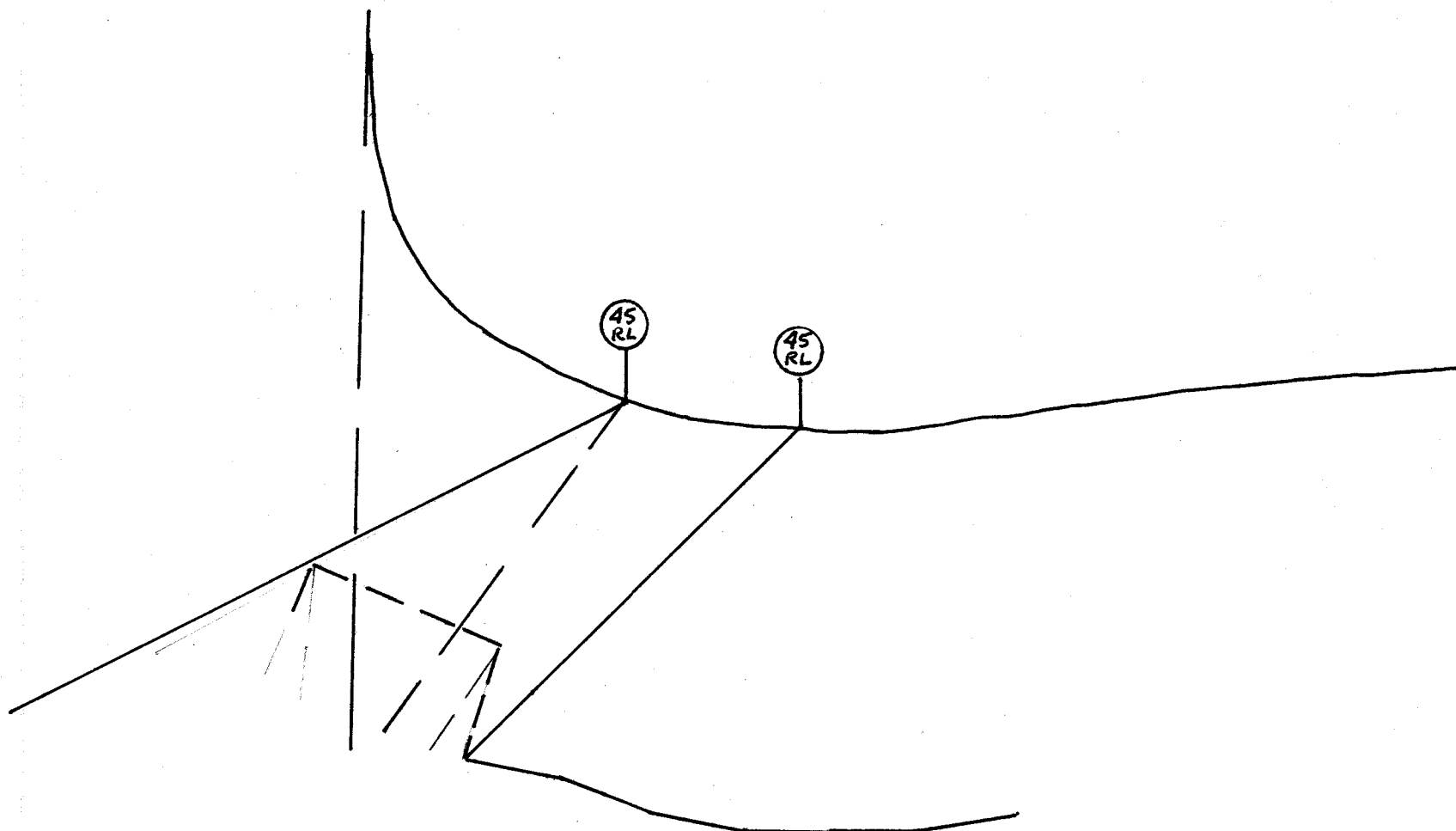
SYSTEM: RCS

REPORT NO.:

UNIT: 2

WELD NO: RCS-3-6

R-P0106



BY: Jose Alejandro

Jose Alejandro

LEVEL: II

DATE: 12-09-08

PAGE 6 OF 6

R. Polos

<p align="center">NPG Nondestructive Examination Procedure</p>	<p align="center">CALCULATION OF ASME CODE COVERAGE FOR SECTION XI, APPENDIX VIII ULTRASONIC EXAMINATIONS</p>	<p align="center">N-GP-31 Rev. 0002 Page 16 of 24</p>
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Attachment 4
(Page 1 of 1)

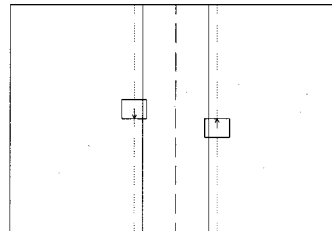
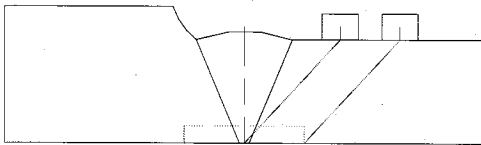
AUSTENITIC PIPING WELDS SINGLE SIDE ACCESS - SUPPLEMENT 2

Required and obtained examination volume coverage work sheet

Below is a typical example of examination coverage plots although are not to be considered inclusive of all situations.

Typical example of a single sided access examination of an austenitic piping weld, examination credit can not be taken beyond the weld centerline when the beam is directed through the weld material. Although examinations are required to be performed with the ultrasonic beam directed through the weld material, however they can not be considered totally effective or creditable.

Note: Typically a one-sided austenitic weld examination with no circumferential restrictions would be indicated as 75% examination coverage or 50% if circumferential scans were limited to one side.



W = RCS-3-6

W = 1.25 H = .7 L = 50

Item	Description	Value
REQUIRED EXAMINATION VOLUME		
1	Required examination volume in sq in. (width x height) for single scan stroke	.875
2	Number of scan directions (normally 4; i.e. upst,dnst, cw, & ccw))	4
3	Total scan volume in sq inches (Item 1 * Item 2)	3.5
4	Total length of weld	50
5	Total required examination volume in cubic inches (Item 3 * Item 4)	175
OBTAINED EXAMINATION VOLUME		
6	Examination volume achieved (sq in for single scan stroke) in 1 axial scanning direction (i.e. upst) multiplied by the length of weld examined	0
7	Examination volume achieved (sq in for single scan stroke) in 1 axial scanning direction (i.e. dnst) multiplied by the length of weld examined	43.75
8	Examination volume achieved (sq in for single scan stroke) in 1 circumferential scanning direction (i.e. cw) multiplied by the length of weld examined	21.875
9	Examination volume achieved (sq in for single scan stroke) in 1 circumferential scanning direction (i.e. ccw) multiplied by the length of weld examined	21.875
10	Determine the achieved examination volume by adding Items 6, 7, 8, and 9	87.5
11	Examination volume percentage [(Item 10 / item 5) X 100]	(.50) = 50%

INFORMATION ONLY