UNIT I PSI REPORT UPDATE

June 4, 1981

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UNIT I PSI REPORT UPDATE

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RECEIVING INSPECTION REPORT

RIR No. SIR-007

For Items List No. NA

Line No. NA

PART NO. 1

Project LaSalle 1&2 PSI Project No. LCS PC173-2 Purchase Order No. 391NC172-8

Description Glycerine Product Specification & Rev. NA

PART NO. 2 CHARACTERISTICS TO BE INSPECTED: Prepared by L Wheatley Date 4/10/80

1) Quantity
2) Certification
3) Markings
4) Chemical Analysis
5)
6)
7)
8)
9)
10)

PART NO. 3 RECEIVING INSPECTION

Markings Dow Glycerine USP 99.5%

Heat & Lot Or Serial No. DH0207C HC41

Characteristics Inspected: A – Accepted R – Rejected

1) 55 gal 3) A 5) 7) 9)
2) A 4) A 6) 8) 10)

Remarks: (List Characteristic No. and reason for rejection)

Nonconformities:

Is Component or Appurtenance Code-Stamped Yes ☐ No ☒ Inspected By L Wheatley Date 4/10/80

PART NO. 4 RECEIVING VERIFICATION

	Yes	No	NA
Recorded markings meet the requirements of the Product Spec.	☐	☐	☒
Heat & lot numbers match the Material Certification	☐	☐	☐
Serial Numbers match the Data Reports (Code-stamped items only)	☐	☐	☒
Recorded characteristics meet the requirements of the Product Spec.	☐	☐	☒
Material Certifications and Test Reports meet the requirements of the Product Spec.	☐	☐	☒
Material Certifications and Test Reports accepted by QA/QC Supervisor (owner purchased items only)	☐	☐	☒
Date Reports acceptable (Code-stamped items only)	☐	☐	☒

Verified by L Wheatley Date 4/10/80

Reviewed by AI Date

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

INSPECTION CHECKLIST

LASALLE COUNTY STATION UNIT 1

IC NO. GEL-.094 REV. 2

PAGE 1 of 1

REVIEWED AND APPROVED BY:

Q.C. SUPERIVSOR L D Leathley DATE 4/30/81

SIZE 00	EXAM COMP ID NO 01	DWG. REV. NO. 02	ASME CAT 03	COMP FIG 04	PROCEDURE NO. 05	REV. NO. 06	EXAM TYPE 07	EDS NO. 08	CDS NO. 09	LSCS CAL STD. NO. 10	LDS NO. 11	Q.C. REVIEW SIGNATURE/DATE 12	AI INIT/DATE 13
N/A	GEL-1094-N8	0	B-F	N-F	2	7	PT	77098				L D Leathley 4/30/81	W J C 4-30-81
					1	6	UT-0°	77436	77435	01-91-08	0036		
					1	6	UT-45°	77438	77437	01-91-08	0038		

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

INSPECTION CHECKLIST

LASALLE COUNTY STATION UNIT 1

IC NO. GEL-1095 REV. 2

PAGE 1 of 1

REVIEWED AND APPROVED BY:

Q.C. SUPERIVSOR L D Wheatley DATE 4/30/81

SIZE 00	EXAM COMP ID NO 01	DWG. REV. NO. 02	ASME CAT 03	COMP FIG 04	PROCEDURE NO. 05	REV. NO. 06	EXAM TYPE 07	EDS NO. 08	CDS NO. 09	LSCS CAL STD. NO. 10	LDS NO. 11	Q.C. REVIEW SIGNATURE/DATE 12	AI INIT/DATE 13
N/A	GEL-1095-N7	0	B-F	N-F	2	7	PT	77098				L D Wheatley 4/30/81	W J Caldwell 4-30-81
					1	6	UT-0°	77436	77435	01-91-08	0036		
					1	6	UT-45°	77438	77437	01-91-08	0038		
N/A	GEL-1095-N18	0	B-F	N-F	2	7	PT	77098				L D Wheatley 4/30/81	W J C 4-30-81
					1	6	UT-0°	77436	77435	01-91-08	0036		
					1	6	UT-45°	77438	77437	01-91-08	0038		

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

INSPECTION CHECKLIST

LASALLE COUNTY STATION UNIT 1

IC NO. 1-NIR REV. 3

REVIEWED AND APPROVED BY:

Q.C. SUPERVISOR L D Wheatley DATE 4/15/81

SIZE 00	EXAM COMP ID NO 01	DWG. REV. NO. 02	ASME CAT 03	COMP FIG 04	PROCEDURE NO. 05	REV. NO. 06	EXAM TYPE 07	EDS NO. 08	CDS NO. 09	LSCS CAL STD. NO. 10	LDS NO. 11	Q.C. REVIEW SIGNATURE/DATE 12	AI INIT/DATE 13
N/A	1-NIR-6C	0	B-D	NIR	13	0	Z1CW	97005	97000	MP-1	N/A	L D Wheatley 4/15/81	acf 4-15-81
					13	0	Z1CCW	45503	45500	MP-1	N/A		
					16	0	Z2CW	16020	16017	MP-1	N/A		
					16	0	Z2CCW	16020	16017	MP-1	N/A		
N/A	1-NIR-9A	0	B-D	NIR	13	0	Z1CW	45520	45517	MP-1	N/A	L D Wheatley 4/24/81	wjc 5-11-81
					13	0	Z1CCW	45520	45517	MP-1	N/A		
					17	0	Z2	84661	84660	01-91-04	84660		
N/A	1-NIR-9B	0	B-D	NIR	13	0	Z1CW	45521	45517	MP-1	N/A	L D Wheatley 4/24/81	wjc 5-11-81
					13	0	Z1CCW	45521	45517	MP-1	N/A		
					17	0	Z2	84662	84660	01-91-04	84660		
N/A	1-NIR-10	0	B-D	NIR	13	0	Z1CW	97018	97017	MP-1	N/A	L D Wheatley 4/15/81	acf 4-15-81
					13	0	Z1CCW	97018	97017	MP-1	N/A		
					16	0	Z2CW	16016	16015	MP-1	N/A		
					16	0	Z2CCW	16016	16015	MP-1	N/A		
N/A	1-NIR-16	0	B-D	NIR	13	0	Z1CW	97001	97000	MP-1	N/A	L D Wheatley 4/15/81	acf 4-15-81
					13	0	Z1CCW	45502	45500	MP-1	N/A		
					16	0	Z2CW	73007	73005	MP-1	N/A		
					16	0	Z2CCW	73007	73005	MP-1	N/A		

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

INSPECTION CHECKLIST

LASALLE COUNTY STATION UNIT 1

IC NO. IHP-PU REV. 4

PAGE 1 of 2

REVIEWED AND APPROVED BY:

Q.C. SUPERVISOR L D Wheatley DATE 4/30/81

SIZE 00	EXAM COMP ID NO 01	DWG. REV. NO. 02	ASME CAT 03	COMP FIG 04	PROCEDURE NO. 05	REV. NO. 06	EXAM TYPE 07	EDS NO. 08	CDS NO. 09	LSCS CAL STD. NO. 10	LDS NO. 11	Q.C. REVIEW SIGNATURE/DATE 12	AI INIT/DATE 13
14"	IHP-PU-1	0	C-F	E-F	2	6	PT	97054				L D Wheatley 4/30/81	W J Caldwell 4-30-81
					1	6	UT-0°	93272	93271	01-70-04	0053		
					1	6	UT-45°	93274	93273	01-70-04	0054		
6"	IHP-PU-2	0	C-F	P-E	2	6	PT	97054				L D Wheatley 4/30/81	W J C 4-30-81
					1	6	UT-0°	93272	93271	01-70-04	0053		
					1	6	UT-45°	93274	93273	01-70-04	0054		
14"	IHP-PU-3	0	C-F	PL-E	2	6	PT	97054				L D Wheatley 4/30/81	W J C 4-30-81
					1	6	UT-0°	93272	93271	01-70-04	0053		
					1	6	UT-45°	93274	93273	01-70-04	0054		
36"	IHP-PU-4	0	C-F	PL-SH	2	7	PT			N/A		Inaccessible See RI-17	
24"	IHP-PU-5	0	C-F	P-SH	2	6	PT	97054				L D Wheatley 4/30/81 Partial Exams due to Inaccessibility	W J C 4-30-81
					1	5	UT-0°	77281	77279	01-24-02	0034		
					1	5	UT-45°	77284	77282	01-24-02	0028		
24"	IHP-PU-6	0	C-F	P-F	2	7	PT						
					1	5	UT-0°	77281	77279	01-24-02	0034	Partial Exams due to Inaccessibility	
					1	5	UT-45°	77284	77282	01-24-02	0028		
36"	IHP-PU-7A	0	C-F	PULS	2	7	PT						
					1	6	UT-0°					Inaccessible See RI-17	
					1	6	UT-45°						
36"	IHP-PU-7B	0	C-F	PULS	2	7	PT						
					1	6	UT-0°					Inaccessible See RI-17	
					1	6	UT-45°						

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

INSPECTION CHECKLIST

LASALLE COUNTY STATION UNIT 1

IC NO. IHP-PU REV. 1

REVIEWED AND APPROVED BY:

Q.C. SUPERVISOR [signature] DATE 4/30/81

SIZE 00	EXAM COMP ID NO 01	DWG. REV. NO. 02	ASME CAT 03	COMP FIG 04	PROCEDURE NO. 05	REV. NO. 06	EXAM TYPE 07	EDS NO. 08	CDS NO. 09	LSCS CAL STD. NO. 10	LDS NO. 11	Q.C. REVIEW SIGNATURE/DATE 12	AI INIT/DATE 13
36"	IHP-PU-7C	0	C-F	PULS	2 1 1	7 6 6	PT UT-0° UT-45°					Inaccessible See RI-17	
36"	IHP-PU-8A	0	C-F	SH-SH	2 1 1	7 6 6	PT UT-0o UT-45°					Inaccessible See RI-17	
36"	IHP-PU-8B	0	C-F	SH-SH	2 1 1	7 6 6	PT UT-0° UT-45°					Inaccessible See RI-17	
36"	IHP-PU-8C	0	C-F	HD-SH	2 1 1	7 6 6	PT UT-0o UT-45°					Inaccessible See RI-17	
6"	IHP-PU-9	0	C-F	HD-SP	2	7	PT					Inaccessible See RI-17	

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

INSPECTION CHECKLIST

LASALLE COUNTY STATION UNIT 1

IC NO. ILP-PU REV 2

REVIEWED AND APPROVED BY:

Q.C. SUPERVISOR L D Wheatley DATE 4/30/81

SIZE 00	EXAM COMP ID NO 01	DWG. REV. NO. 02	ASME CAT 03	COMP FIG 04	PROCEDURE NO. 05	REV. NO. 06	EXAM TYPE 07	EDS NO. 08	CDS NO. 09	LSCS CAL STD. NO. 10	LDS NO. 11	Q.C. REVIEW SIGNATURE/DATE 12	AI INIT/DATE 13
14"	ILP-PU-1	0	C-F	P-F	2	6	PT	97054				L D Wheatley 4/30/81	W J Caldwell 4-30-81
					1	6	UT-0°	77275	77274	01-14-03	0027		
					1	6	UT-45°	77278	77276	01-14-03	0028		
6"	ILP-PU-2	0	C-F	P-E	2	6	PT	97054				L D Wheatley 4/30/81	W J C 4-30-81
					1	5	UT-0°	94446	94445	01-06-03	0016		
					1	6	UT-45°	94453	94452	01-06-03	0016		
6"	ILP-PU-2	0	C-F	P-E	2	6	PT	97054				L D Wheatley 4/30/81	W J C 4-30-81
					1	6	UT-0°	77275	77274	01-14-03	0027		
					1	6	UT-45°	77278	77276	01-14-03	0028		
14"	ILP-PU-3	0	C-F	PL-E	2	6	PT	97054				L D Wheatley 4/30/81	W J C 4-30-81
					1	6	UT-0°	77275	77274	01-14-03	0027		
					1	6	UT-45°	77278	77276	01-14-03	0028		
36"	ILP-PU-4	0	C-F	PL-SH	2	6	PT			N/A		Inaccessible See RI-17	
24"	ILP-PU-5	0	C-F	P-SH	2	6	PT	97054				L D Wheatley 4/30/81 Partial Exams due to Inaccessibility	W J C 4-30-81
					1	6	UT-0°	77280	77279	01-24-02	0034		
					1	6	UT-45°	77285	77282	01-24-02	0028		
24"	ILP-PU-6	0	C-F	P-F	2	6	PT	97054				L D Wheatley 4/30/81 Partial Exams due to Inaccessibility	W J C 4-30-81
					1	6	UT-0°	77280	77279	01-24-02	0034		
					1	6	UT-45°	77285	77282	01-24-02	0028		
36"	ILP-PU-7	0	C-F	SH-SH	2	6	PT					Inaccessible See RI-17	
					1	5	UT-0°						
					1	5	UT-45°						

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

INSPECTION CHECKLIST

LASALLE COUNTY STATION UNIT 1

IC NO. ILP-PU REV.1

PAGE 2 of 2

REVIEWED AND APPROVED BY:

Q.C. SUPERVISOR L D Healey DATE 4/30/81

SIZE 00	EXAM COMP ID NO 01	DWG. REV. NO. 02	ASME CAT 03	COMP FIG 04	PROCEDURE NO. 05	REV. NO. 06	EXAM TYPE 07	EDS NO. 08	CDS NO. 09	LSCS CAL STD. NO. 10	LDS NO. 11	Q.C. REVIEW SIGNATURE/DATE 12	AI INIT/DATE 13
36"	ILP-PU-8	0	C-F	SH-HD	2 1 1	6 5 5	PT UT-0° UT-45°					Inaccessible See RI-17	
6"	ILP-PU-9	0	C-F	HD-SP	2	6	PT			N/A		Inaccessible See RI-17	

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

INSPECTION CHECKLIST

LASALLE COUNTY STATION UNIT 1

IC NO. IRH-PU1A REV. 3

REVIEWED AND APPROVED BY:

Q.C. SUPERVISOR L D Wheatley DATE 4/30/81

SIZE 00	EXAM COMP ID NO 01	DWG. REV. NO. 02	ASME CAT 03	COMP FIG 04	PROCEDURE NO. 05	REV. NO. 06	EXAM TYPE 07	EDS NO. 08	CDS NO. 09	LSCS CAL STD. NO. 10	LDS NO. 11	Q.C. REVIEW SIGNATURE/DATE 12	AI INIT/DATE 13
14"	IRH-PU1A-1	0	C-F	E-F	2	5	PT	91153				L D Wheatley 4/30/81	W J Cottrell 4-30-81
					1	4	UT-0°	91155	91154	01-14-03	0010		
					1	4	UT-45°	91163	91161	01-14-03	0010		
6"	IRH-PU1A-2	0	C-F	P-E	2	5	PT	91153				L D Wheatley 4/30/80	W J C 4-30 81
					1	4	UT-0°	91157	91156	01-06-03	0010		
					1	4	UT-45°	91161	91160	01-06-03	91160		
6"	IRH-PU1A-2	0	C-F	P-E	2	5	PT	91153				L D Wheatley 4/30/81	W J C 4-30 81
					1	4	UT-0°	91155	91154	01-14-03	0010		
					1	4	UT-45°	91163	91161	01-14-03	0010		
14"	IRH-PU1A-3	0	C-F	PL-E	2	5	PT	91153				L D Wheatley 4/30/81	W J C 4-30-81
					1	4	UT-0°	91155	91154	01-14-03	0010		
					1	4	UT-45°	91163	91161	01-14-03	0010		
36"	IRH-PU1A-4	0	C-F	PL-SH	2	7	PT					Inaccessible See RI-17	
24"	IRH-PU1A-5	0	C-F	P-SH	2	5	PT	91150				L D Wheatley 4/30/81 Partial Exams Due to Inaccessibility	W J C 4-30 81
					1	4	UT-0°	91152	91151	01-24-02	0010		
					1	4	UT-45°	91157	91158	01-24-02	0010		
24"	IRH-PU1A-6	0	C-F	P-F	2	5	PT	91150				L D Wheatley 4/30/81 Partial Exams Due to Inaccessibility	W J C 4-30-81
					1	4	UT-0°	91152	91151	01-24-02	0010		
					1	4	UT-45°	91159	91158	01-24-02	0010		
36"	IRH-PU1A-7A	0	C-F	PULS	2	7	PT					Inacessible See RI-17	
					1	6	UT-0°						
					1	6	UT-45°						

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

INSPECTION CHECKLIST

LASALLE COUNTY STATION UNIT 1

IC NO. IRH-PU1A REV. 3

REVIEWED AND APPROVED BY:

Q.C. SUPERVISOR [signature] DATE 4/30/81

SIZE 00	EXAM COMP ID NO 01	DWG. REV. NO. 02	ASME CAT 03	COMP FIG 04	PROCEDURE NO. 05	REV. NO. 06	EXAM TYPE 07	EDS NO. 08	CDS NO. 09	LSCS CAL STD. NO. 10	LDS NO. 11	Q.C. REVIEW SIGNATURE/DATE 12	AI INIT/DATE 13
36"	IRH-PU1A-7B	0	C-F	PULS	2 1 1	7 6 6	PT UT-0° UT-45°					Inaccessible See RI-17	
36"	IRH-PU1A-7C	0	C-F	PULS	2 1 1	7 6 6	PT UT-0° UT-45°					Inaccessible See RI-17	
36"	IRH-PU1A-8A	0	C-F	SH-SH	2 1 1	7 6 6	PT UT-0° UT-45°					Inaccessible See RI-17	
36"	IRH-PU1A-8B	0	C-F	SH-SH	2 1 1	7 6 6	PT UT-0° UT-45°					Inaccessible See RI-17	
36"	IRH-PU1A-8C	0	C-F	SH-HD	2 1 1	7 6 6	PT UT-0° UT-45°					Inaccessible See RI-17	
6"	IRH-PU1A-9	0	C-F	HD-SP	2	7	PT					Inaccessible See RI-17	

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

INSPECTION CHECKLIST

LASALLE COUNTY STATION UNIT 1

IC NO. IRH-PU1B REV. 3

PAGE 1 of 2

REVIEWED AND APPROVED BY:

Q.C. SUPERVISOR L D Heatley DATE 4/30/81

SIZE 00	EXAM COMP ID NO 01	DWG. REV. NO. 02	ASME CAT 03	COMP FIG 04	PROCEDURE NO. 05	REV. NO. 06	EXAM TYPE 07	EDS NO. 08	CDS NO. 09	LSCS CAL STD. NO. 10	LDS NO. 11	Q.C. REVIEW SIGNATURE/DATE 12	AI INIT/DATE 13
14"	IRH-PU1B-1	0	C-F	E-F	2	5	PT	5351				L D Heatley 4/30/81	w j Caldwell 4-30-81
					1	4	UT-0°	91135	91134	01-14-03	0010		
					1	4	UT-45°	91141	91140	01-14-03	0013		
6"	IRH-PU1B-2	0	C-F	P-E	2	5	PT	91133				L D Heatley 4/30/81	w j c 4-30-81
					1	4	UT-0°	91137	91136	01-06-03	0010		
					1	4	UT-45°	91144	91143	01-06-03	0009		
6"	IRH-PU1B-2	0	C-F	P-E	2	5	PT	91133				L D Heatley 4/30/81	w j c 4-30-81
					1	4	UT-0°	91135	91134	01-14-03	0013		
					1	4	UT-45°	91141	91140	01-14-03	0010		
14"	IRH-PU1B-3	0	C-F	PL-E	2	5	PT	91133				L D Heatley 4/30/81	w j c 4-30-81
					1	4	UT-0°	91135	91134	01-14-03	0010		
					1	4	UT-45°	91142	91140	01-14-03	0010		
36"	IRH-PU1B-4	0	C-F	PL-SH	2	7	PT					Inaccessible See RI-17	
24"	IRH-PU1B-5	0	C-F	P-SH	2	5	PT	91147				L D Heatley 4/30/81 Partial Exams Due to Inaccessibility	w j c 4-30-81
					1	4	UT-0°	91146	91145	01-24-02	0010		
					1	4	UT-45°	91149	91148	01-24-02	0009		
36"	IRH-PU1B-6	0	C-F	P-F	2	5	PT	91133				L D Heatley 4/30/81 Partial Exams Due to Inaccessibility	w j c 4-30-81
					1	4	UT-0°	91139	91138	01-24-02	0010		
					1	4	UT-45°	91147	91148	01-24-02	0009		
36"	IRH-PU1B-7A	0	C-F	PULS	2	7	PT					Inaccessible See RI-17	
					1	6	UT-0°						
					1	6	UT-45°						

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

INSPECTION CHECKLIST

LASALLE COUNTY STATION UNIT 1

IC NO. IRH-PU1B REV. 3

REVIEWED AND APPROVED BY:

Q.C. SUPERVISOR [signature] DATE 4/30/81

SIZE 00	EXAM COMP ID NO 01	DWG. REV. NO. 02	ASME CAT 03	COMP FIG 04	PROCEDURE NO. 05	REV. NO. 06	EXAM TYPE 07	EDS NO. 08	CDS NO. 09	LSCS CAL STD. NO. 10	LDS NO. 11	Q.C. REVIEW SIGNATURE/DATE 12	AI INIT/DATE 13
36"	IRH-PU1B-7B	0	C-F	PULS	2 1 1	7 6 6	PT UT-0° UT-45°					Inaccessible See RI-17	
36"	IRH-PU1B-7C	0	C-F	PULS	2 1 1	7 6 6	PT UT-0° UT-45°					Inaccessible See RI-17	
36"	IRH-PU1B-8A	0	C-F	SH-SH	2 1 1	7 6 6	PT UT-0° UT-45°					Inaccessible See RI-17	
36"	IRH-PU1B-8B	0	C-F	SH-S	2 1 1	7 6 6	PT UT-0° UT-45°					Inaccessible See RI-17	
36"	IRH-PU1B-8C	0	C-F	SH-HD	2 1 1	7 6 6	PT UT-0° UT-45°					Inaccessible See RI-17	
6"	IRH-PU1B-9	0	C-F	HD-SP	2	7	PT					Inaccessible See RI-17	

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

INSPECTION CHECKLIST

LASALLE COUNTY STATION UNIT 1

IC NO. IRH-PU1C REV. 2

REVIEWED AND APPROVED BY:

Q.C. SUPERVISOR L D Whatley DATE 4/30/81

SIZE 00	EXAM COMP ID NO C1	DWG. REV. NO. 02	ASME CAT 03	COMP FIG 04	PROCEDURE NO. 05	REV. NO. 06	EXAM TYPE 07	EDS NO. 08	CDS NO. 09	LSCS CAL STD. NO. 10	LDS NO. 11	Q.C. REVIEW SIGNATURE/DATE 12	AI INIT/DATE 13
14"	IRH-PU1C-1	1	C-F	E-F	2	6	PT	97056				L D Whatley 4/30/81	W J Caldwell 4-30-81
					1	6	UT-0°	77275	77274	01-14-03	0027		
					1	6	UT-45°	77277	77276	01-14-03	0028		
6"	IRH-PU1C-2	1	C-F	P-E	2	6	PT	97056				L D Whatley 4/30/81	WJC 4-30-81
					1	5	UT-0°	94446	94445	01-06-03	0016		
					1	6	UT-45°	94453	94452	01-06-03	0016		
14"	IRH-PU1C-2	1	C-F	P-E	2	6	PT	97056				L D Whatley 4/30/81	WJC 4-30-81
					1	6	UT-0°	77275	77274	01-14-03	0027		
					1	6	UT-45°	77277	77276	01-14-03	0028		
14"	IRH-PU1C-3	1	C-F	PL-E	2	6	PT	97056				L D Whatley 4/30/81	WJC 4-30-81
					1	6	UT-0°	77275	77274	01-14-03	0027		
					1	6	UT-45°	77277	77276	01-14-03	0028		
36"	IRH-PU1C-4		C-F	PL-SH	2	7	PT					Inaccessible See RI-17	
24"	IRH-PU1C-5	1	C-F	P-SH	2	6	PT	97056				L D Whatley 4/30/81 Partial Exams Due to Inaccessibility	WJC 4-30-81
					1	6	UT-0°	77281	77279	01-24-02	0034		
					1	6	UT-45°	77283	77282	01-24-02	0028		
24"	IRH-PU1C-6	1	C-F	P-F	2	6	PT	97056				L D Whatley 4/30/81 Partial Exams Due to Inaccessibility	WJC 4-30-81
					1	6	UT-0°	77281	77279	01-24-02	0034		
					1	6	UT-45°	77284	77282	01-24-02	0028		
36"	IRH-PU1C-7A	1	C-F	PULS	2	7	PT					Inaccessible See RI-17	
					1	6	UT-0°						
					1	6	UT-45°						

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

INSPECTION CHECKLIST

LASALLE COUNTY STATION UNIT 1

IC NO. IRH-PU1C REV. 1

REVIEWED AND APPROVED BY:

Q.C. SUPERVISOR [signature] DATE 4/30/81

SIZE 00	EXAM COMP ID NO 01	DWG. REV. NO. 02	ASME CAT 03	COMP FIG 04	PROCEDURE NO. 05	REV. NO. 06	EXAM TYPE 07	EDS NO. 08	CDS NO. 09	LSCS CAL STD. NO. 10	LDS NO. 11	Q.C. REVIEW SIGNATURE/DATE 12	AI INIT/DATE 13
36"	IRH-PU1C-7B	1	C-F	PULS	2 1 1	7 6 6	PT UT-0° UT-45°					Inaccessible See RI-17	
36"	IRH-PU1C-7C	1	C-F	PULS	2 1 1	7 6 6	PT UT-0° UT-45°					Inaccessible See RI-17	
36"	IRH-PU1C-8A	1	C-F	SH-SH	2 1 1	7 6 6	PT UT-0° UT-45°					Inaccessible See RI-17	
36"	IRH-PU1C-8B	1	C-F	SH-SH	2 1 1	7 6 6	PT UT-0° UT-45°					Inaccessible See RI-17	
36"	IRH-PU1C-8C	1	C-F	SH-HD	2 1 1	7 6 6	PT UT-0° UT-45°					Inaccessible See RI-17	
9"	IRH-PU1C-9	1	C-F	HD-SP	2	7	PT					Inaccessible See RI-17	

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

INSPECTION CHECKLIST

LASALLE COUNTY STATION UNIT 1

IC NO. IRH-1023 REV. 2

PAGE 1 of 1

REVIEWED AND APPROVED BY:

Q.C. SUPERIVSOR L W Wheatley DATE 3/29/81

SIZE 00	EXAM COMP ID NO 01	DWG. REV. NO. 02	ASME CAT 03	COMP FIG 04	PROCEDURE NO. 05	REV. NO. 06	EXAM TYPE 07	EDS NO. 08	CDS NO. 09	LSCS CAL STD. NO. 10	LDS NO. 11	Q.C. REVIEW SIGNATURE/DATE 12	AI INIT/DATE 13
18"	IRH-1023-2	0	C-F	E-P	2	7	PT	77617				L W Wheatley 4/30/81	W J C 5-11-81
					1	6	UT-0°	92290	92284	01-18-01	0065		
					1	6	UT-45°	77622	77619	01-18-01	0064		
18"	IRH-1023-4A	0	C-F	P-E	2	7	PT	77614				L W Wheatley 5/13/81 NCR-106	W J C 5-13-81
					1	6	UT-0°	92290	92264	01-18-01	0065		
					1	6	UT-45°	77621	77619	01-18-01	0064		
18"	IRH-1023-7	0	C-F	E-P	2	7	PT	77614				L W Wheatley 4/30/81	W J C 5-11-81
					1	6	UT-0°	92290	92289	01-18-01	0065		
					1	6	UT-45°	77620	77619	01-18-01	0064		
18"	IRH-1023-8	0	C-F	P-E	2	7	PT	77614				L W Wheatley 4/23/81	W J C 5-11-81
					1	6	UT-0°	92284	92283	01-18-01	0064		
					1	6	UT-45°	92286	92285	01-18-01	0062		
18"	IRH-1023-9	0	C-F	E-P	2	7	PT	77614				L W Wheatley 4/23/81	W J C 5-11-81
					1	6	UT-0°	92284	92283	01-18-01	0064		
					1	6	UT-45°	92287	92285	01-18-01	0062		
18"	IRH-1023-14	0	C-F	P-E	2	7	PT	77613				L W Wheatley 4/23/81	W J C 5-11-81
					1	6	UT-0°	92290	92289	01-18-01	0065		
					1	6	UT-45°	77623	77619	01-18-01	0064		
18"	IRH-1023-16	0	C-F	E-P	2	7	PT	77613				L W Wheatley 4/23/81	W J C 5-11-81
					1	6	UT-0°	92284	92283	01-18-01	0065		
					1	6	UT-45°	92288	92285	01-18-01	0062		

INSTALLATION & SERVICE ENGINEERING DIVISION

NONCONFORMITY REPORT

REVISION NO. 0

Project LaSalle I PSI Report No. INCR-106

Initiated By L.W. Wheatley Date 4/2/81

Project No. LCS-P0173-1 Drawing No. IRH-1023

Item, Assembly Joint No. Weld IRH-1023-4A

Heat & Lot, Serial No. (if applicable) NA

Identity Record No. Nonconformity Noted (Traveler, RIR, Item List UT, RT Report, etc.) No. EDS 77616

Description of Nonconformity

Minimum wall violations caused during removal of PT indications. See enclosed EDS 77616 for details.

Proposed Resolution

RESOLUTION PER CECO ENGINEERING

Signature L W Wheatley Date 4/2/81

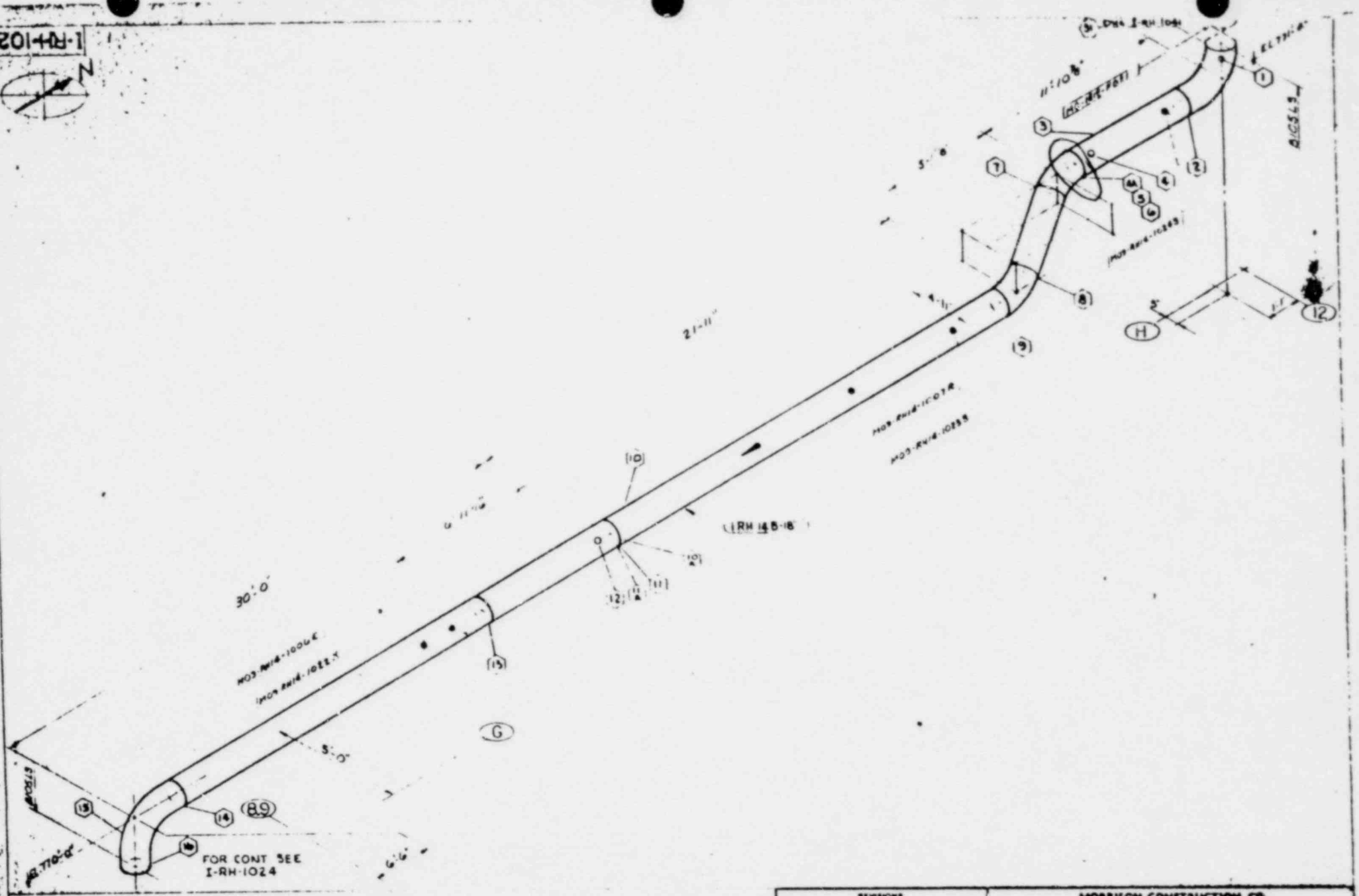
Comments

See EDS 92295, 92406, 92408 for re-examination after weld repair.

Resolution Approved By L W Wheatley Date 4/2/81

Reviewed with ANI By W J Caldwell Date 5-11-81

Completed L W Wheatley Date 5/11/81



REVISIONS				
REV	DESCRIPTION	BY	CK	DATE
0	PRELIM			6-19-78

MORRISON CONSTRUCTION CO.
RAMSEUR, INDIANA

Job No. 3000 By [illegible] Drawn [illegible] Date 8-1-11
ISI BASED ON ASME SECTION XI Checked [illegible] Date
MCCO-ISI-CE-35/K Approved [illegible] Date

COMMONWEALTH EDISON CO. LA SALLE COUNTY STATION UNITS 1 & 2
INSERVICE INSPECTION
RESIDUAL HEAT REMOVAL SYSTEM

NSP Dwg. No. M-813-1/2 MCCO Dwg. No. I-RH-1023
M-31W-1/K, 2/K, 3/K, 4/K

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

LASALLE COUNTY NUCLEAR STATION

U.T. CALIBRATION FORM

FORM # 77615

DATE 3-27-81

EXAMINER R A Hamlin LEVEL II DATA TAKER NA LEVEL NA

INSTRUMENT MODEL CL 202 SERI . 801203

TRANSDUCER SIZE .25 FREQ. NA MH, SERIAL NO. A28031

CALIBRATION STD. CSC-1 / CS Step Wedge MATERIAL CS

COUPLANT Glycerine INITIAL CALIBRATIO'I TIME 1243

(CALIBRATION DATA)

STANDARD THICKNESS	INSTRUMENT READING
1.486	1.486
1.253	1.254
.755	.755
.500	.501
.300	.302
.200	.202

CAL. VERIFICATION TIMES:

Final Cal. Check: 1535

	INSTRUMENT START	SETTINGS: FINISH
Gain		
Sweep		
Delay		
Filter		
Rep. Rate	N/A	
Dampening		
Reject		
Digital Range		
Calibrate		
Velocity	2330	2330

NDE Sup S D Connelly 3/30/81

L2 Whitby 4/2/81 GE QC

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

EXAMINATION DATA FORM

EXAM FORM # 77616

CAL. FORM # 77615

DATE 3-27-81

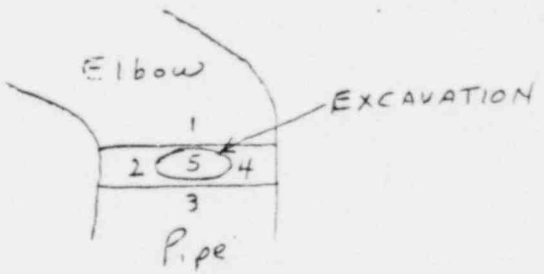
EXAMINER C.C. Hamler LEVEL II DATA TAKER NA LEVEL NA

MATERIAL THICKNESS	1/ .687	2/ .618	3/ .596	4/ .671
PIT GAUGE READINGS	5/ .464			
REMAINING WALL THK.				

WELD NO. IRH-1023-4A NOMINAL PIPE THICKNESS 0.57

NCR. NO. INCR-106 MINIMUM WALL -0.499

EXCAVATION LOCATED T.D.C



MATERIAL THICKNESS				
PIT GAUGE READINGS				
REMAINING WALL THK.				

WELD NO. _____ NOMINAL PIPE THICKNESS _____

NCR. NO. _____ MINIMUM WALL _____

NDE Insp S Blaschelly 3/30/81

R W Wheatley 4/2/81 GE-QC

GENERAL ELECTRIC
INSTALLATION & SERVICE ENGINEERING DIVISION

LIQUID PENETRANT EXAMINATION DATA SHEET

LASALLE COUNTY NUCLEAR STATION UNIT 1

E.D.S. NO. 42275

A. PROCEDURE NO. PP-S751 REV. 7

B. EXAMINATION PERSONNEL:

NAME Larry M Goodrich LEVEL II

NAME J O Connelly LEVEL II

C. PENETRANT MATERIALS:

a. MANUFACTURER MAGNAFLUX-SPOTCHECK

b. PRE-CLEANING SOLVENT TYPE SKC-S BATCH NO. 79C014

c. PENETRANT TYPE SKL-HF /SKL-S BATCH NO. 79B109

d. PENETRANT REMOVER TYPE SKC-S BATCH NO. 79C014

e. DEVELOPER TYPE SKD-S BATCH NO. 79E033

f. POST EXAMINATION CLEANER TYPE SKC-S BATCH NO. 79C014

D. PRE-EXAMINATION REQUIREMENTS:

a. TEMPERATURE:

1. PENETRANT MATERIALS BETWEEN 60° F & 125° F - YES [X] NO [ ]
2. COMPONENT SURFACE BETWEEN 60° F & 125° F - YES [X] NO [ ]

b. SURFACE PREPARATION:

*1. GRINDING (*2. FLAPPERING) *3. NONE *4. OTHER

E. DATA: NOTE: All Exam components are ASME Sect. XI Category. C-F

00 LINE NO.	01 DATE 1981	02 PRE-CLEAN EVAP. TIME	03 PEN. DWELL TIME	04 PEN. REM. EVAP. TIME	05 DEV. TIME	06 EXAMINATION COMPONENT I.D. NO.	07 MAT'L	08 SURF. PREP. *	09 RELEVANT INDICATION YES	10 RELEVANT INDICATION NO	11 ACCEPTABLE YES	12 ACCEPTABLE NO	13 RELEVANT INDICATION LOCATION/SIZE OR COMMENTS
1	4-28	5	10	5	15	IRH-1008-23	CS	2		X	X		
2	4-28	5	10	5	15	IRH-1023-4A	CS	2		X	X		INSPECT 5" EACH SIDE TOE - REPAIR AREA
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													

NOTE: FOR EACH EXAM COMPONENT ID NO., PLACE THE APPLICABLE NUMBER(s) (1,2,3 etc) IN ITS APPROPRIATE COLUMN.

REVIEWED BY: NCE SUPERVISOR J O Connelly DATE 4/29/81

QC SUPERVISOR [illegible] DATE 5/1/81

AUTHORIZED INSPECTOR [illegible] Caldwell DATE 5-11-81

GENERAL ELECTRIC

NUCLEAR & ADVANCED ENGINEERING DIVISION

U.T. CALIBRATION DATA SHEET
LASALLE COUNTY STATION UNIT 1

CDS 92405
LDS 0064

A. Procedure No. MPUP-575 REV. 6

Examination Personnel: NAME Steele LEVEL II NAME ME Williams LEVEL II

Instrument: SERIAL NO. 1345 MAKE/MODEL: – BRANSON/303: ☐ SONIC/MK I; ☒ KK/USL32: ☐ OTHER

D. Search Unit: BEAM ANGLE/MODE: ☒ STRAIGHT BEAM/LONG WAVE: ☐ 45°/TRANS WAVE; ☐ 60°/TRANS WAVE

TRANSDUCER SIZE/FREQ: ☐ 0.25" DIA/2.25 MHz; ☐ 0.5" DIA/2.25 MHz; ☐ 1.0" DIA/2.25 MHz; ☒ 0.5"x0.5"/2.25 MHz

SERIAL NO.: A22010; ☐ 1.0" DIA/2.25 MHz;

TRANSDUCER TYPE: ☐ CERAMIC SINGLE ELEMENT ☒ CERAMIC DUAL ELEMENT ☐ OTHER

WEDGE TYPE: ☒ STANDARD WEDGE ☐ SPECIAL WEDGE/TYPE

CALCULATED BEAM ANGLE IN MATERIAL: θ_2 = 0 °

E. Cable: LENGTH: 6 FT. TYPE: ☐ RG-58 ☐ RG-59 ☐ RG-57 ☒ RG-174 ☐ OTHER

F. Calibration Orientation: CALIBRATION REFERENCE REFLECTOR: ☐ PARALLEL ☒ TRANSVERSE TO PIPE AXIS ... to hole center

FOR DUAL ELEMENT: SPLIT FOR MAXIMUM RESPONSE ☒ PARALLEL ☐ TRANSVERSE

G. Calibration Standards: LSCS CAL STD. NO. C1-15-01 THICKNESS .57" DIAMETER 15"

MATERIAL: ☒ CARBON ☐ STAINLESS ☐ INCONEL ☐ OTHER

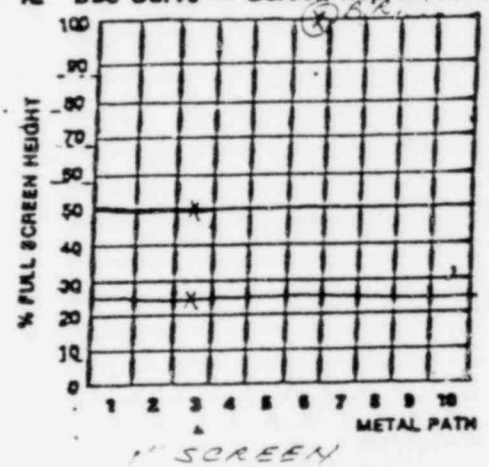
H. Couplant: ☒ GLYCERINE ☐ ULTRAGEL II ☐ OTHER

I. Comments:

J. Dac Curve — Data

REFLECTOR 00	PEAK AMP 01	W1 02	Wm 03	W2 04	MPI 05	MPm 06	MPz 07	HOLE DEPTH 08
¼ T or ½ Vee								
½ T or ¾ Vee	50%					.24		.24
¾ T or 1 Vee								
E.R. or 1½ Vee	100% +6					.57		

K. Dac Curve — Screen Representation



L. Instrument Settings/Checks

CONTROLS 00	SET 01	CHECK BOXES 02 03 04 05 06 07 08 09
GAIN	36	✓
SCAN GAIN	44	✓
SWEEP	.5"/6.70	✓
DELAY	7.52	✓
FILTER	AUTO	✓
REP RATE	MED	✓
SUPPRESSION	OFF	✓
REJECT	OFF	✓
OTHER	NA	✓

M. Calibration Time — Records

1981 DATE	01 PREC. CAL. TIME	02 CAL. CHECK TIME	03 LAST E.D.S. #	04 LAST E.D.S. LINE #	05 VERIFICATION OF 25°F LIMIT (YES/NO)
4-29	1300	NA	NA	NA	YES
4-29	NA	1450	92406	1	YES

N. Reviewed By: NDE SUPERVISOR J D Connelly DATE 4/30/81

Q.C. SUPERVISOR L D Hartley DATE 5/1/81

AUTHORIZED INSPECTOR W A Chadwell DATE 5-11-81

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

EDS # 92406

CDS # 92405

EXHIBIT 3

ULTRASONIC EXAMINATION DATA SHEET

LaSALLE COUNTY NUCLEAR STATION UNIT 1

PROCEDURE NO. MPUP-S751 REV. 6

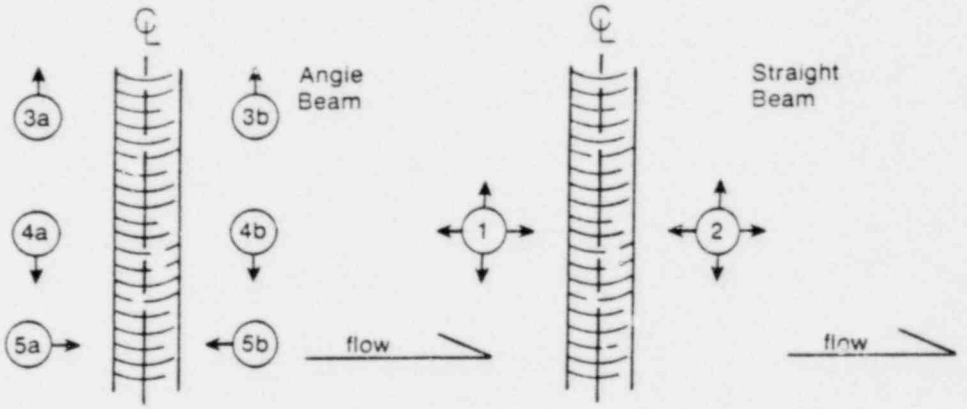
EXAMINATION PERSONNEL:
NAME [illegible] LEVEL II ; NAME M E Williams LEVEL I T

SEARCH UNIT BEAM ANGLE: 0°: X 45°: ____ 60°: ____ OTHER ____

COUPLANT: GLYCERINE: X ULTRAGEL II: ____ OTHER ____

SCAN SENSITIVITY: (+) 8 dB

SCAN ORIENTATION



DATE 1981	LINE NO.	EXAM I.D.	COMP FIG.	MAX AMP	L 1/ W 1	L m/ W m	L 2/ W 2	MP 1	MP m	MP 2	SCAN	STAT.	COMMENTS
4-29	1	IRH-1023 4A	P-E		P .59	CL .63	E .68					A	Scan of Repair Area-5" Each Side of TDC

REVIEWED BY:
NDE SUPERVISOR S D Connelly DATE 4/30/81

QC SUPERVISOR L D Wheatley DATE 5/1/81

AUTHORIZED INSPECTOR W J Eldred DATE 5-11-81

GE-U3

GENERAL ELECTRIC
INSTALLATION & SERVICE ENGINEERING DIVISION

U.T. CALIBRATION DATA SHEET
LASALLE COUNTY STATION UNIT 1

CDS 92407
LDS 0065

A. Procedure No. MPUP-S751 REV. 6

Examination Personnel NAME [illegible] LEVEL II NAME M E Williams LEVEL II

Instrument SERIAL NO. 521 MAKE/MODEL: – BRANSON/303: ☐ SONIC/MK I; ☒ KK/USL32 ☐ OTHER

D. Search Unit: BEAM ANGLE/MODE: ☐ STRAIGHT BEAM/LONG WAVE ☒ 45°/TRANS WAVE ☐ 60°/TRANS WAVE
TRANSDUCER SIZE/FREQ: ☐ 0.25" DIA/2.25 MHz ☒ 0.5" DIA/2.25 MHz ☐ 1.0" DIA/2.25 MHz
SERIAL NO.: L07944 ☐ 1.0" DIA/2.25 MHz ☒ 0.5"x0.5"/2.25 MHz
TRANSDUCER TYPE: ☒ CERAMIC SINGLE ELEMENT ☐ CERAMIC DUAL ELEMENT ☐ OTHER
WEDGE TYPE: ☒ STANDARD WEDGE ☐ SPECIAL WEDGE/TYPE
CALCULATED BEAM ANGLE IN MATERIAL: θ_2 = 44.7 °

E. Cable: LENGTH: 6 FT. TYPE: ☐ RG-58 ☐ RG-59 ☐ RG-57 ☒ RG-174 ☐ OTHER

F. Calibration Orientation: CALIBRATION REFERENCE REFLECTOR: ☐ PARALLEL ☒ TRANSVERSE TO PIPE AXIS ... to hole center
FOR DUAL ELEMENT: SPLIT FOR MAXIMUM RESPONSE ☐ PARALLEL ☐ TRANSVERSE

G. Calibration Standards: LSCS CAL STD NO. 01-18-01 THICKNESS .57" DIAMETER 18"
MATERIAL: ☒ CARBON ☐ STAINLESS ☐ INCONEL ☐ OTHER

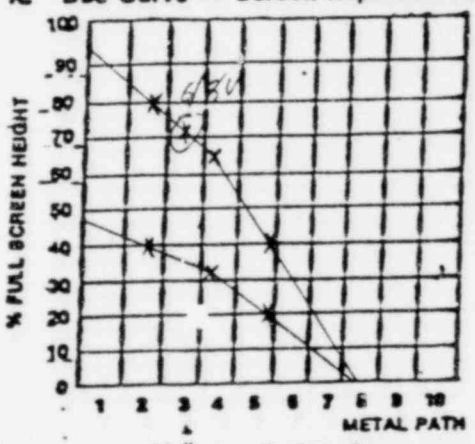
H. Couplant: ☒ GLYCERINE ☐ ULTRAGEL II ☐ OTHER

I. Comments: +6 dB = 6/8 V TO 100% DAC

J. Dac Curve — Data

REFLECTOR 00	PEAK AMP 01	W1 02	Wm 03	W2 04	MP1 05	MPm 06	MP2 07	HOLE DEPTH 08
¼ T or 4/8 Vee	80%		.57			.80		
½ T or 5/8 Vee	65%		1.16			1.65		
¾ T or 1 2/8 Vee	40%		1.72			2.45		
B.P. or 6/8 Vee	100% +6		.87			1.2		.27

K. Dac Curve — Screen Representation



L. Instrument Settings/Checks

CONTROLS 00	SET 01	CHECK BOXES 02 03 04 05 06 07 08 09
GAIN	46	✓
SCAN GAIN	54	✓
SWEEP	2.5/883	✓
DELAY	7.54	✓
FILTER	AUTO	✓
REP RATE	MED	✓
SPIKING	OFF	✓
REJECT	OFF	✓
OTHER	NA	✓

M. Calibration Time — Records

1981 DATE	01 ORIG. CAL TIME	02 CAL CHECK TIME	03 LAST E.D.S. #	04 LAST E.D.S. LINE #	05 VERIFICATION OF 25°F LIMIT (YES/NO)
4-29	1315	NA	NA	NA	YES
4-29	NA	1450	92408	2	YES

N. Reviewed By: NDE SUPERVISOR [signature] DATE 4/30/81
Q.C. SUPERVISOR [signature] DATE 5/1/81
AUTHORIZED INSPECTOR [signature] DATE 5-11-81

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

EDS # 92408

CDS # 92407

EXHIBIT 3

ULTRASONIC EXAMINATION DATA SHEET

LaSALLE COUNTY NUCLEAR STATION UNIT 1

PROCEDURE NO. MPUP-S751 REV. 6

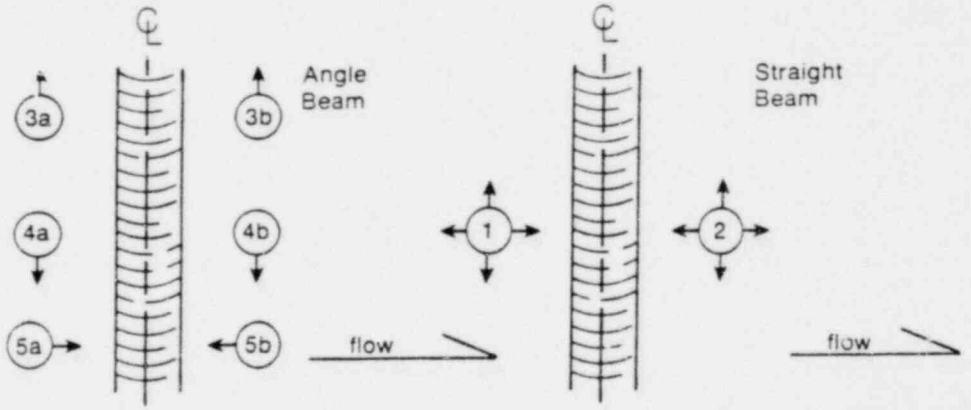
EXAMINATION PERSONNEL:
NAME [signature] LEVEL II ; NAME M E Williams LEVEL I T

SEARCH UNIT BEAM ANGLE: 0°: ____ 45°: X 60°: ____ OTHER ____

COUPLANT: GLYCERINE: X ULTRAGEL II: ____ OTHER ____

SCAN SENSITIVITY: (+) 8 dB

SCAN ORIENTATION



DATE 1981	LINE NO.	EXAM I.D.	COMP FIG.	MAX AMP	L 1/ W 1	L m/ W m	L 2/ W 2	MP 1	MP m	MP 2	SCAN	STAT.	COMMENTS
4-29	1	IRH-1023 4A	P-E	50		INT .5			.85		5B	E	Scan of Repair Area 5" Each Side of TDC
4-29	2	4A	P-E	50		INT .65			1.65		5B	A	FDFT

REVIEWED BY:
NDE SUPERVISOR [signature] DATE 4/30/81

QC SUPERVISOR [signature] DATE 5/1/81

AUTHORIZED INSPECTOR [signature] DATE 5-11-81

GE-113

LASALLE UNIT 2 1

WELD 1RH-1023-4A

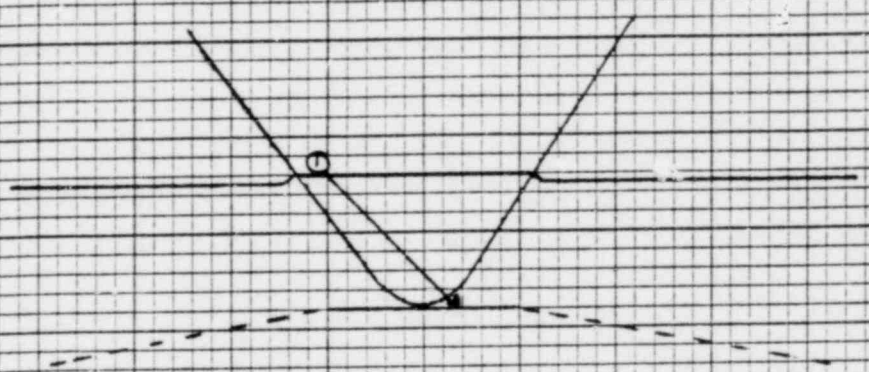
EDS 92408

T_p = .59

T_w = .63

T_e = .68

GENERAL ELECTRIC



LINE	EVALUATION
1	ID geometry from weld root

EVALUATED BY L W Wheatley Level III DATE 5/1/81

REVIEWED BY W J Caldwell ANII DATE 5-11-81

PAGE 1 DATA A101
Cal Sheet No. A100

UT CALIBRATION DATA SHEET

SITE LASALLE I ☒ PREOPERATIONAL ☐ INSERVICE
PROCEDURE No APUN-5751 REV 2 CALIB BLOCK No. 019103
DATE 10-23-79 COUPLANT H2O CAL STD TEMP 71°
EXAMINER [signature] ASNT LEVEL II
RECORDER N/A ASNT LEVEL N/A
EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22587F
TRANSDUCER PACKAGE No. 3 45°-6db 60°-7db
AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB
○ ⊘ ○ ○ ○ ○

FILTER

1 2 3 4
○ ○ ⊘ ○

AMPLITUDE GATE

FLAW GATE LEVEL
119

BACK ECHO LEVEL
439

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7.062

TRANSDUCER DATA
SERIAL No. H11851 BEAM ANGLE 0
SIZE 1" ⌀ FREQ 2.25
SHOE No. N/A CABLE No. 2
CHECK MADE BY: [signature]

REP RATE 551 SWEEP DELAY 300

REVIEWED BY [signature]
SNT-TC-1A LEVEL

w J. Caldwell ANII HSB
3-27-81

Data A103

PAGE 1
Cal Sheet No. A102

UT CALIBRATION DATA SHEET

SITE LA SALLE I ☒ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. HPUM-571 REV 3 CALIB BLOCK No. 019103

DATE 12/26/79 COUPLANT H2O CAL STD TEMP 70°

EXAMINER Paul Ramsey ASNT LEVEL II

RECORDER ~~[illegible]~~ N/A ASNT LEVEL ~~II~~ N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. USIP SERIAL No. 22587F

TRANSDUCER PACKAGE No. 3 45° = -6
60° = -7

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB

○ ⊗ ○ ○ ○ ○

FILTER

1 2 3 4

○ ○ ⊗ ○

AMPLITUDE GATE

FLAW GATE LEVEL 253

BACK ECHO LEVEL 397

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7.062

TRANSDUCER DATA

SERIAL No. H11851 BEAM ANGLE 0

SIZE 1" ø FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P Ramsey

REP RATE 504 SWEEP DELAY 328

REVIEWED BY R E Link III
SNT-TC-1A LEVEL

W. J. Caldwell ANII – MSB
3-27-81

Data A103

PAGE 3

Cal Sheet No. A102

CHANNEL 2 0° ☑ 45° ☐ 60° ☐ OTHER ___ °

TRANSDUCER SIZE 1" Ø FREQUENCY 2.25 MHz

TRANSDUCER S/N H11851 IIW-2 BEAM ANGLE 0°

CABLE NO. 2 LENGTH 100' TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	15.1	80
1/2	3.53	30.1	80
3/4	5.297	45.4	80

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
115:05				
1849				
		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH ___	% FSH	50% FSH ___	% FSH
90% " ___	"	40% " ___	"
80% " 40	"	30% " ___	"
70% " ___	"	20% " ___	"
60% " ___			

SEE CHANNEL 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	___	(32-48)
80% "	−12db	___	(16-24)
40% "	+6db	___	(64-96)
20% "	+12db	___	(64-96)

SEE CHANNEL 10

ANGLE BEAM SPREAD AT 1 X 45° ___ OR 60° ___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2				N/A						
3/4										

CHANNEL 10 0° ☑ 45° ☐ 60° ☐ OTHER ___ °

TRANSDUCER SIZE 1" Ø FREQUENCY 2.25 MHz

TRANSDUCER S/N H11851 IIW-2 BEAM ANGLE 0°

CABLE NO. 2 LENGTH 100' TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	15.0	N/A
1/2	3.53	30.1	(
3/4	5.297	45.3	)
BE	7.06	57.2	80

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
115:05				
18:49				
		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH 50	% FSH	50% FSH 26	% FSH
90% " 46	"	40% " 21	"
80% " 40	"	30% " 16	"
70% " 35	"	20% " 11	"
60% " 30			

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	39	(32-48)
80% "	−12db	18	(16-24)
40% "	+6db	84	(64-96)
20% "	+12db	84	(64-96)

ANGLE BEAM SPREAD AT 1 X 45° ___ OR 60° ___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2					N/A					
3/4										

PAGE 1
Cal Sheet No. A104

UT CALIBRATION DATA SHEET

SITE LA SALLE I ☒ PREOPERATIONAL ☐ INSERVICE
PROCEDURE No. APUN-5751 REV 2 CALIB BLOCK No. 019103
DATE 10-27-79 COUPLANT H2O CAL STD TEMP. 70°
EXAMINER P. Ramsey ASNT LEVEL II
RECORDER N/A ASNT LEVEL N/A
EQUIPMENT DATA: INSTRUMENT MODEL No. KB1 SERIAL No. 22587F
TRANSDUCER PACKAGE No. 3

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB 45° = -6 db 60° = -7 db
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB
○ ⊘ ○ ○ ○ ○

FILTER

1 2 3 4
○ ○ ⊘ ○

AMPLITUDE GATE

FLAW GATE LEVEL 237

BACK ECHO LEVEL 397

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7.062

TRANSDUCER DATA
SERIAL No. H1185J BEAM ANGLE 0°
SIZE 1" ϕ FREQ 2.25
SHOE No. N/A CABLE No. 2
CHECK MADE BY: P Ramsey

REP RATE 504 SWEEP DELAY 328

REVIEWED BY _____
SNT-TC-1A LEVEL

W. J. Caldwell ANII - HSB
3-27-81

PAGE 4
Cal Sheet No. A104

CHANNEL 2 0° ☒ 45° ☐ 60° ☐ OTHER ____°
TRANSDUCER SIZE 1"Ø FREQUENCY 2.25 MHz
TRANSDUCER S/N H 11351 IIW-2 BEAM ANGLE 0°
CABLE NO. 2 LENGTH 100' TYPE RG 179

HOLE DEPTH "T"	INCHES	TRANSIT TIME µsec	MAX AMP
1/4	1.77	15.0	80
1/2	3.53	30.1	∫
3/4	5.30	45.3	∫

CALIBRATION CHECKS				
TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
1934				
1206				
1445		N/A		
1943				
F2214				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH		% FSH	50% FSH		% FSH
90% "		"	40% "		"
80% "	40	"	30% "		"
70% "			20% "		"
60% "					

SEE CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db		(32-48)
80% "	−12db		(16-24)
40% "	+6db		(64-96)
20% "	+12db		(64-96)

SEE CH 10

ANGLE BEAM SPREAD AT 1 X 45°___ OR 60°___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2				N/A						
3/4										

CHANNEL 10 0° ☒ 45° ☐ 60° ☐ OTHER ____°
TRANSDUCER SIZE 1"Ø FREQUENCY 2.25 MHz
TRANSDUCER S/N H-11351 IIW-2 BEAM ANGLE 0°
CABLE NO. 2 LENGTH 100' TYPE RG 179

HOLE DEPTH "T"	INCHES	TRANSIT TIME µsec	MAX AMP
1/4	1.77	15.0	N/A
1/2	3.53	30.1	∫
3/4	5.30	45.3	∫
B.E	7.06	59.2	80

CALIBRATION CHECKS				
TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
1934				
1206				
1445		N/A		
1843				
F2214				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	50	% FSH	50% FSH	26	% FSH
90% "	44	"	40% "	20	"
80% "	~~40~~ 39	"	30% "	16	"
70% "	35		20% "	10	"
60% "	30				

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	38	(32-48)
80% "	−12db	18	(16-24)
40% "	+6db	84	(64-96)
20% "	+12db	86	(64-96)

ANGLE BEAM SPREAD AT 1 X 45°___ OR 60°___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2				N/A						
3/4										

PAGE 1
Cal Sheet No. A107B

UT CALIBRATION DATA SHEET

SITE La Salle I ☑ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APUN-5751 REV 2 CALIB BLOCK No. ~~0910~~ 1621 01-91-03

DATE 10-28-79 COUPLANT H2O CAL STD TEMP 71°

EXAMINER P Ramsey ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22587F

TRANSDUCER PACKAGE No. 3

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB 45°-6db, 60°-7db
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 ○ 2.25 ✓ 5.0 ○ 10.0 ○ 15 ○ 88 ○

FILTER

1 ○ 2 ○ 3 ✓ 4 ○

AMPLITUDE GATE

FLAW GATE LEVEL

261

BACK ECHO LEVEL

397

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7.06

TRANSDUCER DATA

SERIAL No. H11857 BEAM ANGLE 0°

SIZE 1" ϕ FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P Ramsey

REP RATE 504 SWEEP DELAY 328

REVIEWED BY R E Smith III
SNT-TC-1A LEVEL

W. J. Caldwell ANII - HSB
3-27-81

PAGE 3
Cal Sheet No. A107B

CHANNEL 2 0° ☑ 45° ☐ 60° ☐ OTHER ____°
TRANSDUCER SIZE 1" Ø FREQUENCY 2.25 MHz
TRANSDUCER S/N H11851 IIW-2 BEAM ANGLE 0°
CABLE NO. 2 LENGTH 100' TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	15.1	80
1/2	3.53	30.2	(
3/4	5.30	45.2	)

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
11:38				
15:23				
19:07		N/A		
~~20:57~~ PRR				
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH ____	% FSH	50% FSH ____	% FSH
90% " ____	"	40% " ____	"
80% " 40	"	30% " ____	"
70% " ____		20% " ____	"
60% " SEE CH 10			

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	____	(32-48)
80% "	−12db	____	(16-24)
40% "	+6db	____	(64-96)
20% "	+12db	____	(64-96)
SEE CH 10			

ANGLE BEAM SPREAD AT 1 X 45°__ OR 60°__
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2				N/A						
3/4										

CHANNEL 10 0° ☑ 45° ☐ 60° ☐ OTHER ____°
TRANSDUCER SIZE 1" Ø FREQUENCY 2.25 MHz
TRANSDUCER S/N H11851 IIW-2 BEAM ANGLE 0°
CABLE NO. 2 LENGTH 100' TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	15.1	N/A
1/2	3.53	30.2	(
3/4	5.30	45.2	)
BE	7.06	60.1	80

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
11:38				
15:23				
19:07		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH 50	% FSH	50% FSH 26	% FSH
90% " ~~48~~	"	40% " 21	"
80% " ~~40~~ 41	"	30% " 16	"
70% " 36		20% " 11	"
60% " 30			

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	38	(32-48)
80% "	−12db	18	(16-24)
40% "	+6db	84	(64-96)
20% "	+12db	88	(64-96)

ANGLE BEAM SPREAD AT 1 X 45°__ OR 60°__
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2				N/A						
3/4										

PAGE 4
Cal Sheet No. A107B

CHANNEL 4 0° ☐ 45° ☑ 60° ☐ OTHER ___°
TRANSDUCER SIZE 1" Ø FREQUENCY 2.25 MHz
TRANSDUCER S/N K20800 IIW-2 BEAM ANGLE 44
CABLE NO. 4 LENGTH 100' TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	39.9	80
1/2	3.53	80.2	S
3/4	5.30	120.1	

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
11:38				
15:23				
19:07	N/A			
20:57				
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH		% FSH	50% FSH		% FSH
90% "		"	40% "		"
80% "	40	"	30% "		"
70% "			20% "		"
60% "					

SEE CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db		(32-48)
80% "	−12db		(16-24)
40% "	+6db		(64-96)
20% "	+12db		(64-96)

SEE CH 10

ANGLE BEAM SPREAD AT 1 X 45° ___ OR 60° ___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2	SEE CAL SHEET A100									
3/4										

CHANNEL 5 0° ☐ 45° ☐ 60° ☑ OTHER ___°
TRANSDUCER SIZE 1" Ø FREQUENCY 2.25 MHz
TRANSDUCER S/N K20805 IIW-2 BEAM ANGLE 59°
CABLE NO. 5 LENGTH 100' TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	57.0	80
1/2	3.53	112.8	S
3/4	5.30	170.2	

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
11:38				
15:23				
19:07	N/A			
20:57				
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH		% FSH	50% FSH		% FSH
90% "		"	40% "		"
80% "	40	"	30% "		"
70% "			20% "		"
60% "					

SEE CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db		(32-48)
80% "	−12db		(16-24)
40% "	+6db		(64-96)
20% "	+12db		(64-96)

SEE CH 10

ANGLE BEAM SPREAD AT 1 X 45° ___ OR 60° ___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPT	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2	SEE CAL SHEET A100									
3/4										

PAGE 1
Cal Sheet No. 4110

UT CALIBRATION DATA SHEET

SITE La Salle I ☑ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APUN-5751 REV 2 CALIB BLOCK No. 019103

DATE 10-30-79 COUPLANT H2O CAL STD TEMP 71°

EXAMINER P Ramsey ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KB1 SERIAL No. 22587F

TRANSDUCER PACKAGE No. 3 4 6 a 45°-6db b 45°-7db

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB (SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION) 60°-7db 60°-6db

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 ○ 2.25 ✓ 5.0 ○ 10.0 ○ 15 ○ BB ○

FILTER

1 ○ 2 ○ 3 ✓ 4 ○

AMPLITUDE GATE

FLAW GATE LEVEL 237

BACK ECHO LEVEL 397

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7.06

TRANSDUCER DATA

SERIAL No. H11851 BEAM ANGLE 0°

SIZE 1" ϕ FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P Ramsey

REP RATE 538 SWEEP DELAY 328

REVIEWED BY R. E. Kind III

SNT-TC-1A LEVEL

W. J. Caldwell ANII - HSB 3-27-81

PAGE 1
Cal Sheet No. A112

UT CALIBRATION DATA SHEET

SITE LaSalle I ☒ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APUR-5751 REV 2 CALIB BLOCK No. 019103

DATE 10-31-79 COUPLANT H2O CAL STD TEMP 72°

EXAMINER P Ramsey ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22587F

TRANSDUCER PACKAGE No. 3 & 6

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB 45° 3/4 -6db 60°-7db 45° 5/4 -7db 60° -6 db
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB

○ ⊗ ○ ○ ○ ○

FILTER

1 2 3 4

○ ○ ⊗ ○

AMPLITUDE GATE

FLAW GATE LEVEL

237

BACK ECHO LEVEL

397

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7.06

TRANSDUCER DATA

SERIAL No. H 11851 BEAM ANGLE 0°

SIZE 1" ϕ FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P Ramsey

REP RATE 539 SWEEP DELAY 328

REVIEWED BY _____ III
SNT-TC-1A LEVEL

W. J. Caldwell ANII - HSB
3-27-81

PAGE 1
Cal Sheet No. A114

UT CALIBRATION DATA SHEET

SITE La Salle I ☑ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APUV-5751 REV 2 CALIB BLOCK No. 019103

DATE 11/1/79 COUPLANT H_2O CAL STD TEMP 70°

EXAMINER Paul Ramsey ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22587F

TRANSDUCER PACKAGE No. 326 3 45°-6db & 45°-7db 60°-7db 60°-6db

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB

○ ⊘ ○ ○ ○ ○

FILTER

1 2 3 4

○ ○ ⊘ ○

AMPLITUDE GATE

FLAW GATE LEVEL

044

BACK ECHO LEVEL

397

EQUIP DATA – ANGLE BEAM
FOR LINEARITY CHECKS

CODE BLOCK T 7.06

TRANSDUCER DATA

SERIAL No. #11851 BEAM ANGLE 0°

SIZE 1" Ø FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: Paul Ramsey

REP RATE 539

SWEEP DELAY 328

REVIEWED BY _____ III
SNT-TC-1A LEVEL

W-J. Caldwell ANII - HSB
3-27-81

PAGE 1
Cal Sheet No. A116

UT CALIBRATION DATA SHEET

SITE La Salle I ☑ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APUV-575 REV 2 CALIB BLOCK No. 019103

DATE 11-3-79 COUPLANT H20 CAL STD TEMP 69

EXAMINER P. Ramsey ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22581F

TRANSDUCER PACKAGE No. 3

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB 45°-6db, 60°-7db
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB

○ ⊘ ○ ○ ○ ○

FILTER

1 2 3 4

○ ○ ⊘ ○

AMPLITUDE GATE

FLAW GATE LEVEL

237

BACK ECHO LEVEL

397

EQUIP DATA – ANGLE BEAM
FOR LINEARITY CHECKS

CODE BLOCK T 2.06

TRANSDUCER DATA

SERIAL No. H11851 BEAM ANGLE 0°

SIZE 1"ϕ FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P Ramsey

REP RATE 540 SWEEP DELAY 328

REVIEWED BY _____ III
SNT-TC-1A LEVEL

W. J. Caldwell ANII - HSB
3-27-81

PAGE 3
Cal Sheet No. A116

CHANNEL 2 — 0° ☒ 45° ☐ 60° ☐ OTHER ___°
TRANSDUCER SIZE 1" ø — FREQUENCY 2.25 MHz
TRANSDUCER S/N H11851 — IIW-2 BEAM ANGLE 0°
CABLE NO. 2 — LENGTH 100' — TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME µsec	MAX AMP
1/4	1.77	15.1	80
1/2	3.53	30.2	∫
3/4	5.30	45.5	∫

CALIBRATION CHECKS

TIME	NEAR AMPLITUDE	Δ TIME	FAR AMPLITUDE	Δ TIME
15:09				
18:59				
22:39		N/A		
0206				
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH ___	% FSH	50% FSH ___	% FSH
90% " ___	"	40% " ___	"
80% " 40	"	30% " ___	"
70% " ___		20% " ___	"
60% " ___			

SEE CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	–6db	___	(32-48)
80% "	–12db	___	(16-24)
40% "	+6db	___	(64-96)
20% "	+12db	___	(64-96)

SEE CH 10

ANGLE BEAM SPREAD AT 1 X 45°__ OR 60°__
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY 25% DAC W	25% DAC Δ TIME	50% DAC W	50% DAC Δ TIME	100% DAC W	100% DAC Δ TIME	LEADING RAY 50% DAC W	50% DAC Δ TIME	25% DAC W	25% DAC Δ TIME
1/4										
1/2			N/A							
3/4										

CHANNEL 10 — 0° ☒ 45° ☐ 60° ☐ OTHER ___°
TRANSDUCER SIZE 1" ø — FREQUENCY 2.25 MHz
TRANSDUCER S/N H11851 — IIW-2 BEAM ANGLE 0°
CABLE NO. 2 — LENGTH 100 — TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME µsec	MAX AMP
1/4	1.77	15.1	N/A
1/2	3.53	30.2	∫
3/4	5.30	45.5	∫
BE	7.06	60.4	80

CALIBRATION CHECKS

TIME	NEAR AMPLITUDE	Δ TIME	FAR AMPLITUDE	Δ TIME
15:09				
18:59				
22:39		N/A		
0206				
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH 52	% FSH	50% FSH 26	% FSH
90% " 45	"	40% " 20	"
80% " 40	"	30% " 5	"
70% " 35		20% " 10	"
60% " 30			

CONTROL LINEARITY (MADE DAILY)

80% FSH	–6db	38	(32-48)
80% "	–12db	18	(16-24)
40% "	+6db	34	(64-96)
20% "	+12db	86	(64-96)

ANGLE BEAM SPREAD AT 1 X 45°__ OR 60°__
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY 25% DAC W	25% DAC Δ TIME	50% DAC W	50% DAC Δ TIME	100% DAC W	100% DAC Δ TIME	LEADING RAY 50% DAC W	50% DAC Δ TIME	25% DAC W	25% DAC Δ TIME
1/4										
1/2			N/A							
3/4										

PAGE 1
Cal Sheet No. A121

UT CALIBRATION DATA SHEET

SITE La Salle I ☑ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APUN-S7 Rev 1 2 CALIB BLOCK No. 019103

DATE 11-9-79 COUPLANT H20 CAL STD TEMP 69°

EXAMINER P Ramsey ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22857E

TRANSDUCER PACKAGE No. 3

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB 45° 6db 60° 7db
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB

○ ◉ ○ ○ ○ ○

FILTER

1 2 3 4

○ ○ ◉ ○

AMPLITUDE GATE

FLAW GATE LEVEL 239

BACK ECHO LEVEL 342

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7.06

TRANSDUCER DATA

SERIAL No. H11951 BEAM ANGLE 0°

SIZE 1" ϕ FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P Ramsey

REP RATE 540 SWEEP DELAY 328

REVIEWED BY [signature] III
SNT-TC-1A LEVEL

W. J. Caldwell ANII - HSB
3-27-81

PAGE 1
Cal Sheet No. A125

UT CALIBRATION DATA SHEET

SITE La Salle I ☒ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APUM-575 REV 2 CALIB BLOCK No. 019103

DATE 11-5-79 COUPLANT H_2O CAL STD TEMP 70°

EXAMINER P Ramsey ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22587F

TRANSDUCER PACKAGE No. 3

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB 45°-6db, 60°-7db
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB

○ ⊗ ○ ○ ○ ○

FILTER

1 2 3 4

○ ○ ⊗ ○

AMPLITUDE GATE

FLAW GATE LEVEL 234

BACK ECHO LEVEL 397

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7.06

TRANSDUCER DATA

SERIAL No. H1185 BEAM ANGLE 0°

SIZE 1"Ø FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P Ramsey

REP RATE 540 SWEEP DELAY 328

REVIEWED BY _____ III
SNT-TC-1A LEVEL

W. J. Caldwell ANII - HSB
3-27-81

PAGE 3
Cal Sheet No. A125

CHANNEL 2 0° ☒ 45° ☐ 60° ☐ OTHER °
TRANSDUCER SIZE 1" ø FREQUENCY 2.25 MHz
TRANSDUCER S/N H11851 IIW-2 BEAM ANGLE 0°
CABLE NO. 2 LENGTH 100' TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME µsec	MAX AMP
1/4	1.77	15.1	8
1/2	3.53	30.2	∫
3/4	5.30	45.4	∫

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
17:07				
20:52		N/A		
23:16				
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH		% FSH	50% FSH		% FSH
90% "		"	40% "		"
80% "	40	"	30% "		"
70% "			20% "		"
60% "		See CH 10			

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db		(32-48)
80% "	−12db		(16-24)
40% "	+6db		(64-96)
20% "	+12db		(64-96)
	See CH 10		

ANGLE BEAM SPREAD AT 1 X 45° ___ OR 60° ___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY 25% DAC W	25% DAC Δ TIME	50% DAC W	50% DAC Δ TIME	100% DAC W	100% DAC Δ TIME	LEADING RAY 50% DAC W	50% DAC Δ TIME	25% DAC W	25% DAC Δ TIME
1/4										
1/2					N/A					
3/4										

CHANNEL 10 0° ☒ 45° ☐ 60° ☐ OTHER °
TRANSDUCER SIZE 1" FREQUENCY 2.25 MHz
TRANSDUCER S/N H11851 IIW-2 BEAM ANGLE 0°
CABLE NO. 2 LENGTH 100' TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME µsec	MAX AMP
1/4	1.77	15.1	N/A
1/2	3.53	30.2	∫
3/4	5.30	45.4	∫
RE	7.06	60.2	80

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
17:07				
20:52		N/A		
23:16				
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	52	% FSH	50% FSH	26	% FSH
90% "	46	"	40% "	20	"
80% "	41	"	30% "	15	"
70% "	36		20% "	10	"
60% "	30				

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	38	(32-48)
80% "	−12db	18	(16-24)
40% "	+6db	82	(64-96)
20% "	+12db	86	(64-96)

ANGLE BEAM SPREAD AT 1 X 45° ___ OR 60° ___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY 25% DAC W	25% DAC Δ TIME	50% DAC W	50% DAC Δ TIME	100% DAC W	100% DAC Δ TIME	LEADING RAY 50% DAC W	50% DAC Δ TIME	25% DAC W	25% DAC Δ TIME
1/4										
1/2					N/A					
3/4										

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Cal Sheet No. 4128

UT CALIBRATION DATA SHEET

SITE La Salle I ☒ PREOPERATIONAL ☐ INSERVICE
PROCEDURE No. APUNS-75 REV 2 CALIB BLOCK No. 019103
DATE 11-6-79 COUPLANT H2O CAL STD TEMP 70°
EXAMINER P Ramsey ASNT LEVEL II
RECORDER N/A ASNT LEVEL N/A
EQUIPMENT DATA INSTRUMENT MODEL No. KBI SERIAL No. 22557F
TRANSDUCER PACKAGE No. 3

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB 45°-6db, 60°-7db
(SHEAR WAVE ONLY. REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB
○ ◉ ○ ○ ○ ○

FILTER

1 2 3 4
○ ○ ◉ ○

AMPLITUDE GATE

FLAW GATE LEVEL 238

BACK ECHO LEVEL 393

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7.06

TRANSDUCER DATA
SERIAL No. H11851 BEAM ANGLE 0°
SIZE 1"ϕ FREQ 2.25
SHOE No. N/A CABLE No. 2
CHECK MADE BY P Ramsey

REP RATE 540 SWEEP DELAY 328

REVIEWED BY R. C. Lind III
SNT-TC-1A LEVEL

W J Caldwell ANII - HSB
3-27-81

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Cal Sheet No. ~~A128~~ A128

CHANNEL 2 — 0° ☑ 45° ☐ 60° ☐ OTHER ____°

TRANSDUCER SIZE 1"Ø — FREQUENCY 2.25 MHz

TRANSDUCER S/N H11851 — IIW-2 BEAM ANGLE 0°

CABLE NO. 2 — LENGTH 100' — TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1,77	15.1	80
1/2	3,53	30.1	∫
3/4	5,30	45.3	∫

CALIBRATION CHECKS

TIME	NEAR AMPLITUDE	Δ TIME	FAR AMPLITUDE	Δ TIME
12031				
2251				
0023		N/A		
0303				
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	____	% FSH	50% FSH	____	% FSH
90% "	____	"	40% "	____	"
80% "	40	"	30% "	____	"
70% "	____	"	20% "	____	"
60% "	____				

SEE CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	____	(32-48)
80% "	−12db	____	(16-24)
40% "	+6db	____	(64-96)
20% "	+12db	____	(64-96)

SEE CH 10

ANGLE BEAM SPREAD AT 1 X 45°___ OR 60°___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2			N/A							
3/4										

CHANNEL 10 — 0° ☑ 45° ☐ 60° ☐ OTHER ____°

TRANSDUCER SIZE 1"Ø — FREQUENCY 2.25 MHz

TRANSDUCER S/N H11851 — IIW-2 BEAM ANGLE 0°

CABLE NO. 2 — LENGTH 100' — TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1,77	15.1	N/A
1/2	3,53	30.2	∫
3/4	5,30	45.4	∫
BE	7,06	60.2	80

CALIBRATION CHECKS

TIME	NEAR AMPLITUDE	Δ TIME	FAR AMPLITUDE	Δ TIME
12031				
2251				
0023		N/A		
0303				
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	51	% FSH	50% FSH	26	% FSH
90% "	45	"	40% "	20	"
80% "	40	"	30% "	16	"
70% "	36	"	20% "	10	"
60% "	30				

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	38	(32-48)
80% "	−12db	18	(16-24)
40% "	+6db	84	(64-96)
20% "	+12db	90	(64-96)

ANGLE BEAM SPREAD AT 1 X 45°___ OR 60°___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2			N/A							
3/4										

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Cal Sheet No. A136

UT CALIBRATION DATA SHEET

SITE La Salle I ☑ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APUV-5751 REV 3 CALIB BLOCK No. 019103

DATE 11-16-79 COUPLANT H2O CAL STD TEMP 70°

EXAMINER P Ramsey ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22587 F

TRANSDUCER PACKAGE No. 12&13 45°-5 12 13 45-5 60-5 60-5

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB OUT	dB IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 ○ 2.25 ○ 5.0 ○ 10.0 ○ 15 ○ BB ○

FILTER

1 ○ 2 ○ 3 ○ 4 ○

AMPLITUDE GATE

FLAW GATE LEVEL 237

BACK ECHO LEVEL 376

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7,06

TRANSDUCER DATA D03914

SERIAL No. ~~HHBST~~ PRR BEAM ANGLE 0°

SIZE 1"ϕ FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P Ramsey

REP RATE 598 SWEEP DELAY 321

REVIEWED BY _____ III
SNT-TC-1A LEVEL

W. J. Caldwell ANII - HSB
3-27-81

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Cal Sheet No. A136

CHANNEL 2 — 0° ☑ 45° ☐ 60° ☐ OTHER ___°
TRANSDUCER SIZE 1"Ø — FREQUENCY 2.25 MHz
TRANSDUCER S/N D03914 — IIW-2 BEAM ANGLE 0°
CABLE NO. 2 — LENGTH 100' — TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	15.1	80
1/2	3.53	30.1	∫
3/4	5.30	45.4	∫

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
12:00				
03:59				
		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	___	% FSH	50% FSH	___	% FSH
90% "	___	"	40% "	___	"
80% "	40	"	30% "	___	"
70% "	___		20% "	___	"
60% "	___				

SEE CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	___	(32-48)
80% "	−12db	___	(16-24)
40% "	+6db	___	(64-96)
20% "	+12db	___	(64-96)

SEE CH 10

ANGLE BEAM SPREAD AT 1 X 45°___ OR 60°___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2					N/A					
3/4										

CHANNEL 10 — 0° ☑ 45° ☐ 60° ☐ OTHER ___°
TRANSDUCER SIZE 1"Ø — FREQUENCY 2.25 MHz
TRANSDUCER S/N D03914 — IIW-2 BEAM ANGLE 0°
CABLE NO. 2 — LENGTH 100' — TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	15.1	80
1/2	3.53	30.2	∫
3/4	5.30	45.4	∫
BE	7.06	60.2	80

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
12:00				
03:59				
		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	50	% FSH	50% FSH	26	% FSH
90% "	45	"	40% "	20	"
80% "	40	"	30% "	15	"
70% "	35		20% "	10	"
60% "	30				

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	38	(32-48)
80% "	−12db	18	(16-24)
40% "	+6db	84	(64-96)
20% "	+12db	56	(64-96)

ANGLE BEAM SPREAD AT 1 X 45°___ OR 60°___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2					N/A					
3/4										

PAGE 4
Cal Sheet No. A136

CHANNEL 4 | 0° ☐ 45° ☑ 60° ☐ OTHER ___°
TRANSDUCER SIZE 1"Ø | FREQUENCY 2.25 MHz
TRANSDUCER S/N K23981 | IIW-2 BEAM ANGLE 43°
CABLE NO. 4 | LENGTH 100' | TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME µsec	MAX AMP
1/4	1.77	40.5	80
1/2	3.53	80.9	∫
3/4	5.30	120.8	∫

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
121.00				
03.59			/	
		N/A		
F	/			

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	___	% FSH	50% FSH	___	% FSH
90% "	___	"	40% "	___	"
80% "	40	"	30% "	___	"
70% "	___		20% "	___	"
60% "	___				

SEE CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	___	(32-48)
80% "	−12db	___	(16-24)
40% "	+6db	___	(64-96)
20% "	+12db	___	(64-96)

SEE CH. 10

ANGLE BEAM SPREAD AT 1 X 45° ___ OR 60° ___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4	1.5	34.9	1.65	37.0	2.0	40.5	2.15	42.5	2.2	42.9
1/2	3.45	76.0	3.55	77.6	3.85	80.9	4.2	84.8	4.3	85.8
3/4	5.2	115.0	5.35	117.3	5.8	120.8	6.1	125.3	6.4	127.8

CHANNEL 5 | 0° ☐ 45° ☐ 60° ☑ OTHER ___°
TRANSDUCER SIZE 1"Ø | FREQUENCY 2.25 MHz
TRANSDUCER S/N K23982 | IIW-2 BEAM ANGLE 59°
CABLE NO. 5 | LENGTH 100' | TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME µsec	MAX AMP
1/4	1.77	55.5	80
1/2	3.53	110.6	∫
3/4	5.30	167.8	∫

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
121.00				/
03.59			/	
		N/A		
F	/			

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	___	% FSH	50% FSH	___	% FSH
90% "	___	"	40% "	___	"
80% "	40	"	30% "	___	"
70% "	___		20% "	___	"
60% "	___				

SEE CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	___	(32-48)
80% "	−12db	___	(16-24)
40% "	+6db	___	(64-96)
20% "	+12db	___	(64-96)

SEE CH 10

ANGLE BEAM SPREAD AT 1 X 45° ___ OR 60° ___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4	2.6	47.8	2.9	52.1	3.2	55.5	3.4	58.9	3.5	59.9
1/2	5.7	102.3	5.8	104.9	6.45	110.6	7.0	119.6	7.2	122.7
3/4	8.7	156.2	9.0	160.5	9.5	167.8	10.0	173.2	10.2	175.6

PAGE 1
Cal Sheet No. A138

UT CALIBRATION DATA SHEET

SITE La Salle I ☑ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APUV-5751 REV 3 CALIB BLOCK No. 019103

DATE 11-17- COUPLANT H2O CAL STD TEMP 71°

EXAMINER P Ramsey ASNT LEVEL II

RECORDER _____ ASNT LEVEL _____

EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22587F

TRANSDUCER PACKAGE No. 12 & 13 12: 45-5, 60-5 13: 45-5, 60-5

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 [illegible] 10.0 15 BB

(2.25 selected)

FILTER

1 2 3 4

(3 selected)

AMPLITUDE GATE

FLAW GATE LEVEL 238

BACK ECHO LEVEL 388

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7.062

TRANSDUCER DATA

SERIAL No. D03914 BEAM ANGLE 0°

SIZE 1"ϕ FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P Ramsey

REP RATE 597 SWEEP DELAY 321

REVIEWED BY _____ III
SNT-TC-1A LEVEL

W J Caldwell ANII - HSB
3-27-81

PAGE 3
Cal Sheet No. A138

CHANNEL 2 0° ☑ 45° ☐ 60° ☐ OTHER °
TRANSDUCER SIZE 1"Ø FREQUENCY 2.25 MHz
TRANSDUCER S/N 203914 IIW-2 BEAM ANGLE 0°
CABLE NO. 2 LENGTH 100' TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME µsec	MAX AMP
1/4	1,77	15,1	80
1/2	3,53	30,2	∫
3/4	5,30	45,2	∫

CALIBRATION CHECKS

TIME	NEAR AMPLITUDE	Δ TIME	FAR AMPLITUDE	Δ TIME
20:17				
00:24				
		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH		% FSH	50% FSH		% FSH
90% "		"	40% "		"
80% "	40	"	30% "		"
70% "			20% "		"
60% "	SEE CH 10				

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db		(32-48)
80% "	−12db		(16-24)
40% "	+6db		(64-96)
20% "	+12db		(64-96)
SEE CH 10			

ANGLE BEAM SPREAD AT 1 X 45°__ OR 60°__
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2										
3/4			N/A							

CHANNEL 1A 0° ☒ 45° ☐ 60° ☐ OTHER °
TRANSDUCER SIZE 1" FREQUENCY 2.25 MHz
TRANSDUCER S/N 203914 IIW-2 BEAM ANGLE 0°
CABLE NO. 2 LENGTH 100' TYPE RG-179

HOLE DEPTH "T"	INCHES	TRANSIT TIME µsec	MAX AMP
1/4	1,77	15,1	N/A
1/2	3,53	30,2	∫
3/4	5,30	45,4	∫
BE	7,06	60,2	80

CALIBRATION CHECKS

TIME	NEAR AMPLITUDE	Δ TIME	FAR AMPLITUDE	Δ TIME
20:17				
00:24				
		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	52	% FSH	50% FSH	26	% FSH
90% "	46	"	40% "	21	"
80% "	TRACK 41	"	30% "	16	"
70% "	36		20% "	11	"
60% "	3				

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	38	(32-48)
80% "	−12db	18	(16-24)
40% "	+6db	82	(64-96)
20% "	+12db	84	(64-96)

ANGLE BEAM SPREAD AT 1 X 45°__ OR 60°__
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2				N/A						
3/4										

PAGE 1
Cal Sheet No. A140

UT CALIBRATION DATA SHEET

SITE La Salle 1 ☑ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APUV-5751 REV 3 CALIB BLOCK No. 019103

DATE 11-18-79 COUPLANT H2O CAL STD TEMP 70°

EXAMINER P Ramsey ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KB1 SERIAL No. 22587F

TRANSDUCER PACKAGE No. 12 & 13

12	13
45-5	45-5
60-5	60-5

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB

○ ◉ ○ ○ ○ ○

FILTER

1 2 3 4

○ ○ ◉ ○

AMPLITUDE GATE

FLAW GATE LEVEL 237

BACK ECHO LEVEL 387

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7.06

TRANSDUCER DATA

SERIAL No. D03914 BEAM ANGLE 0°

SIZE 1"Ø FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P Ramsey

REP RATE 597 SWEEP DELAY 321

REVIEWED BY [signature] III
SNT-TC-1A LEVEL

W. J. Caldwell ANII - HSB
3-27-81

PAGE 4
Cal Sheet No. A140

CHANNEL 4 — 0° ☐ 45° ☐ 60° ☐ OTHER ____°
TRANSDUCER SIZE 1"Ø — FREQUENCY 2.25 MHz
TRANSDUCER S/N K23981 — IIW-2 BEAM ANGLE 43°
CABLE NO. 4 — LENGTH 100' — TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	39.7	80
1/2	3.53	79.9	∫
3/4	5.30	120.8	∫

CALIBRATION CHECKS

TIME	NEAR AMPLITUDE	Δ TIME	FAR AMPLITUDE	Δ TIME
17:02				
21:25				
23:04		N/A		
02:40				
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH		% FSH	50% FSH		% FSH
90% "		"	40% "		"
80% "	40	"	30% "		"
70% "		"	20% "		"
60% "					

SEE CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db		(32-48)
80% "	−12db		(16-24)
40% "	+6db		(64-96)
20% "	+12db		(64-96)

SEE CH 10

ANGLE BEAM SPREAD AT 1 X 45°__ OR 60°__
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2	SEE CAL SHEET A136									
3/4										

CHANNEL 5 — 0° ☐ 45° ☐ 60° ☑ OTHER ____°
TRANSDUCER SIZE 1"Ø — FREQUENCY 2.25 MHz
TRANSDUCER S/N K23982 — IIW-2 BEAM ANGLE 59°
CABLE NO. 5 — LENGTH 100' — TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	55.0	80
1/2	3.53	110.7	∫
3/4	5.30	166.4	∫

CALIBRATION CHECKS

TIME	NEAR AMPLITUDE	Δ TIME	FAR AMPLITUDE	Δ TIME
17:02				
21:25				
23:04		N/A		
02:40				
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH		% FSH	50% FSH		% FSH
90% "		"	40% "		"
80% "	40	"	30% "		"
70% "		"	20% "		"
60% "					

SEE CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db		(32-48)
80% "	−12db		(16-24)
40% "	+6db		(64-96)
20% "	+12db		(64-96)

SEE CH 10

ANGLE BEAM SPREAD AT 1 X 45°__ OR 60°__
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2	SEE CAL SHEET A136									
3/4										

PAGE 1
Cal Sheet No. A193 PRR

UT CALIBRATION DATA SHEET

SITE La Salle I ☒ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APH-S751 REV 3 CALIB BLOCK No. 019103

DATE 11-19-79 COUPLANT H2O CAL STD TEMP 71°

EXAMINER P Ramsey ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22587F

TRANSDUCER PACKAGE No. 12813 (12) 45°-5db 60°-5db (13) 45°-5db 60°-5db

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB

○ ◉ ○ ○ ○ ○

FILTER

1 2 3 4

○ ○ ◉ ○

AMPLITUDE GATE

FLAW GATE LEVEL

238

BACK ECHO LEVEL

389

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7.062

TRANSDUCER DATA

SERIAL No. D03914 BEAM ANGLE 0°

SIZE 1"Ø FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P Ramsey

REP RATE 598 SWEEP DELAY 321

REVIEWED BY _____
SNT-TC-1A LEVEL

W. J. Caldwell ANII - HSB
3-27-81

PAGE 4
Cal Sheet No. A143

CHANNEL 4 — 0° ☐ 45° ☑ 60° ☐ OTHER ___°
TRANSDUCER SIZE 1"Ø — FREQUENCY 2.25 MHz
TRANSDUCER S/N K23981 — IIW-2 BEAM ANGLE 43°
CABLE NO. 4 — LENGTH 100' — TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	39.9	80
1/2	3.53	79.9	⌒
3/4	5.30	120.8	⌒

CALIBRATION CHECKS

TIME	NEAR AMPLITUDE	Δ TIME	FAR AMPLITUDE	Δ TIME
12:32				
04:27				
		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	___	% FSH	50% FSH	___	% FSH
90% "	___	"	40% "	___	"
80% "	40	"	30% "	___	"
70% "	___		20% "	___	"
60% "	___				

SEE CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	___	(32-48)
80% "	−12db	___	(16-24)
40% "	+6db	___	(64-96)
20% "	+12db	___	(64-96)

SEE CH 10

ANGLE BEAM SPREAD AT 1 X 45° ___ OR 60° ___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2	SEE CAL SHEET A136									
3/4										

CHANNEL 5 — 0° ☐ 45° ☐ 60° ☑ OTHER ___°
TRANSDUCER SIZE 1"Ø — FREQUENCY 2.25 MHz
TRANSDUCER S/N K23982 — IIW-2 BEAM ANGLE 59°
CABLE NO. 5 — LENGTH 100' — TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	55.8	80
1/2	3.53	111.6	⌒
3/4	5.30	165.8	⌒

CALIBRATION CHECKS

TIME	NEAR AMPLITUDE	Δ TIME	FAR AMPLITUDE	Δ TIME
12:32				
04:27				
		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	___	% FSH	50% FSH	___	% FSH
90% "	___	"	40% "	___	"
80% "	40	"	30% "	___	"
70% "	___		20% "	___	"
60% "	___				

SEE CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	___	(32-48)
80% "	−12db	___	(16-24)
40% "	+6db	___	(64-96)
20% "	+12db	___	(64-96)

SEE CH 10

ANGLE BEAM SPREAD AT 1 X 45° ___ OR 60° ___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2	SEE CAL SHEET A136									
3/4										

PAGE 5
Cal Sheet No. A143

CHANNEL 6 0° ☐ 45° ☑ 60° ☐ OTHER ____°
TRANSDUCER SIZE ~~K23980~~ 1" ø FREQUENCY 2.25 MHz
TRANSDUCER S/N K23980 IIW-2 BEAM ANGLE 43°
CABLE NO. 6 LENGTH 100' TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	40.1	80
1/2	3.53	80.2	∫
3/4	5.30	120.3	∫

CALIBRATION CHECKS

TIME	NEAR AMPLITUDE	Δ TIME	FAR AMPLITUDE	Δ TIME
21:32				
04:27				
		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	____	% FSH	50% FSH	____	% FSH
90% "	____	"	40% "	____	"
80% "	40	"	30% "	____	"
70% "	____		20% "	____	"
60% "	____				

SEE CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	____	(32-48)
80% "	−12db	____	(16-24)
40% "	+6db	____	(64-96)
20% "	+12db	____	(64-96)

SEE CH 10

ANGLE BEAM SPREAD AT 1 X 45° ___ OR 60° ___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2	SEE CAL SHEET A136									
3/4										

CHANNEL 7 0° ☐ 45° ☐ 60° ☑ OTHER ____°
TRANSDUCER SIZE 1" ø FREQUENCY 2.25 MHz
TRANSDUCER S/N K23979 IIW-2 BEAM ANGLE 59°
CABLE NO. 7 LENGTH 100' TYPE RG 179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	55.2	80
1/2	3.53	111.0	∫
3/4	5.30	165.9	∫

CALIBRATION CHECKS

TIME	NEAR AMPLITUDE	Δ TIME	FAR AMPLITUDE	Δ TIME
21:32				
04:27				
		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	____	% FSH	50% FSH	____	% FSH
90% "	____	"	40% "	____	"
80% "	40	"	30% "	____	"
70% "	____		20% "	____	"
60% "	____				

SEE CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	____	(32-48)
80% "	−12db	____	(16-24)
40% "	+6db	____	(64-96)
20% "	+12db	____	(64-96)

SEE CH 10

ANGLE BEAM SPREAD AT 1 X 45° ___ OR 60° ___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2	SEE CAL SHEET A136									
3/4										

PAGE 1
Cal Sheet No. A145

UT CALIBRATION DATA SHEET

SITE La Salle I ☒ PREOPERATIONAL ☐ INSERVICE
PROCEDURE No. APUV-5751 REV 3 CALIB BLOCK No. 019103
DATE 11-29-79 COUPLANT H20 CAL STD TEMP 71°
EXAMINER P Ramsey ASNT LEVEL II
RECORDER N/A ASNT LEVEL N/A
EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22587F
TRANSDUCER PACKAGE No. 12 & 13 12: 45°-5db 60°-5db 13: 45°-5db 60°-5db
AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB

2.25 ○ 5.0 ○ 10.0 ○ 15 ○ BB ○

FILTER

1 ○ 2 ○ 3 ○ 4 ○

AMPLITUDE GATE

FLAW GATE LEVEL

239

BACK ECHO LEVEL

374

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7062

TRANSDUCER DATA

SERIAL No. D03914 BEAM ANGLE 0°
SIZE 1" ϕ FREQ 2.25
SHOE No. N/A CABLE No. 2
CHECK MADE BY: P Ramsey

REP RATE 597

SWEEP DELAY 321

REVIEWED BY _____ II
SNT-TC-1A LEVEL

W J. Calhoun ANII - MSB
3-27-81

PAGE 1
Cal Sheet No. A147

UT CALIBRATION DATA SHEET

SITE LA SALLE I ☑ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APUY-5751 REV 3 CALIB BLOCK No. 019103

DATE 11-30-80 COUPLANT H_2O CAL STD TEMP 62°

EXAMINER P. RAMSEY ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22587F

TRANSDUCER PACKAGE No. 12 & 13 12: 45°-5db 60°-5db 13: 45°-5db 60°-5db

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB

○ ⊘ ○ ○ ○ ○

FILTER

1 2 3 4

○ ○ ⊘ ○

AMPLITUDE GATE

FLAW GATE LEVEL

239

BACK ECHO LEVEL

374

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7.062

TRANSDUCER DATA

SERIAL No. D03914 BEAM ANGLE 0°

SIZE 1" Ø FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P. RAMSEY

REP RATE 597 SWEEP DELAY 32.1

REVIEWED BY _____
SNT-TC-1A LEVEL

W. J. Caldwell ANII- HSB
3-27-81

PAGE 1
Cal Sheet No. A149

UT CALIBRATION DATA SHEET

SITE La Salle I
☒ PREOPERATIONAL ☐ INSERVICE
PROCEDURE No. APUI-5751 REV. 3
CALIB BLOCK No. 019103
DATE 12-1-79 COUPLANT H2O
CAL STD TEMP 61°
EXAMINER D Ramsey
ASNT LEVEL II
RECORDER N/A
ASNT LEVEL N/A
EQUIPMENT DATA INSTRUMENT MODEL No. USN 1 SERIAL No. 22587F
TRANSDUCER PACKAGE No. 12F13
12 45° - 5db 60° - 5db
13 45° - 5db 60 - 5db
AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY. REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 ○ 2.25 ◉ 5.0 ○ 10.0 ○ 15 ○ BB ○

FILTER

1 ○ 2 ○ 3 ◉ 4 ○

AMPLITUDE GATE

FLAW GATE LEVEL 239

BACK ECHO LEVEL 374

REP RATE 594 SWEEP DELAY 321

REVIEWED BY _____ SNT-TC-1A LEVEL

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7,062

TRANSDUCER DATA

SERIAL No. D03914 BEAM ANGLE 0°

SIZE 1" ϕ FREQ 2.25

SHOE No. N/A CABLE No 2

CHECK MADE BY D Ramsey

W. J. Caldwell ANII - HSB
3-30-81

PAGE 1
Cal Sheet No. A151

UT CALIBRATION DATA SHEET

SITE LA SALLE I ☑ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APUV-5751 REV 3 CALIB BLOCK No. 019103

DATE 12-2-79 COUPLANT H2O CAL STD TEMP 61°

EXAMINER P. RAMSEY ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22587F

TRANSDUCER PACKAGE No. 12 & 13

12	13
45° - 5db	45° - 5db
60° - 5db	60° - 5db

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB

○ ○ ○ ○ ○ ○

FILTER

1 2 3 4

○ ○ ⊘ ○

AMPLITUDE GATE

FLAW GATE LEVEL

239

BACK ECHO LEVEL

374

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7.062

TRANSDUCER DATA

SERIAL No. D03914 BEAM ANGLE 0°

SIZE 1" Ø FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P. Ramsey

REP RATE 597 SWEEP DELAY 321

REVIEWED BY _____ III
SNT-TC-1A LEVEL

W. J. Caldwell ANII - MSB
3-30-81

PAGE 5
Cal Sheet No. A151

CHANNEL 6 0° ☐ 45° ☑ 60° ☐ OTHER ___°
TRANSDUCER SIZE 1" Ø FREQUENCY 2.25 MHz
TRANSDUCER S/N K23980 IIW-2 BEAM ANGLE 69.3°
CABLE NO. 6 LENGTH 100' TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	39.8	80
1/2	3.53	79.7	
3/4	5.30	118.7	

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
11:53				
03:54				
		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH		% FSH	50% FSH		% FSH
90% "		"	40% "		"
80% "	40	"	30% "		"
70% "			20% "		"
60% "					

SEE CH. 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db		(32-48)
80% "	−12db		(16-24)
40% "	+6db		(64-96)
20% "	+12db		(64-96)

SEE CH. 10

ANGLE BEAM SPREAD AT 1 X 45° ___ OR 60° ___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2		SEE CAL SHEET A136								
3/4										

CHANNEL 7 0° ☐ 45° ☐ 60° ☑ OTHER ___°
TRANSDUCER SIZE 1" Ø FREQUENCY 2.25 MHz
TRANSDUCER S/N K23979 IIW-2 BEAM ANGLE 59°
CABLE NO. 7 LENGTH 100' TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	55.8	80
1/2	3.53	110.2	
3/4	5.30	164.6	

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
11:53				
03:54				
		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH		% FSH	50% FSH		% FSH
90% "		"	40% "		"
80% "	40	"	30% "		"
70% "			20% "		"
60% "					

SEE CH. 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db		(32-48)
80% "	−12db		(16-24)
40% "	+6db		(64-96)
20% "	+12db		(64-96)

SEE CH. 10

ANGLE BEAM SPREAD AT 1 X 45° ___ OR 60° ___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2		SEE CAL SHEET A136								
3/4										

PAGE 1
Cal Sheet No. A153

UT CALIBRATION DATA SHEET

SITE LA SALLE I ☑ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APUV-S751 REV 3 CALIB BLOCK No. 019103

DATE 12-3-79 COUPLANT H2O CAL STD TEMP 62°

EXAMINER Paul Ramsey ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22587F

TRANSDUCER PACKAGE No. 12 & 13 12: 45°-5db 60°-5db 13: 45°-5db 60°-5db

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB

○ ⊘ ○ ○ ○ ○

FILTER

1 2 3 4

○ ○ ⊘ ○

AMPLITUDE GATE

FLAW GATE LEVEL 238

BACK ECHO LEVEL 374

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7.062

TRANSDUCER DATA

SERIAL No. 203714 BEAM ANGLE 0°

SIZE 1" ⌀ FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: Paul Ramsey

REP RATE 597 SWEEP DELAY .321

REVIEWED BY [signature] III
SNT-TC-1A LEVEL

W. J. Caldwell ANII - HSB
3-30 81

PAGE 3
Cal Sheet No. A153

CHANNEL 2 — 0° ☑ 45° ☐ 60° ☐ OTHER ___°
TRANSDUCER SIZE 1" Ø — FREQUENCY 2.25 MHz
TRANSDUCER S/N D03914 — IIW-2 BEAM ANGLE 0°
CABLE NO. 2 — LENGTH 100' — TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	5.2	80
1/2	3.53	30.3	(
3/4	5.30	45.5	

CALIBRATION CHECKS

TIME	NEAR AMPLITUDE	Δ TIME	FAR AMPLITUDE	Δ TIME
123:20				
14:43				
		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH		% FSH	50% FSH		% FSH
90% "		"	40% "		"
80% "	40	"	30% "		"
70% "			20% "		"
60% "					

SEE CH. 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db		(32-48)
80% "	−12db		(16-24)
40% "	+6db		(64-96)
20% "	+12db		(64-96)

SEE CH. 10

ANGLE BEAM SPREAD AT 1 X 45°___ OR 60°___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2					N/A					
3/4										

CHANNEL 10 — 0° ☑ 45° ☐ 60° ☐ OTHER ___°
TRANSDUCER SIZE 1" Ø — FREQUENCY 2.25 MHz
TRANSDUCER S/N D03914 — IIW-2 BEAM ANGLE 0°
CABLE NO. 2 — LENGTH 100' — TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	15.1	N/A
1/2	3.53	30.2	(
3/4	5.30	45.4	
B.E.	7.06	60.2	80

CALIBRATION CHECKS

TIME	NEAR AMPLITUDE	Δ TIME	FAR AMPLITUDE	Δ TIME
123:20				
14:43				
		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	52	% FSH	50% FSH	26	% FSH
90% "	46	"	40% "	20	"
80% "	40	"	30% "	16	"
70% "	36		20% "	10	"
60% "	30				

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	38	(32-48)
80% "	−12db	18	(16-24)
40% "	+6db	82	(64-96)
20% "	+12db	85	(64-96)

ANGLE BEAM SPREAD AT 1 X 45°___ OR 60°___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2					N/A					
3/4										

PAGE 1
Cal Sheet No. A155

UT CALIBRATION DATA SHEET

SITE LaSalle I ☒ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APUN 3751 REV 3 CALIB BLOCK No. 019103

DATE 12-4-79 COUPLANT H2O CAL STD TEMP 64°

EXAMINER P Ramsey ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KB1 SERIAL No. 22587F

TRANSDUCER PACKAGE No. 11

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB (SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

45 - 5 db
60 - 5 db

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB

○ ◉ ○ ○ ○ ○

FILTER

1 2 3 4

○ ○ ◉ ○

AMPLITUDE GATE

FLAW GATE LEVEL

239

BACK ECHO LEVEL

374

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7,062

TRANSDUCER DATA

SERIAL No. 41185 BEAM ANGLE 0°

SIZE 1" ϕ FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P Ramsey

REP RATE 597

SWEEP DELAY 321

REVIEWED BY _____ SNT-TC-1A LEVEL III

W. J. Caldwell ANII - HSB
3-30-81

PAGE 1
Cal Sheet No. A157

UT CALIBRATION DATA SHEET

SITE La Salle I ☒ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APUV-5751 REV 3 CALIB BLOCK No. 019103

DATE 12/4/79 COUPLANT H_2O CAL STD TEMP 61°

EXAMINER P Ramsey ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22587F

TRANSDUCER PACKAGE No. 12 & 13

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES ~~12 & 13 dB~~ 12: 45- 5db, 60- 5db; 13: 45- 5db, 60- 5db
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB

(2.25)

FILTER

1 2 3 4

(3)

AMPLITUDE GATE

FLAW GATE LEVEL

240

BACK ECHO LEVEL

374

REP RATE

592

SWEEP DELAY

321

REVIEWED BY [signature] III
SNT-TC-1A LEVEL

EQUIP DATA -- ANGLE BEAM
FOR LINEARITY CHECKS

CODE BLOCK T 7,062

TRANSDUCER DATA

SERIAL No. H11851 BEAM ANGLE 0°

SIZE 1" ϕ FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P Ramsey

W. J. Caldwell ANII- HSB
3-30-81

PAGE 3
Cal Sheet No. A157

CHANNEL 2 0° ☒ 45° ☐ 60° ☐ OTHER ____°
TRANSDUCER SIZE 1" Ø FREQUENCY 2.25 MHz
TRANSDUCER S/N 203914 IIW-2 BEAM ANGLE 0°
CABLE NO. 2 LENGTH 100' TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME µsec	MAX AMP
1/4	1.77	15.3	80
1/2	3.53	30.3	(
3/4	5.30	45.6	)

CALIBRATION CHECKS				
TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
122:35				
03:57				
		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	____	% FSH	50% FSH	____	% FSH
90% "	____	"	40% "	____	"
80% "	40	"	30% "	____	"
70% "	____	"	20% "	____	"
60% "	____	See CH 10			

CONTROL LINEARITY (MADE DAILY)

80% FSH	-6db	____	(32-48)
80% "	-12db	____	(16-24)
40% "	+6db	____	(64-96)
20% "	+12db	____	(64-96)
SEE CH 10			

ANGLE BEAM SPREAD AT 1 X 45°__ OR 60°__
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2										
3/4					N/A					

CHANNEL 10 0° ☒ 45° ☐ 60° ☐ OTHER ____°
TRANSDUCER SIZE 1" Ø FREQUENCY 2.25 MHz
TRANSDUCER S/N 203914 IIW-2 BEAM ANGLE 0
CABLE NO. 2 LENGTH 100' TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME µsec	MAX AMP
1/4	1.77	15.1	N/A
1/2	3.53	30.2	(
3/4	5.30	45.4	)
BE	7.06	59.5	80

CALIBRATION CHECKS				
TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
122:35				
03:57		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	52	% FSH	50% FSH	26	% FSH
90% "	46	"	40% "	21	"
80% "	~~41~~	"	30% "	16	"
70% "	36		20% "	10	"
60% "	30				

CONTROL LINEARITY (MADE DAILY)

80% FSH	-6db	38	(32-48)
80% "	-12db	18	(16-24)
40% "	+6db	82	(64-96)
20% "	+12db	85	(64-96)

ANGLE BEAM SPREAD AT 1 X 45°__ OR 60°__
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2										
3/4					N/A					

PAGE 4
Cal Sheet No. A157

CHANNEL 4 — 0° ☐ 45° ☒ 60° ☐ OTHER ___°
TRANSDUCER SIZE 1" ⌀ — FREQUENCY 2.25 MHz
TRANSDUCER S/N K23981 — IIW-2 BEAM ANGLE 43°
CABLE NO. 4 — LENGTH 100' — TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	39.7	
1/2	3.53	79.4	
3/4	5.30	119.3	

CALIBRATION CHECKS

TIME	NEAR AMPLITUDE	Δ TIME	FAR AMPLITUDE	Δ TIME
122:35				
03:57				
		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH ___	% FSH	50% FSH ___	% FSH
90% " ___	"	40% " ___	"
80% " 40	"	30% " ___	"
70% " ___	"	20% " ___	"
60% " ___			

See CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	___	(32-48)
80% "	−12db	___	(16-24)
40% "	+6db	___	(64-96)
20% "	+12db	___	(64-96)

See CH 10

ANGLE BEAM SPREAD AT 1 X 45° ___ OR 60° ___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2			see Cal Sheet A136							
3/4										

CHANNEL 5 — 0° ☐ 45° ☐ 60° ☒ OTHER ___°
TRANSDUCER SIZE 1" ⌀ — FREQUENCY 2.25 MHz
TRANSDUCER S/N K23982 — IIW-2 BEAM ANGLE 59°
CABLE NO. 5 — LENGTH 100' — TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	55.1	80
1/2	3.53	109.7	(
3/4	5.30	164.8	)

CALIBRATION CHECKS

TIME	NEAR AMPLITUDE	Δ TIME	FAR AMPLITUDE	Δ TIME
122:35				
03:57				
		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH ___	% FSH	50% FSH ___	% FSH
90% " ___	"	40% " ___	"
80% " 40	"	30% " ___	"
70% " ___	"	20% " ___	"
60% " ___			

See CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	___	(32-48)
80% "	−12db	___	(16-24)
40% "	+6db	___	(64-96)
20% "	+12db	___	(64-96)

See CH 10

ANGLE BEAM SPREAD AT 1 X 45° ___ OR 60° ___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2		see	Cal Sheet		A136					
3/4										

PAGE 1
Cal Sheet No. A162

UT CALIBRATION DATA SHEET

SITE La Salle I ☒ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APUV-5751 REV 3 CALIB BLOCK No. 019103

DATE 12-8-79 COUPLANT H_2O CAL STD TEMP 58°

EXAMINER L Ramsey ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22587F

TRANSDUCER PACKAGE No. 12 & 13 12 45°-5db 13 PAR 45-5db 60°-5db 60-5db

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 5 BB

○ ◉ ○ ○ ○ ○

FILTER

1 2 3 4

○ ○ ◉ ○

AMPLITUDE GATE

FLAW GATE LEVEL

231

BACK ECHO LEVEL

374

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7062

TRANSDUCER DATA

SERIAL No. D03914 BEAM ANGLE 0°

SIZE 1"ϕ FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P Ramsey

REP RATE 611 SWEEP DELAY 321

REVIEWED BY _____ III
SNT-TC-1A LEVEL

W. J. Caldwell ANII - HSB
3-30-81

PAGE 1
Cal Sheet No. A165

UT CALIBRATION DATA SHEET

SITE La Salle I ☒ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APUV-5751 REV 3 CALIB BLOCK No. 019103

DATE 12-9-79 COUPLANT H20 CAL STD TEMP 53°

EXAMINER PRamsey ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22587F

TRANSDUCER PACKAGE No. 12&13 12 45°-5db 60°-5db 13 45-5db 60-5db

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB

○ ◉ ○ ○ ○ ○

FILTER

1 2 3 4

○ ○ ◉ ○

AMPLITUDE GATE

FLAW GATE LEVEL

238

BACK ECHO LEVEL

374

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7,062

TRANSDUCER DATA

SERIAL No. D03914 BEAM ANGLE 0°

SIZE 1"ϕ FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: PRamsey

REP RATE 611 SWEEP DELAY 321

REVIEWED BY _____ III
SNT-TC-1A LEVEL

W. J. Caldwell ANII - HSB
3-30-81

PAGE 1
Cal Sheet No. A169

UT CALIBRATION DATA SHEET

SITE La Salle I ☑ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APUV-5751 REV 3 CALIB BLOCK No. 019103

DATE 12-10-79 COUPLANT H2O CAL STD TEMP 53°

EXAMINER Paul Ramsey ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KB1 SERIAL No. 22587F

TRANSDUCER PACKAGE No. 12 & 13 12: 45° - 5db, 60° - 5db; 13: 45 - 5db, 60 - 5db

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 ○ 2.25 ✓ 5.0 ○ 10.0 ○ 15 ○ BB ○

FILTER

1 ○ 2 ○ 3 ✓ 4 ○

AMPLITUDE GATE

FLAW GATE LEVEL: 237

BACK ECHO LEVEL: 374

REP RATE: 612 SWEEP DELAY: 321

REVIEWED BY _____ SNT-TC-1A LEVEL

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 7.062

TRANSDUCER DATA

SERIAL No. D03914 BEAM ANGLE 0°

SIZE 1" ϕ FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P Ramsey

W. J. Caldwell ANII - HSB
3-30-81

PAGE REV A169 3
Cal Sheet No. REV 3 A169

CHANNEL 2 — 0° ☑ 45° ☐ 60° ☐ OTHER ___°
TRANSDUCER SIZE ~~1" ∅~~ 1" ∅ — FREQUENCY 2.25 MHz
TRANSDUCER S/N D03914 — IIW-2 BEAM ANGLE 0°
CABLE NO. 2 — LENGTH 100' — TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	15.2	80
1/2	3.53	30.1	⎫
3/4	5.30	45.4	⎭

CALIBRATION CHECKS

TIME	NEAR AMPLITUDE	Δ TIME	FAR AMPLITUDE	Δ TIME
120:26				
04:51				
			N/A	
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	___	% FSH	50% FSH	___	% FSH
90% "	___	"	40% "	___	"
80% "	40	"	30% "	___	"
70% "	___		20% "	___	"
60% "	___				

SEE CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	___	(32-48)
80% "	−12db	___	(16-24)
40% "	+6db	___	(64-96)
20% "	+12db	___	(64-96)

SEE CH. 10

ANGLE BEAM SPREAD AT 1 X 45°___ OR 60°___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2					N/A					
3/4										

CHANNEL 10 — 0° ☑ 45° ☐ 60° ☐ OTHER ___°
TRANSDUCER SIZE 1" ∅ — FREQUENCY 2.25 MHz
TRANSDUCER S/N D03914 — IIW-2 BEAM ANGLE 0°
CABLE NO. 2 — LENGTH 100' — TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	15.1	N/A ~~80~~ REV
1/2	3.53	30.2	⎫
3/4	5.30	45.4	⎭
B.E	7.06	59.5	80

CALIBRATION CHECKS

TIME	NEAR AMPLITUDE	Δ TIME	FAR AMPLITUDE	Δ TIME
120:26				
04:51				
		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	52	% FSH	50% FSH	26	% FSH
90% "	46	"	40% "	21	
80% "	40	"	30% "	16	"
70% "	36		20% "	11	"
60% "	30				

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	39	(32-48)
80% "	−12db	TM 20	(16-24)
40% "	+6db	82	(64-96)
20% "	+12db	82	(64-96)

ANGLE BEAM SPREAD AT 1 X 45°___ OR 60°___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2					N/A					
3/4										

PAGE 1
Cal Sheet No. A172

UT CALIBRATION DATA SHEET

SITE La Salle I ☒ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APPV-5751 REV 3 CALIB BLOCK No. 019103

DATE 12-11-79 COUPLANT H2O CAL STD TEMP 61°

EXAMINER P. Ramsey ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KB1 SERIAL No. 22587E

TRANSDUCER PACKAGE No. 12E 13 '2 45-5db 60-5db '3 45-5db 60-5db

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB

○ ⊖ ○ ○ ○ ○

FILTER

1 2 3 4

○ ○ ⊖ ○

AMPLITUDE GATE

FLAW GATE LEVEL

237

BACK ECHO LEVEL

374

EQUIP DATA – ANGLE BEAM
FOR LINEARITY CHECKS

CODE BLOCK T 7.062

TRANSDUCER DATA

SERIAL No. D03914 BEAM ANGLE 0°

SIZE 1"Ø FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P Ramsey

REP RATE 612

SWEEP DELAY 321

REVIEWED BY _____ III

SNT-TC-1A LEVEL

W. J. Caldwell ANII-HSB
3-30-81

PAGE 3
Cal Sheet No. A172

CHANNEL 2 — 0° ☑ 45° ☐ 60° ☐ OTHER ___°
TRANSDUCER SIZE 1"Ø — FREQUENCY 2.25 MHz
TRANSDUCER S/N D03914 — IIW-2 BEAM ANGLE 0°
CABLE NO. 2 — LENGTH 100' — TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	15.0	80
1/2	3.53	30.1	(
3/4	5.30	45.4	)

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
120:21				
01:57				
05:42		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	___	% FSH	50% FSH	___	% FSH
90% "	___	"	40% "	___	"
80% "	40	"	30% "	___	"
70% "	___		20% "	___	"
60% "	___				

SEE CH 10

CONTROL LINEAPITY (MADE DAILY)

80% FSH	−6db	___	(32-48)
80% "	−12db	___	(16-24)
40% "	+6db	___	(64-96)
20% "	+12db	___	(64-96)

SEE CH 10

ANGLE BEAM SPREAD AT 1 X 45° ___ OR 60° ___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2				N/A						
3/4										

CHANNEL 10 — 0° ☑ 45° ☐ 60° ☐ OTHER ___°
TRANSDUCER SIZE 1"Ø — FREQUENCY 2.25 MHz
TRANSDUCER S/N D03914 — IIW-2 BEAM ANGLE 0°
CABLE NO. 2 — LENGTH 100' — TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	15.1	N/A
1/2	3.53	30.2	(
3/4	5.30	45.4	)
BE	7.06	59.5	80

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
120:21				
01:57				
05:42		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	50	% FSH	50% FSH	26	% FSH
90% "	46	"	40% "	20	"
80% "	40	"	30% "	16	"
70% "	36		20% "	10	"
60% "	30				

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	38	(32-48)
30% "	−12db	18	(16-24)
40% "	+6db	82	(64-96)
20% "	+12db	84	(64-96)

ANGLE BEAM SPREAD AT 1 X 45° ___ OR 60° ___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2				N/A						
3/4										

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Cal Sheet No. A172

CHANNEL 6 ☐ 0° ☐ 45° ☑ 60° ☐ OTHER ___°
TRANSDUCER SIZE 1"Ø FREQUENCY 2.25 MHz
TRANSDUCER S/N K23980 IIW-2 BEAM ANGLE 43°
CABLE NO. 6 LENGTH 100' TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	40.7	80
1/2	3.53	80.3	∫
3/4	5.30	120.3	∫

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
120;21				
01;57				
05;42		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH ___	% FSH	50% FSH ___	% FSH
90% " ___	"	40% " ___	"
80% " 40	"	30% " ___	"
70% " ___		20% " ___	"
60% " ___			

SEE CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	___	(32-48)
80% "	−12db	___	(16-24)
40% "	+6db	___	(64-96)
20% "	+12db	___	(64-96)

SEE CH 10

ANGLE BEAM SPREAD AT 1 X 45° ___ OR 60° ___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2	SEE CAL SHEET A136									
3/4										

CHANNEL 6 7 PRR ☐ 0° ☐ 45° ☐ 60° ☑ OTHER ___°
TRANSDUCER SIZE 1"Ø FREQUENCY 2.25 MHz
TRANSDUCER S/N K23979 IIW-2 BEAM ANGLE 59°
CABLE NO. 6 7 PRR LENGTH 100' TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	1.77	54.2	80
1/2	3.53	108.3	∫
3/4	5.30	162.6	∫

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
120;21				
01;57				
05;42		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH ___	% FSH	50% FSH ___	% FSH
90% " ___	"	40% " ___	"
80% " 40	"	30% " ___	"
70% " ___		20% " ___	"
60% " ___			

SEE CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	___	(32-48)
80% "	−12db	___	(16-24)
40% "	+6db	___	(64-96)
20% "	+12db	___	(64-96)

SEE CH 10

ANGLE BEAM SPREAD AT 1 X 45° ___ OR 60° ___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2	SEE CHL SHEET A136									
3/4										

PAGE 1
Cal Sheet No. A176

UT CALIBRATION DATA SHEET

SITE La Salle I ☑ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APUN-5751 REV 3 CALIB BLOCK No. 019207

DATE 12-12-79 COUPLANT H2O CAL STD TEMP 63°

EXAMINER P Ramsey ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22587F

TRANSDUCER PACKAGE No. 11 45° - 5db 60° - 5db

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB

○ ◉ ○ ○ ○ ○

FILTER

1 2 3 4

○ ○ ◉ ○

AMPLITUDE GATE

FLAW GATE LEVEL

237

BACK ECHO LEVEL

374

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 8.06

TRANSDUCER DATA

SERIAL No. H11851 BEAM ANGLE 0°

SIZE 1"Ø FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P Ramsey

REP RATE 611

SWEEP DELAY 321

REVIEWED BY _____ III
SNT-TC-1A LEVEL

W. J. Caldwell ANII - HSB
3-30-81

PAGE 3
Cal Sheet No. A176

CHANNEL 2 0° ☑ 45° ☐ 60° ☐ OTHER ___°
TRANSDUCER SIZE 1"Ø FREQUENCY 2.25 MHz
TRANSDUCER S/N H11851 IIW-2 BEAM ANGLE 0°
CABLE NO. 2 LENGTH 100' TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	2.11	18.2	80
1/2	4.22	36.5	(
3/4	6.33	54.3	)

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
I 23:09				
03:05				
		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	___	% FSH	50% FSH	___	% FSH
90% "	___	"	40% "	___	"
80% "	40	"	30% "	___	"
70% "	___		20% "	___	"
60% "	___				

SEE CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	-6db	___	(32-48)
80% "	-12db	___	(16-24)
40% "	+6db	___	(64-96)
20% "	+12db	___	(64-96)

SEE CH 10

ANGLE BEAM SPREAD AT 1 X 45°___ OR 60°___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2				N/A						
3/4										

CHANNEL 10 0° ☑ 45° ☐ 60° ☐ OTHER ___°
TRANSDUCER SIZE 1"Ø FREQUENCY 2.25 MHz
TRANSDUCER S/N H11851 IIW-2 BEAM ANGLE 0°
CABLE NO. 2 LENGTH 100' TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	2.11	18.2	N/A
1/2	4.22	36.4	(
3/4	6.33	~~54.5~~ 45.5	RG
BE	8.06	72.0	80

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
I 23:09				
03:05				
		N/A		
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	52	% FSH	50% FSH	26	% FSH
90% "	46	"	40% "	20	"
80% "	40	"	30% "	15	"
70% "	35		20% "	10	"
60% "	30				

CONTROL LINEARITY (MADE DAILY)

80% FSH	-6db	38	(32-48)
80% "	-12db	18	(16-24)
40% "	+6db	84	(64-96)
20% "	+12db	84	(64-96)

ANGLE BEAM SPREAD AT 1 X 45°___ OR 60°___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2				N/A						
3/4										

PAGE 1
Cal Sheet No. A178

UT CALIBRATION DATA SHEET

SITE La Salle I ☑ PREOPERATIONAL ☐ INSERVICE
PROCEDURE No. APUV-5751 REV 3 CALIB BLOCK No. 019207
DATE 12-13-79 COUPLANT H2O CAL STD TEMP 65°
EXAMINER L Ramsey ASNT LEVEL II
RECORDER N/A ASNT LEVEL N/A
EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22589F per RR
TRANSDUCER PACKAGE No. 11 45° - 5db 60° - 5db
AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB
○ ⊘ ○ ○ ○ ○

FILTER

1 2 3 4
○ ○ ⊙ ○

AMPLITUDE GATE

FLAW GATE LEVEL 239

BACK ECHO LEVEL 374

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 806
TRANSDUCER DATA
SERIAL No. D03914 BEAM ANGLE 0°
SIZE 1"Ø FREQ 2.25
SHOE No. N/A CABLE No. 2
CHECK MADE BY: L Ramsey

REP RATE 601 SWEEP DELAY 321

REVIEWED BY _____
SNT-TC-1A LEVEL III

W. J. Caldwell ANII - 3-30-81
HSB

PAGE 1 PRR
Cal Sheet No. ~~A180~~ A181

UT CALIBRATION DATA SHEET

SITE La Salle I ☒ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. HPUN-5751 REV 3 CALIB BLOCK No. 019207

DATE 12-14-79 COUPLANT H2O CAL STD TEMP 65°

EXAMINER P Ramsey ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. Z2587F

TRANSDUCER PACKAGE No. 11 45°-5 db 60°-5 db

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB OUT	dB IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY: 1.0 ○ 2.25 ⊘ 5.0 ○ 10.0 ○ 15 ○ BB ○

FILTER: 1 ○ 2 ○ 3 ⊘ 4 ○

AMPLITUDE GATE

FLAW GATE LEVEL: 239

BACK ECHO LEVEL: 374

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 8.06

TRANSDUCER DATA

SERIAL No. H11851 BEAM ANGLE 0°

SIZE 1"Ø FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY P Ramsey

REP RATE: 607 SWEEP DELAY: 321

REVIEWED BY _____ III
SNT-TC-1A LEVEL

W. J. Caldwell ANII- HSB
3-30-81

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Cal Sheet No. #186

UT CALIBRATION DATA SHEET

SITE La Salle I ☑ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APUN-S751 REV 3 CALIB BLOCK No. 019207

DATE 12-15-79 COUPLANT H2O CAL STD TEMP 63°

EXAMINER P Ramsey ASNT LEVEL II

RECORDER N/A ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22587F

TRANSDUCER PACKAGE No. 11 45°-5db 60°-5db

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB

○ ◉ ○ ○ ○ ○

FILTER

1 2 3 4

○ ○ ◉ ○

AMPLITUDE GATE

FLAW GATE LEVEL

238

BACK ECHO LEVEL

373

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 8.06

TRANSDUCER DATA

SERIAL No. H11851 BEAM ANGLE 0°

SIZE 1"Ø FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P Ramsey

REP RATE 607

SWEEP DELAY 321

REVIEWED BY C. E. Lind III

SNT-TC-1A LEVEL

W. J. Caldwell ANII- HSB
3-30-81

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Cal Sheet No. A184

UT CALIBRATION DATA SHEET

SITE La Salle I ☑ PREOPERATIONAL ☐ INSERVICE
PROCEDURE No. NDUN-575L REV 3 CALIB BLOCK No. 019207
DATE 12-17-79 COUPLANT H2O CAL STD TEMP 63°
EXAMINER P Ramsey ASNT LEVEL II
RECORDER N/A ASNT LEVEL N/A
EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22587F
TRANSDUCER PACKAGE No. 11 45°-5db 60°-5db
AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB
○ (✓) ○ ○ ○ ○

FILTER

1 2 3 4
○ ○ (✓) ○

AMPLITUDE GATE

FLAW GATE LEVEL: 237

BACK ECHO LEVEL: 374

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 8.06

TRANSDUCER DATA
SERIAL No. H11851 BEAM ANGLE 0°
SIZE 1"Ø FREQ 2.25
SHOE No. N/A CABLE No. 2
CHECK MADE BY: P Ramsey

REP RATE: 607 SWEEP DELAY: 321

REVIEWED BY _____ III
SNT-TC-1A LEVEL

W. J. Caldwell ANII - HSB
3-30-81

PAGE 2

Cal Sheet No. A188

INSTRUMENT SETTINGS

CHANNEL	0	1	2	3	4	5	6	7	8	9	10	11
FINE GAIN			147		158	085					132	
TIME GATE DELAY			108		403	213					518	
FLAW GATE	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF
DELAY			017		085	050					287	
RANGE			065		238	370					046	
BACK ECHO GATE	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF
DELAY											171	
RANGE											444	
TIME CORRECT GAIN	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF	ON OFF
START 1			848		996	982						
START 2			699		920	950						
START 3			706		874	916						
SLOPE 1			753		713	708						
SLOPE 2			693		733	734						
SLOPE 3			824		718	924						

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Cal Sheet No. A188

CHANNEL 2 0° ☑ 45° ☐ 60° ☐ OTHER °
TRANSDUCER SIZE 1"Ø FREQUENCY 2.25 MHz
TRANSDUCER S/N D03914 IIW-2 BEAM ANGLE 0°
CABLE NO. 2 LENGTH 100' TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	2.11	18.3	80
1/2	4.22	36.5	∫
3/4	6.33	54.4	∫

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
20:05				
01:32				
04:36			N/A	
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH		% FSH	50% FSH		% FSH
90% "		"	40% "		"
80% "	40	"	30% "		"
70% "			20% "		"
60% "					

SEE CH 10

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db		(32-48)
80% "	−12db		(16-24)
40% "	+6db		(64-96)
20% "	+12db		(64-96)

SEE CH 10

ANGLE BEAM SPREAD AT 1 X 45°___ OR 60°___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2					N/A					
3/4										

CHANNEL 10 0° ☑ 45° ☐ 60° ☐ OTHER °
TRANSDUCER SIZE 1"Ø FREQUENCY 2.25 MHz
TRANSDUCER S/N D03914 IIW-2 BEAM ANGLE 0°
CABLE NO. 2 LENGTH 100' TYPE RG179

HOLE DEPTH "T"	INCHES	TRANSIT TIME μsec	MAX AMP
1/4	2.11	18.3	N/A
1/2	4.22	36.5	∫
3/4	6.33	54.4	∫
BE	8.06	70.0	80

CALIBRATION CHECKS

TIME	NEAR AMPLI-TUDE	Δ TIME	FAR AMPLI-TUDE	Δ TIME
20:05				
01:32				
04:36			N/A	
F				

AMPLITUDE LINEARITY CHECK (MADE DAILY)

100% FSH	52	% FSH	50% FSH	26	% FSH
90% "	46	"	40% "	20	"
80% "	~~41~~	"	30% "	15	"
70% "	36		20% "	10	"
60% "	30				

CONTROL LINEARITY (MADE DAILY)

80% FSH	−6db	38	(32-48)
80% "	−12db	18	(16-24)
40% "	+6db	82	(64-96)
20% "	+12db	86	(64-96)

ANGLE BEAM SPREAD AT 1 X 45°___ OR 60°___
(MADE ONCE PER CALIBRATED SYSTEM – CALIBRATION STANDARD COMBINATION)

HOLE DEPTH	TRAILING RAY						LEADING RAY			
	25% DAC		50% DAC		100% DAC		50% DAC		25% DAC	
	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME	W	Δ TIME
1/4										
1/2					N/A					
3/4										

PAGE 1

Cal Sheet No. A191

DATA A192

UT CALIBRATION DATA SHEET

SITE LaSalle T 3751

☑ PREOPERATIONAL ☐ INSERVICE

PROCEDURE No. APVN-357-BQ 3

CALIB BLOCK No. 019207

DATE 12-18-79 COUPLANT H2O

CAL STD TEMP 63

EXAMINER P Ramsey

ASNT LEVEL II

RECORDER N/A

ASNT LEVEL N/A

EQUIPMENT DATA: INSTRUMENT MODEL No. KBI SERIAL No. 22587F

TRANSDUCER PACKAGE No. 11 45° - 506 60° - 506

AMPLITUDE DIFFERENCE BETWEEN 3/4T AND 5/4T HOLES _____ dB
(SHEAR WAVE ONLY, REQUIRED ONCE PER CALIBRATED SYSTEM/BLOCK COMBINATION)

INSTRUMENT SETTINGS

RF/VIDEO

dB

OUT	IN	
✓		1
✓		2
	✓	4
	✓	8
	✓	16

FREQUENCY

1.0 2.25 5.0 10.0 15 BB

○ ⊗ ○ ○ ○ ○

FILTER

1 2 3 4

○ ○ ⊗ ○

AMPLITUDE GATE

FLAW GATE LEVEL 149

BACK ECHO LEVEL 374

EQUIP DATA – ANGLE BEAM FOR LINEARITY CHECKS

CODE BLOCK T 8.060

TRANSDUCER DATA

SERIAL No. H11851 BEAM ANGLE 0°

SIZE 1" Ø FREQ 2.25

SHOE No. N/A CABLE No. 2

CHECK MADE BY: P Ramsey

REP RATE 611 SWEEP DELAY 321

REVIEWED BY _____ III

SNT-TC-1A LEVEL

W. J. Caldwell ANII HSB
3-30-81

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

Procedure No. NIRZ2-N9-S751

Revision No. 0

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VESSEL UT CALIBRATION DATA SHEET

Cal. Sheet No. 84660

Site La Salle County Nuclear Station I ☒ Preoperational ☐ I.S.I.

Procedure No. NIRZ2-N9-S751 Rev. 0 Calib. Block No. 01-91-04

Date 4/14/81 Couplant Glycerine Cal. Std. Temp. 75 °F

Examiner L D Heatley ASNT Level III

Recorder M E Williams ASNT Level II

Equipment Data:

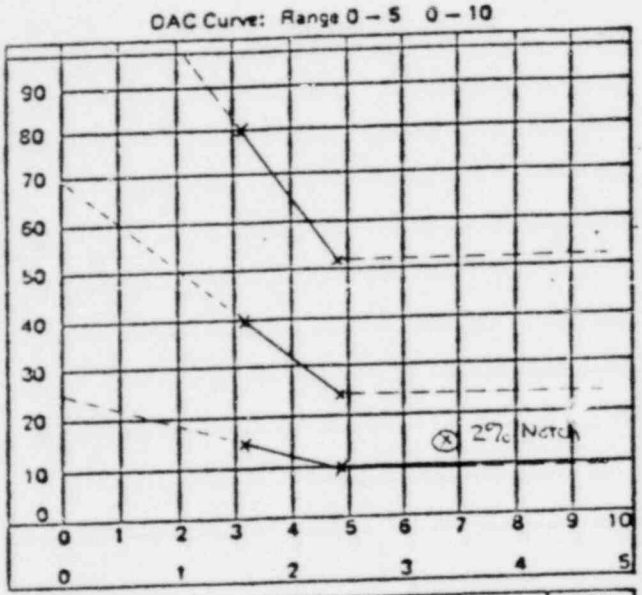
Instrument Model No. Sonic MK I Shoe No. NA

Instrument Serial No. 732009 Cable No. NA

Transducer Size .5 DIA Frequency 2.25 MHz

Transducer Serial No. 112 IIW-2 Beam Angle 44°

DAC Curve: Range 0 – 5 0 – 10



Instrument Settings:

	Start	Finish
Attenuation	NA	NA
Sweep	10/46S	10/46S
Delay	270	270
Scanning Gain	31	31
Evaluating Gain	60	60
Filter Position	OFF	OFF
Rep Rate	3K	3K
Damping	OFF	OFF
Reject	OFF	OFF

21 dB Change for 10 X

Initial Calibration Time 0950

Periodic Checks

Time	Value	Last Data Sheet
1330		84660
Final Check 1530		18861

Hole Depth "T"	Inches	Gain @ 1X	Max. Amp.	"W" Inch	Depth Inch	SDH or FBH
1/4	—	1X	—	—	—	—
1/2	23	1X	80	22	32	SDH
3/4	34	1X	52	34	48	SDH
2% Notch	NA	1X	14	47	68	N/A

L D Heatley 4/22/81

NDE Supervisor 4/14/81

D. A. Felton ANII 4-23-81

FIGURE 4a

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

Procedure No. NIRZ2-N9-S751

Revision No. 0

Angle Beam Spread @ IX 45°____ or 60°____

(Made once per calibrated system – Calibration standard combination)

Hole Depth	Trailing Ray								Leading Ray					
	10% DAC		25% DAC		50% DAC		100% DAC		50% DAC		25% DAC		10% DAC	
	W	D	W	D	W	D	W	D	W	D	W	D	W	D
1/4T														
1/2T														
3/4T														

NA

Amplitude Linearity Check
(Made Daily)

100%FSH	49	% FSH	50%FSH	25	% FSH
90% "	44	"	40% "	19	"
80% "	40	"	30% "	15	"
70% "	35	"	20% "	9	"
60% "	30	"			

Control Linearity
(Made Daily)

80%FSH	-6db	41	(32–48)
80% "	-12db	24	(16–24)
40% "	+6db	77	(64–96)
20% "	+12db	78	(64–96)

Equip. Data – Angle Beam For Linearity Checks

Code Block T 4·65

Transducer Data

Serial No. 112

Beam Angle 44°

Size 0·5" DIA Freq 2·25

Shoe No. NA Cable No. NA

Check Made By: L W Whatley

Reviewed by L W Whatley III SNT-TC Level

Checks on IIW-2

Block on 1/8" SDH for Field Calib. Checks. @ Max Amp. for Both Near & Far Positions in % Screen Height

1/8" SDH	Near	Far
Max. Amp.	86 %	40 %
Metal Path	1·8 "	3·8 "

NDE Supv S.E. Connelly 4/10/81

S.A. Fulton AMEE 4-23-81

FIGURE 4b

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

Procedure No. NIRZ2-N9-S751

Revision No. 0

Page 12 of 12

Exam Sheet No. 84661

Cal. Sheet No. 84660

NOZZLE BLEND RADIUS EXAMINATION DATA SHEET

Site LaSalle County Station I ☒ Preoperational ☐ I.S.I. Date 4/14/81

Examiner L D Wheatley Level III Recorder M E Williams Level II

Nozzle ID No. I-NIR-N9A Nozzle Type. Jet Pump Instrumentation

Procedure No. NIRZ2-N9-S751 Rev. 0 Shoe Numbers NA

Scan Sensitivity 10 X Evaluation Sensitivity 1 X

Couplant Glycerine Component Temperature 86 °F

Indication Record:

Location		Max Amp % DAC	Beam Direction CW or CCW	Metal Path In.	Size & Type Length or Width, DAC 20%–20%, In.	Comments
Radial X°	Dist. X-In.					
			CW, CCW			No recordables. Scanned at +10dB over scanning gain to monitor clad roll. Unable
						to evaluate 0-19° due to wedge noise. RJW

Reviewed by L D Wheatley III SNT-TC Level

NDE Supv Sklon 4/16/81

S.A. Richter AMIE 4-23-81

FIGURE 5

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

Procedure No. NIRZ2-N9-S751

Revision No. 0

Page 12 of 12

Exam Sheet No. 34662

Cal. Sheet No. 34660

NOZZLE BLEND RADIUS EXAMINATION DATA SHEET

Site LaSalle County Station I ☒ Preoperational ☐ I.S.I. Date 4/14/81

Examiner L D Whatley Level III Recorder M E Williams Level II

Nozzle ID No. I-N1R-N9B Nozzle Type. Jet Pump Instrumentation

Procedure No. NIRZ2-N9-S751 Rev. 0 Shoe Number NA

Scan Sensitivity 10 X Evaluation Sensitivity 1 X

Couplant Glycerine Component Temperature 86 °F

Indication Record:

Location		Max Amp % DAC	Beam Direction CW or CCW	Metal Path In.	Size & Type Length or Width, DAC 20%–20%, In.	Comments
Radial X°	Dist. X-In.					
			CW, CCW			No recordables. Scanned at +10dB over scanning gain to monitor clad roll. Unable
						to evaluate 0-19° due to wedge noise CW

Reviewed by L D Whatley III SNT-TC Level

NDE Supv. S L Connelly 4/16/81

S. L. Fetter ANII 4-23-81

FIGURE 5

GENERAL ELECTRIC
INSTALLATION & SERVICE ENGINEERING DIVISION

U.T. LINEARITY DATA SHEET

LINEARITY DATA SHEET # 93029

DATE: 1-14-80

EXAMINER: Jerry Stang LEVEL II DATA TAKER: Lester Schmitz LEVEL II

INSTRUMENT: SERIAL NO. 810055 MODEL NO: ☐ BRANSON 301; ☒ BRANSON 303; ☐ SONIC MKI; ☐ OTHER _____

SEARCH UNIT: BEAM ANGLE: ☐ 0°(LONG. WAVE); ☐ 45°(SHEAR WAVE); ☒ 60°(SHEAR WAVE); ☐ OTHER _____

TRANSDUCER SIZE/FREQ: ☐ 0,25"DIA/2.25 MHZ; ☐ 0.25" X 0.25"/2.25MHZ; ☐ 0.25" X 0.5"/2.25 MHZ;

SERIAL NO. (V403)(4181) ☐ 0.5" X 0.5"/2.25 MHZ; ☐ 0.25"DIA/5.0 MHZ; ☐ 0.25" X 0.25"/5.0 MHZ;

☐ 0.25" X 0.5"/5.0 MHZ; ☐ 0.5" X 0.5"/5.0 MHZ; ☒ OTHER 0.5"x1.0"/2.25 MHZ

☐ DUAL TRANSDUCERS; ☐ SINGLE TRANSDUCER; ☐ SPECIAL WEDGE _____

CABLE: TYPE: ☐ RG-58; ☐ RG-59; ☐ RG-57; ☒ RG-174 (~~Microdot~~ BNC); ☐ OTHER _____ LENGTH: 12'

SCREEN HEIGHT LINEARITY CHECK:

1st REFLECTOR AMPLITUDE IN % FSH	2nd REFLECTOR AMPLITUDE IN % FSH	1st REFLECTOR AMPLITUDE IN % FSH	2nd REFLECTOR AMPLITUDE IN % FSH
100	50	50	25
90	43	40	21
80	40	30	18
70	37	20	10
60	30		

THE 2nd REFLECTOR SHALL BE 50% OF THE 1st REFLECTOR ± 5% FSH TO MEET SCREEN HEIGHT LINEARITY.

AMPLITUDE CONTROL LINEARITY:

REFLECTOR AMP. SET IN % FSH	dB CONTROL CHANGE	READING OFF SCREEN	REFLECTOR AMP. LIMITS IN % FSH
80%	-6dB	40	32 to 48%
80%	-12dB	20	16 to 24%
40%	+6dB	80	64 to 96%
20%	+12dB	82	64 to 96%

MINUS (-) DENOTES DECREASE IN AMPLITUDE; PLUS (+) DENOTES INCREASE.

J D Connelly 1/14/80 NDE Engr.

REVIEWED BY: L D Wheatley DATE: 1/23/80
GENERAL ELECTRIC CO. LEVEL III

W J Caldwell 10-27-80 ANII

GENERAL ELECTRIC
INSTALLATION & SERVICE ENGINEERING DIVISION

U.T. CALIBRATION DATA SHEET

LSCS UNIT 1 [X]; 2 [ ]

CDS NO. 93030

CALIBRATION DATE 1-14-80

LDS NO. 93029

PROCEDURE NO. MPVV-5951 REV. 2

EXAMINER: Jerry Stone LEVEL II DATA TAKER Lester Schmitzel LEVEL II

INSTRUMENT SERIAL NO. X10055 MODEL NO: [ ] BRANSON 301; [X] BRANSON 303; [ ] SONIC MKI; [ ] USL-32; [ ] OTHER _____

SEARCH UNIT BEAM ANGLE: [ ] 0° (LONG. WAVE); [ ] 45° (SHEAR WAVE); [X] 60° (SHEAR WAVE); [ ] OTHER _____

TRANSDUCER SIZE/FREQ: [ ] 0.25"DIA/2.25 MHZ; [ ] 0.25" X 0.25"/2.25 MHZ; [ ] 0.25" X 0.5"/2.25 MHZ;

SERIAL NO. (V403)(4181) [ ] 0.5" DIA/2.25 MHZ; [ ] 0.25"DIA/5.0 MHZ; [ ] 0.25" X 0.25"/5.0 MHZ;

IIW BLOCK BEAM ANGLE CHECK 60° [ ] 0.25" X 0.5"/5.0 MHZ; [ ] 0.5" X 0.5"/5.0 MHZ; [X] OTHER 1.0" X 0.5"/2.25 MHZ

[ ] DUAL TRANSDUCERS; [X] SINGLE TRANSDUCER; [ ] SPECIAL WEDGE _____

CABLE TYPE: [ ] RG-58; [ ] RG-59; [ ] RG-57; [X] RG-174 BAIC (~~Microdot~~); [ ] Other _____ LENGTH: 12'

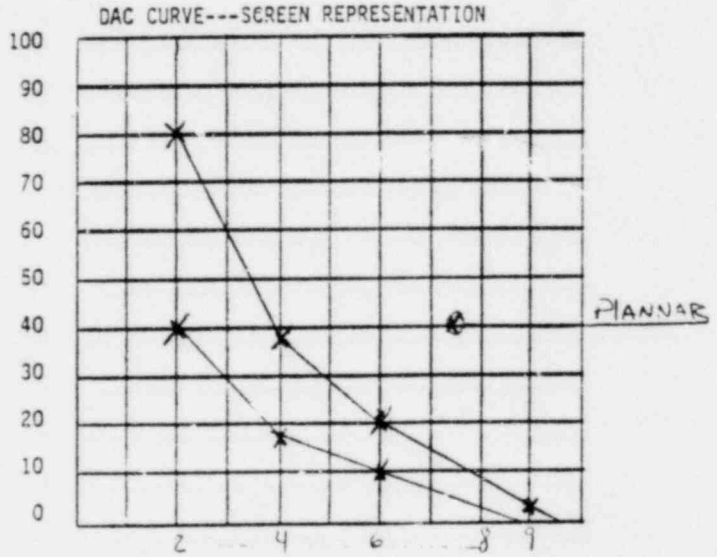
CAL. BLOCK MATERIAL: [X] CARBON STEEL, [ ] ESS STEEL; [ ] INCONEL; [ ] OTHER; _____

NUMBER: 01-92-07; T = 8.45 DIA. = N/A "; CAL. BLK. & EXAM COMP. TEMPERATURES WITHIN 25° F [X] YES [ ] NO

CALIBRATION CHECKS: 3 INITIAL CAL. TIME 9:00 COUPLANT: [X] GYCERINE; [ ] ULTRAGEL II; [ ] OTHER _____

DATE	TIME	LAST EDS NO.	LAST EDS LINE NO.	VERIFICATION OF 25° F LIMIT (YES OR NO)
1-14-80	9:00	N/A	N/A	YES
1-14-80	11:30	93031	11	YES
1-14-80	12:30	93031	11	YES
1-14-80	15:30	93032	6	YES

DAC CURVE---SCREEN REPRESENTATION



2X SCAN SENSITIVITY = 6 dB CHANGE
VESSEL BLOCK CLAD INTERFACE = 4 dB CHANGE

INSTRUMENT SETTINGS:

CONTROLS:	SET	CHECK	CHECK	CHECK
GAIN	100/79?	X	X	X
SWEEP	0.87	X	X	X
DELAY	50/058	X	X	X
SCAN.GAIN	100/79?	X	X	X
FILTER	AUTO	X	X	X
REP. RATE	MED	X	X	X
DAMPENING	OFF	X	X	X
REJECT	OFF	X	X	X
OTHER:	N/A	X	X	X

REFLECTOR	PEAK AMP.	W_1	W_m	W_2	SRP_1	SRP_m	SRP_2	HOLE DEPTH
1/4 T or 1/8 Vee	90%	2.6	3.85	4.85	1.3	2.0	2.2	2.15
1/2 T or 2/8 Vee	48%	6.15	8.15	8.8	3.8	4.0	4.2	4.25
3/4 T or 3/8 Vee	20%	10.95	12.0	12.5	5.6	6.0	6.2	6.35
B.R. or 5/8 Vee	5%	-	-	-	-	9.0	-	-

Reviewed By: NDE Supervisor A.D. Connelly Date 1/14/80

QC Supervisor L.D. Whatley Date 1/23/80

ANII M.J. Caldwell Date 10-27-80

GENERAL ELECTRIC
INSTALLATION & SERVICE ENGINEERING DIVISION

U.T. EXAMINATION DATA SHEET

EDS NO. 93031

LSCS UNIT: 1 [X]; 2 [ ]

CDS NO. 93030

PROCEDURE NO. NDE-UT-505L REV. NO. 2 EXAMINER [signature] LEVEL II SYSTEM RPV

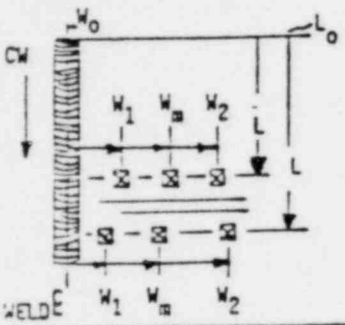
DATA RECORDER [illegible] LEVEL II COUPLANT: [X] GLYCERINE; [ ] OTHER

SEARCH ANGLE: [ ] 0°; [ ] 45°; [X] 60°; [ ] OTHER ____. SCAN SENS: [X] 2X; [ ] 5X; [ ] 10X; [ ] OTHER

REFERENCE SYSTEM (CIRC. WELD)

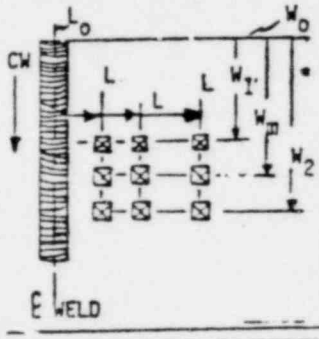
L_o = weld ℄ or TDC or °AZ. or OBV

REFLECTOP PARALLEL TO WELD



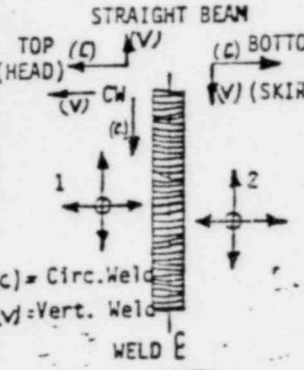
W_o = weld ℄ or TDC or °AZ or OBV

REFLECTOR TRANS. TO WELD

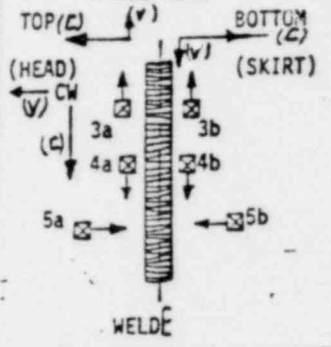


SCAN ORIENTATION

STRAIGHT BEAM



ANGLE BEAM



DATE	LINE NO.	EXAM/COMP. I.D. NO.	COMP FIG.	REC. IND. YES/NO	MAX % DAC @ W_m	L_o / W_o	L	W_1 (50% DAC)	W_m	W_2 (50% DAC)	SRP_1 (50% DAC)	$\overline{SRP_m}$	SRP_2 (50% DAC)	SCAN	Comments (Thickness Measure.)
1-14-80	1	N2-J	N/SH	NO		/	SCAN 360° OF W, ℄ 2"								
1-14-80	2	N2-H	N/SH	NO		/	SCAN 360° OF W, ℄ 2"				90°-105° ℄				20"
1-14-80	3	N2-G	N/SH	NO		/	SCAN 360° OF W, ℄ 2"								
1-14-80	4	N2-F	N/SH	NO		/	SCAN 360° OF W, ℄ 2"								
1-14-80	5	N1-B	N/SH	NO		/	SCAN 360° OF W, ℄ 2"								
1-14-80	6	N2-E	N/SH	YES	50%	/	L 28.5"								
1-14-80	7	N2-E	N/SH	YES	100%	/	L 29"	.5	.8	.9	4.0	4.0	4.2	5a	29"
1-14-80	8	N2-E	N/SH	YES	50%	/	L 29.5"								
1-14-80	9	N2-E	N/SH	YES	+1 100%	/	INT 360°	.6	.9	.9	1.8	2.0	2.0	5A	360° INT
1-14-80	10	N2-E	N/SH	YES	+1 100%	/	270° TO 90°	1.3	1.5	1.6	2.6	2.8	2.8	5A	45" TO TDC 270° TO 90°
1-14-80	11	N2D	N/SH	NO		/									

ADDITIONAL COMMENTS/ EVALUATION:

Line 6-8 was located 1" beyond centerline at 50%. Its ID geometry from nozzle bore vs signal rolls with rotation of transducer. Line 9,10 could only be seen at high gain. Suspect data was recorded at scanning gain.

Reviewed By: NDE Supervisor [signature] Date 1/14/80

QC Supervisor [signature] Date 1 23 80

ANII [signature] Date 10-27-80

GENERAL ELECTRIC
INSTALLATION & SERVICE ENGINEERING DIVISION

U.T. EXAMINATION DATA SHEET

EDS NO. 73032

LSCS UNIT: 1 [X]; 2 [ ]

CDS NO. 93030

PROCEDURE NO. GPUV-5751 REV. NO. 2 EXAMINER Jerry Hess LEVEL II SYSTEM RPV

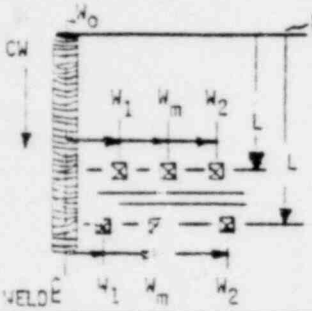
DATA RECORDER Justin Schmitzgal LEVEL II COUPLANT: [X] GLYCERINE; [ ] OTHER

SEARCH ANGLE: [ ] 0°; [ ] 45°; [X] 60°; [ ] OTHER ____. SCAN SENS: [X] 2X; [ ] 5X; [ ] 10X; [ ] OTHER

REFERENCE SYSTEM (CIRC. WELD)

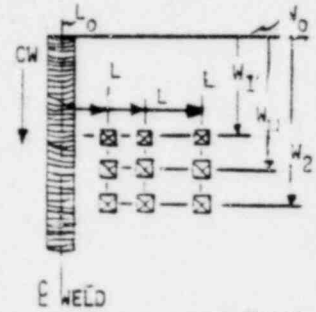
L_o = weld ℄ or TDC or °AZ. or OBV

REFLECTOR PARALLEL TO WELD



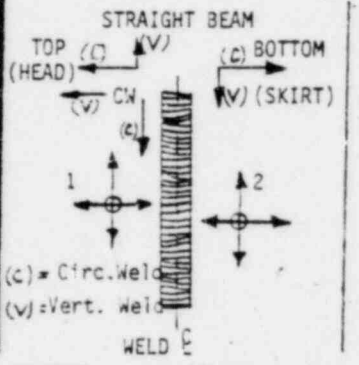
W_o = weld ℄ or TDC or °AZ or OBV

REFLECTOR TRANS. TO WELD

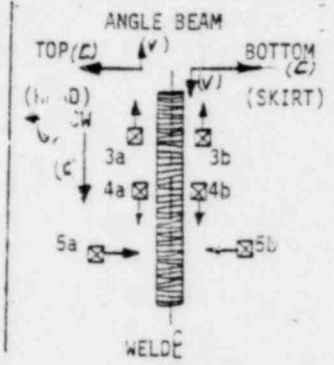


SCAN ORIENTATION

STRAIGHT BEAM



ANGLE BEAM



DATE	LINE NO.	EXAM/COMP. I.D. NO.	COMP FIG.	REC. IND. YES/NO	MAX % DAC @ W_m	L_o / W_o	L	W_1 (50% DAC)	W_m	W_2 (50% DAC)	SRP_1 (50% DAC)	$\overline{SRP_m}$	SRP_2 (50% DAC)	SCAN	Comments (Thickness Meas.)
1-14-80	1	N2-A	N/SH	NO			SCAN 360° CF W ℄ 2"								
1-14-80	2	N1-A-1 N1-A-2	N/SH	YES			SCAN 360° CF W ℄ 2", 73.8"-98.4" ℄ → 20"								(INDICATION ON LINE #3 78" TO 0")
1-14-80	3	N1-A-2	N/SH	YES	+10 100%		180° TO 0°	.5	1	1.5	5.7	5.8	5.8	5A	180° TO 0°
1-14-80	4	N2K	N/SH	NO			SCAN 360° CF W, ℄ 2"								
1-14-80	5	N2-C	N/SH	NO			SCAN 360° CF W, ℄ 2"								
1-14-80	6	N2-B	N/SH	NO			SCAN 360° CF W, ℄ 2"								
	7														
	8														
	9														
	10														
	11														

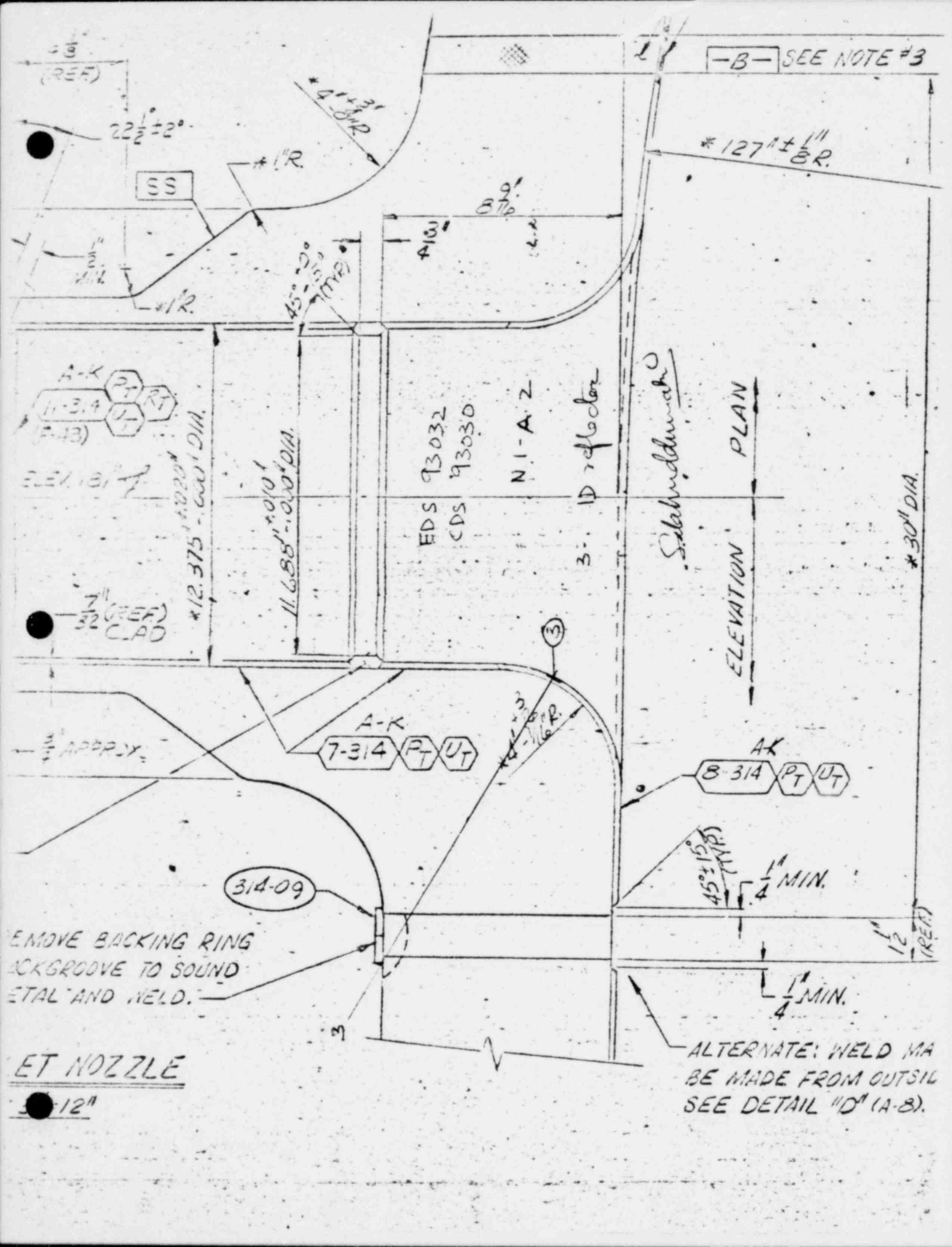
ADDITIONAL COMMENTS/ EVALUATION:

Line 3 is I.D. geometry From inner radius ℄ W

Reviewed By: NDE Supervisor W O'Connell Date 1/14/80

QC Supervisor L J Whatley Date 1/23/80

ANII W J Caldwell Date 10-27-80


-B- SEE NOTE #3
22½°±2°
*1" R.
*127" ± 1/8" R.
45°±2°
EDS 93032
CDS 93030
N1-A2
ID Hocker
Schmidt
ELEVATION
PLAN
*30" DIA.
*12.375"±.020" DIA.
11.688"±.010" DIA.
A-K
7-314 PT UT
8-314 PT UT
45°±15° (TYP.)
1/4" MIN.
314-09
EMOVE BACKING RING
CKGROOVE TO SOUND
ETAL AND WELD.
ET NOZZLE
12"
ALTERNATE: WELD MA
BE MADE FROM OUTSI
SEE DETAIL "D" (A-8).

PENETRANT INSPECTION DATA SHEET

FEEDWATER SPARGER SERIAL NUMBER _____ QUADRANT LOCATION _____

F.W. 6	Accept	Date	F.W. 7	Accept	Date	F.W. 8	Accept	Date
L1			L1			L1		
L2			L2			L2		
L3			L3			L3		
L4			L4			L4		
L5			L5			L5		
L6			L6			L6		
L7			L7			L7		
L8			L8			L8		
L9			L9			L9		
R1			R1			R1		
R2			R2			R2		
R3			R3			R3		
R4			R4			R4		
R5			R5			R5		
R6			R6			R6		
			R7			R7		
R8			R8			R8		
R9			R9			R9		

Remaining Welds

F.W.	Accept	Date
1		
2		
3		
4		
5		
9		
10		
11		
12		

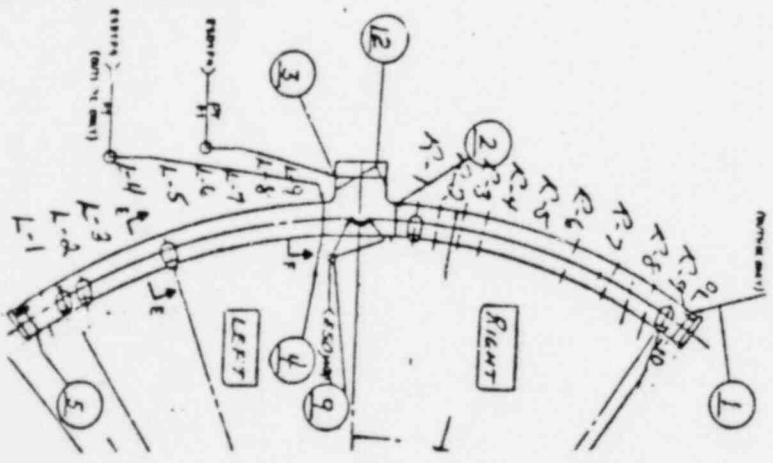
Thermal Sleeve S/N _____

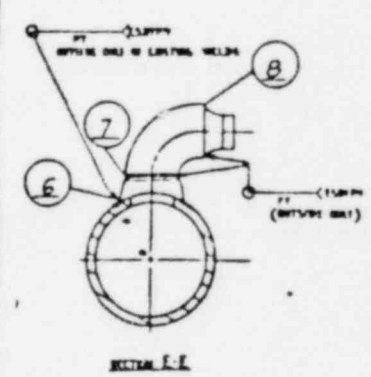
Quadrant

F.W.	Accept	Date
13		
14		
15		
16		

DESCRIPTION AND LOCATION OF UNACCEPTABLE INDICATIONS (When noted) DISPOSITION

THIS IS THE TYPICAL NUMBERING FOR WELDS 6, 7, +8 ON ALL SPARGERS





FDI NO. 91-57434 Rev. 0 and FDDR No. HAL-207
Penetrant Procedure: RCI PE-1 Rev
Acceptance Criteria: GE Spec E50YP4 Rev 3 Section 4.1.4

PSI Ref. No. RPV-13

PENETRANT INSPECTION DATA SHEET

FEEDWATER SPARGER SERIAL NUMBER 1 QUADRANT LOCATION 150°

F.W. 6	Accept	Date	F.W. 7	Accept	Date	F.W. 8	Accept	Date
L1	BW Level II	7/17/79	L1	BW Level II	7/17/79	L1	BW Level II	7/17/79
L2	BW Level II	7/17/79	L2	BW Level II	7/17/79	L2	BW Level II	7/17/79
L3	BW Level II	7/17/79	L3	BW Level II	7/17/79	L3	BW Level II	7/17/79
L4	BW Level II	7/17/79	L4	BW Level II	7/17/79	L4	BW Level II	7/17/79
L5	BW Level II	7/17/79	L5	BW Level II	7/17/79	L5	BW Level II	7/17/79
L6	BW Level II	7/17/79	L6	BW Level II	7/17/79	L6	BW Level II	7/17/79
L7	BW Level II	7/17/79	L7	BW Level II	7/17/79	L7	BW Level II	7/17/79
L8	BW Level II	7/17/79	L8	BW Level II	7/17/79	L8	BW Level II	7/17/79
L9	BW Level II	7/17/79	L9	BW Level II	7/17/79	L9	BW Level II	7/17/79
R1	BW Level II	7/16/79	R1	BW Level II	7/16/79	R1	BW Level II	7/16/79
R2	BW Level II	7/16/79	R2	BW Level II	7/16/79	R2	BW Level II	7/16/79
R3	BW Level II	7/16/79	R3	BW Level II	7/16/79	R3	BW Level II	7/16/79
R4	BW Level II	7/16/79	R4	BW Level II	7/16/79	R4	BW Level II	7/16/79
R5	BW Level II	7/16/79	R5	BW Level II	7/16/79	R5	BW Level II	7/16/79
R6	BW Level II	7/16/79	R6	BW Level II	7/16/79	R6	BW Level II	7/16/79
R7	BW Level II	7/16/79	R7	BW Level II	7/16/79	R7	BW Level II	7/16/79
R8	BW Level II	7/16/79	R8	BW Level II	7/16/79	R8	BW Level II	7/16/79
R9	BW Level II	7/16/79	R9	BW Level II	7/16/79	R9	BW Level II	7/16/79

Remaining Welds

F.W.	Accept	Date
1	BW Level II	7/16/79
2	BW Level II	7/16/79
3	BW Level II	7/16/79
4	BW Level II	7/16/79
5	BW Level II	7/17/79
9	BW Level II	7/16/79
10	BW Level II	7/17/79
11	BW Level II	7/16/79
12	BW Level II	7/16/79

Thermal Sleeve S/N 001

Quadrant

F.W.	Accept	Date
13	H Phillips Level II	7/11/79
14	H Phillips Level II	7/11/79
15	H Phillips Level II	7/11/79
16	N/A	N/A

DESCRIPTION AND LOCATION OF UNACCEPTABLE INDICATIONS (When noted) DISPOSITION

RCI-QC APPROVAL H PHILLIPS

FDI NO. 91-57434 Rev. 0 and FDDR No. HA1-207
Penetrant Procedure: RCI PE-1 Rev 5
Acceptance Criteria: GE Spec E50YP4 Rev 3 Section 4.1.4 PSI Ref. No.

PENETRANT INSPECTION DATA SHEET

FEEDWATER SPARGER SERIAL NUMBER 002 QUADRANT LOCATION 210°

F.W. 6	Accept	Date	F.W. 7	Accept	Date	F.W. 8	Accept	Date
L1		7/16/79	L1	CDB Level II	5/18/81	L1	CDB Level II	5/18/81
L2		7/13/79	L2	CDB Level II	5/18/81	L2	CDB Level II	5/18/81
L3		7/13/79	L3	CDB Level II	5/18/81	L3	CDB Level II	5/18/81
L4		7/13/79	L4	CDB Level II	5/18/81	L4	CDB Level II	5/18/81
L5		7/13/79	L5	CDB Level II	5/18/81	L5	CDB Level II	5/18/81
L6		7/13/79	L5	CDB Level II	5/18/81	L6	CDB Level II	5/18/81
L7		7/13/79	L7	CDB Level II	5/18/81	L7	CDB Level II	5/18/81
L8		7/13/79	L8	CDB Level II	5/18/81	L8	CDB Level II	5/18/81
L9		7/13/79	L9	CDB Level II	5/18/81	L9	CDB Level II	5/18/81
R1		7/13/79	R1	CDB Level II	5/18/81	R1	CDB Level II	5/18/81
R2		7/13/79	R2	CDB Level II	5/18/81	R2	CDB Level II	5/18/81
R3		7/13/79	R3	CDB Level II	5/18/81	R3	CDB Level II	5/18/81
R4		7/13/79	R4	CDB Level II	5/18/81	R4	CDB Level II	5/18/81
R5		7/13/79	R5	CDB Level II	5/18/81	R5	CDB Level II	5/18/81
R6		7/13/79	R6	CDB Level II	5/18/81	R6	CDB Level II	5/18/81
R7		7/13/79	R7	CDB Level II	5/18/81	R7	CDB Level II	5/18/81
R8		7/13/79	R8	CDB Level II	5/18/81	R8	CDB Level II	5/18/81
R9		7/16/79	R9	CDB Level II	5/18/81	R9	CDB Level II	5/18/81

Remaining Welds

F.W.	Accept	Date
1		7/16/79
2		7/13/79
3		7/13/79
4		7/13/79
5		7/16/79
9		7/13/79
10		7/16/79
11		7/13/79
12		7/13/79

Thermal Sleeve S/N 002
Quadrant ~~210°~~ 90°

F.W.	Accept	Date
13		7/13/79
14		7/16/79
15		7/16/79
16	N/A	N/A

DESCRIPTION AND LOCATION OF UNACCEPTABLE INDICATIONS (When noted) DISPOSITION

RCI QC APPROVAL L BARTLETT
5-19-81

RCI-QC APPROVAL H PHILLIPS

FDI NO. 91-57134 Rev. 0 and FDDR No. HA1-207
Penetrant Procedure: RCI PT-1 Rev 5
Acceptance Criteria: GE Spec E5DYP1 Rev 3 Section 4.1.4

PSI Ref. No. RPV-13

PENETRANT INSPECTION DATA SHEET

FEEDWATER SPARGER SERIAL NUMBER 3 QUADRANT LOCATION 91°

F.W. 6	Accept	Date	F.W. 7	Accept	Date	F.W. 8	Accept	Date
L1	BW Level II	7/18/79	L1	BW Level II	7/18/79	L1	BW Level II	7/18/79
L2	BW Level II	7/18/79	L2	BW Level II	7/18/79	L2	BW Level II	7/18/79
L3	BW Level II	7/18/79	L3	BW Level II	7/18/79	L3	BW Level II	7/18/79
L4	BW Level II	7/18/79	L4	BW Level II	7/18/79	L4	BW Level II	7/18/79
L5	BW Level II	7/18/79	L5	BW Level II	7/18/79	L5	BW Level II	7/18/79
L6	BW Level II	7/18/79	L6	BW Level II	7/18/79	L6	BW Level II	7/18/79
L7	BW Level II	7/18/79	L7	BW Level II	7/18/79	L7	BW Level II	7/18/79
L8	BW Level II	7/18/79	L8	BW Level II	7/18/79	L8	BW Level II	7/18/79
L9	BW Level II	7/19/79	L9	BW Level II	7/19/79	L9	BW Level II	7/19/79
R1	BW Level II	7/18/79	R1	BW Level II	7/18/79	R1	BW Level II	7/18/79
R2	BW Level II	7/18/79	R2	BW Level II	7/18/79	R2	BW Level II	7/18/79
R3	BW Level II	7/18/79	R3	BW Level II	7/18/79	R3	BW Level II	7/18/79
R4	BW Level II	7/18/79	R4	BW Level II	7/18/79	R4	BW Level II	7/18/79
R5	BW Level II	7/18/79	R5	BW Level II	7/18/79	R5	BW Level II	7/18/79
R6	BW Level II	7/18/79	R6	BW Level II	7/18/79	R6	BW Level II	7/18/79
R7	BW Level II	7/18/79	R7	BW Level II	7/18/79	R7	BW Level II	7/18/79
R8	L.L. Smith Level II	7/17/79	R8	BW Level II	7/17/79	R8	C.B. Level III	5/18/81
R9	L.L. Smith Level II	7/17/79	R9	BW Level II	7/17/79	R9	C.B. Level III	5/18/81

Remaining Welds		
F.W.	Accept	Date
1	L.L. Smith Level II	7/17/79
2	BW Level II	7/17/79
3	BW Level II	7/17/79
4	BW Level II	7/17/79
5	BW Level II	7/19/79
9	BW Level II	7/17/79
10	L.L. Smith BW II	7/17/79
11	BW Level II	7/17/79
12	BW Level II	7/17/79

Thermal Sleeve S/N 003

Quadrant

F.W.	Accept	Date
13	L.L. Smith Level II	7/20/79
14	L.L. Smith Level II	7/20/79
15	L.L. Smith Level II	7/20/79
16	N/A	N/A

DESCRIPTION AND LOCATION OF UNACCEPTABLE INDICATIONS (When noted) DISPOSITION

F.W. 13 had 2 unacceptable linear indications approximately 6" apart in the middle of the welds. (Beads apparently not completely tied in). Both indications were flapper-wheeled until the weld bead was flush with the pipe. At this point penetrant examination determined that one indication had been eliminated. G.E. then instructed RCI to remove additional metal from the remaining indication. At a depth of approximately .020, the indication was eliminated.

L.L. Smith Level II
7/20/79

RCI-QC APPROVAL L BARTLETT

J. Bartlett 7/17/81

RCI-QC APPROVAL H PHILLIPS

EDI NO. 91-57434 Rev. 0 and FDDR No. HAL-207
Penetrant Procedure: RCI PT-1 Rev 5
Acceptance Criteria: GE Spec E50YP4 Rev 3 Section 4.1.4 PSI Ref. No. RPV-13

PENETRANT INSPECTION DATA SHEET

FEEDWATER SPARGER SERIAL NUMBER 4 QUADRANT LOCATION 270°

F.W. 6	Accept	Date	F.W. 7	Accept	Date	F.W. 8	Accept	Date
L1	BW Level II	7/25/79	L1	BW Level II	7/25/79	L1	BW Level II	7/25/79
L2	BW Level II	7/25/79	L2	BW Level II	7/25/79	L2	BW Level II	7/25/79
L3	BW Level II	7/25/79	L3	BW Level II	7/25/79	L3	BW Level II	7/25/79
L4	BW Level II	7/25/79	L4	BW Level II	7/25/79	L4	BW Level II	7/25/79
L5	BW Level II	7/25/79	L5	BW Level II	7/25/79	L5	BW Level II	7/25/79
L6	BW Level II	7/24/79	L6	BW Level II	7/24/79	L6	BW Level II	7/24/79
L7	BW Level II	7/24/79	L7	BW Level II	7/24/79	L7	BW Level II	7/24/79
L8	BW Level II	7/24/79	L8	BW Level II	7/24/79	L8	BW Level II	7/24/79
L9	BW Level II	7/24/79	L9	BW Level II	7/24/79	L9	BW Level II	7/24/79
R1	BW Level II	7/24/79	R1	BW Level II	7/24/79	R1	BW Level II	7/24/79
R2	BW Level II	7/24/79	R2	BW Level II	7/24/79	R2	BW Level II	7/24/79
R3	BW Level II	7/24/79	R3	BW Level II	7/24/79	R3	BW Level II	7/24/79
R4	BW Level II	7/24/79	R4	BW Level II	7/24/79	R4	BW Level II	7/24/79
R5	BW Level II	7/24/79	R5	BW Level II	7/24/79	R5	BW Level II	7/24/79
R6	BW Level II	7/24/79	R6	BW Level II	7/24/79	R6	BW Level II	7/24/79
R7	BW Level II	7/24/79	R7	BW Level II	7/24/79	R7	BW Level II	7/24/79
R8	BW Level II	7/24/79	R8	BW Level II	7/24/79	R8	BW Level II	7/24/79
R9	BW Level II	7/24/79	R9	BW Level II	7/24/79	R9	BW Level II	7/24/79

Remaining Welds		
F.W.	Accept	Date
1	BW Level II	8/7/79
2	BW Level II	7/24/79
3	BW Level II	7/24/79
4	BW Level II	7/24/79
5	BW Level II	7/25/79
9	BW Level II	7/24/79
10	BW Level II	7/25/79
11	BW Level II	7/24/79
12	BW Level II	7/24/79

Thermal Sleeve S/N 006 Quadrant

F.W.	Accept	Date
13	L.L. Wainscott Lev II	7/10/79
14	L.L. Wainscott Lev II	7/10/79
15	L.L. Wainscott Lev II	7/10/79
16	L.L. Wainscott Lev II	7/10/79

DESCRIPTION AND LOCATION OF UNACCEPTABLE INDICATIONS (When noted) DISPOSITION

F.W. 1 had an unacceptable linear indication in the middle of the weld. The indication was excavated out to a depth of 1/16". At this point, penetrant examination determined that the indication had been eliminated. The excavation was then filled in with weld metal in accordance with WP-3, surface finished to blend with rest of weld and penetrant examined for final acceptance.

L. Wainscott Level II
8/7/79

R.C.I.-QC APPROVAL M PHILLIPS

FDI NO. 91-57434 Rev. 0 and FDDR No. HA1-207
Penetrant Procedure: RCI PE-1 Rev 5
Acceptance Criteria: GE Spec E5DYP4 Rev 3 Section 4.1.4 PSi Ref. No.

PENETRANT INSPECTION DATA SHEET

FEEDWATER SPARGER SERIAL NUMBER 5 QUADRANT LOCATION 330°

F.W. 6	Accept	Date	F.W. 7	Accept	Date	F.W. 8	Accept	Date
L1	BW Level II	7/20/79	L1	BW Level II	7/20/79	L1	BW Level II	7/20/79
L2	BW Level II	7/20/79	L2	BW Level II	7/20/79	L2	BW Level II	7/20/79
L3	BW Level II	7/20/79	L3	BW Level II	7/20/79	L3	BW Level II	7/20/79
L4	BW Level II	7/20/79	L4	BW Level II	7/20/79	L4	BW Level II	7/20/79
L5	BW Level II	7/20/79	L5	BW Level II	7/20/79	L5	BW Level II	7/20/79
L6	BW Level II	7/20/79	L6	BW Level II	7/20/79	L6	BW Level II	7/20/79
L7	BW Level II	7/20/79	L7	BW Level II	7/20/79	L7	BW Level II	7/20/79
L8	BW Level II	7/20/79	L8	BW Level II	7/20/79	L8	BW Level II	7/20/79
L9	BW Level II	7/20/79	L9	BW Level II	7/20/79	L9	BW Level II	7/20/79
R1	BW Level II	7/23/79	R1	BW Level II	7/23/79	R1	BW Level II	7/23/79
R2	BW Level II	7/23/79	R2	BW Level II	7/23/79	R2	BW Level II	7/23/79
R3	BW Level II	7/23/79	R3	BW Level II	7/23/79	R3	BW Level II	7/23/79
R4	BW Level II	7/23/79	R4	BW Level II	7/23/79	R4	BW Level II	7/23/79
R5	BW Level II	7/23/79	R5	BW Level II	7/23/79	R5	BW Level II	7/23/79
R6	BW Level II	7/23/79	R6	BW Level II	7/23/79	R6	BW Level II	7/23/79
R7	BW Level II	7/23/79	R7	BW Level II	7/23/79	R7	BW Level II	7/23/79
R8	BW Level II	7/23/79	R8	BW Level II	7/23/79	R8	BW Level II	7/23/79
R9	BW Level II	7/23/79	R9	BW Level II	7/23/79	R9	BW Level II	7/23/79

Remaining Welds

F.W.	Accept	Date
1	BW Level II	7/23/79
2	BW Level II	7/23/79
3	BW Level II	7/23/79
4	BW Level II	7/23/79
5	BW Level II	7/23/79
9	BW Level II	7/23/79
10	BW Level II	7/23/79
11	BW Level II	7/23/79
12	BW Level II	7/23/79

Thermal Sleeve S/N CC5

Quadrant

F.W.	Accept	Date
13	H Phillips Level II	7/11/79
14	H Phillips Level II	7/11/79
15	H Phillips Level II	7/11/79
16	N/A	N/A

DESCRIPTION AND LOCATION OF UNACCEPTABLE INDICATIONS (When noted) DISPOSITION

R.C.I.-Q.C. APPROVAL H. PHILLIPS

EDI NO. 91-57834 Rev. 0 and FDDR No. HA1-207
Penetrant Procedure: RCI PE-1 Rev 5
Acceptance Criteria: GE Spec E5DYP4 Rev 3 Section 4.1.4

PSI Ref. No. RPV-13

PENETRANT INSPECTION DATA SHEET

FEEDWATER SPARGER SERIAL NUMBER 6 QUADRANT LOCATION 30°

F.W. 6	Accept	Date	F.W. 7	Accept	Date	F.W. 8	Accept	Date
L1	BW Level II	7/20/79	L1	BW Level II	7/20/79	L1	BW Level II	7/20/79
L2	BW Level II	7/20/79	L2	BW Level II	7/20/79	L2	BW Level II	7/20/79
L3	BW Level II	7/20/79	L3	BW Level II	7/20/79	L3	BW Level II	7/20/79
L4	BW Level II	7/20/79	L4	BW Level II	7/20/79	L4	BW Level II	7/20/79
L5	BW Level II	7/20/79	L5	BW Level II	7/20/79	L5	BW Level II	7/20/79
L6	BW Level II	7/19/79	L6	BW Level II	7/19/79	L6	BW Level II	7/19/79
L7	BW Level II	7/19/79	L7	BW Level II	7/19/79	L7	BW Level II	7/19/79
L8	BW Level II	7/19/79	L8	BW Level II	7/19/79	L8	BW Level II	7/19/79
L9	BW Level II	7/19/79	L9	BW Level II	7/19/79	L9	BW Level II	7/19/79
R1	BW Level II	7/19/79	R1	BW Level II	7/19/79	R1	BW Level II	7/19/79
R2	BW Level II	7/19/79	R2	BW Level II	7/19/79	R2	BW Level II	7/19/79
R3	BW Level II	7/19/79	R3	BW Level II	7/19/79	R3	BW Level II	7/19/79
R4	BW Level II	7/19/79	R4	BW Level II	7/19/79	R4	BW Level II	7/19/79
R5	BW Level II	7/19/79	R5	BW Level II	7/19/79	R5	BW Level II	7/19/79
R6	BW Level II	7/19/79	R6	BW Level II	7/19/79	R6	BW Level II	7/19/79
R7	BW Level II	7/19/79	R7	BW Level II	7/19/79	R7	BW Level II	7/19/79
R8	BW Level II	7/19/79	R8	BW Level II	7/19/79	R8	BW Level II	7/19/79
R9	BW Level II	7/19/79	R9	BW Level II	7/19/79	R9	BW Level II	7/19/79

Remaining Welds

F.W.	Accept	Date
1	BW Level II	7/20/79
2	BW Level II	7/19/79
3	BW Level II	7/19/79
4	BW Level II	7/19/79
5	BW Level II	7/20/79
9	BW Level II	7/19/79
10	BW Level II	7/20/79
11	BW Level II	7/19/79
12	BW Level II	7/19/79

Thermal Sleeve S/N 004 Quadrant

F.W.	Accept	Date
13	BW Level II	7/10/79
14	BW Level II	7/10/79
15	BW Level II	7/10/79
16	N/A	N/A

DESCRIPTION AND LOCATION OF UNACCEPTABLE INDICATIONS (When noted) DISPOSITION

RCI-QC APPROVAL H PHILLIPS

FLI NO. 91-57434 Rev. 0 and FDDR No. HAL-207
Penetrant Procedure: RCI PE-1 Rev 5
Acceptance Criteria: GE Spec E50YP4 Rev 3 Section 4.1.4

PSI Ref. No. RPV-13

GENERAL ELECTRIC

LIQUID PENETRANT EXAMINATION DATA SHEET

LASALLE COUNTY STATION UNIT E.D.S. NO. 40123

A. Procedure No. PP-S751 REV. 3

Examination Personnel:

NAME [illegible] LEVEL II

NAME N/A LEVEL

C. Penetrant Materials:

a. MANUFACTURER MAGNAFLUX-SPOTCHECK

b. PRE-CLEANING SOLVENT TYPE SKC-S BATCH NO. 78C130

c. PENETRANT TYPE SKL-HF /SKL-S BATCH NO. 78E073

d. PENETRANT REMOVER TYPE SKC-S BATCH NO. 78C130

e. DEVELOPER TYPE SKD-S BATCH NO. 78D056

f. POST EXAMINATION CLEANER TYPE SKC-S BATCH NO. 78C130

D. Pre-Examination Requirements:

a. TEMPERATURE:

1. PENETRANT MATERIALS BETWEEN 60° F & 125° F - YES ☑ NO ☐ Temp.

2. COMPONENT SURFACE BETWEEN 60° F & 125° F - YES ☑ NO ☐ Temp.

b. SURFACE PREPARATION:

*1. Grinding *2. Flappering *3. None *4. Other N/A

E. Data: Note: All Exam. Components are ASME Section XI C-F Category

LINE NO. 00	DATE 01	PRE-CLEAN EVAP. TIME (MIN) 02	PEN. DW/ELL TIME (MIN) 03	PEN. REM. EVAP. TIME (MIN) 04	DEV. TIME (MIN) 05	EXAMINATION COMPONENT I.D. NO. 06	MAT'L 07	SURF. PREP. * 08	RELEVANT INDICATION YES 09	RELEVANT INDICATION NO 10	ACCEPTABLE YES 11	ACCEPTABLE NO 12	RELEVANT INDICATION LOCATION/SIZE OR COMMENTS 13
1	12-21	6 MIN	22 MIN	5 MIN	25 MIN	RH-1008-2B	C/S	2		✓	✓		
~~2~~	~~12-21~~	~~6~~ MIN	~~22~~ MIN	~~5~~ MIN	~~25~~ MIN	RH-1008-2B	C/S	2		✓	✓		
3	2-21	MIN	MIN	MIN	MIN	RH-1008-3B	C/S	2	✓			✓	*
4		*	Two linear indications which are visible by vi-										
5			located 1" to 2" from toe of the weld and										
6			in system. Also 5½" CuCuM from T23										
7			Both are ¼" long.										
8													
9													
10	* Data on line 2 voided per mccc MRD540 7056 [illegible] 4/30/81												
11													
12													
13													
14													
15													

* Note: For each exam component ID NO., place the applicable number(s) (1,2,3 etc) in its appropriate column.

Reviewed By:

NDE SUPERVISOR [signature] DATE 2-26-79

QC SUPERVISOR Myles Hart DATE 3-1-79

AUTHORIZED INSPECTOR [signature] DATE 3-8-79

GE-10/78 (P1)

GENERAL ELECTRIC
INSTALLATION & SERVICE ENGINEERING DIVISION

LIQUID PENETRANT EXAMINATION DATA SHEET

LASALLE COUNTY NUCLEAR STATION UNIT 1

E.D.S. NO. 77617

A. PROCEDURE NO. PP-S751 REV. 7

B. EXAMINATION PERSONNEL:

NAME CA Hamlin LEVEL II

NAME UA LEVEL UA

C. PENETRANT MATERIALS:

a. MANUFACTURER MAGNAFLUX-SPOTCHECK

b. PRE-CLEANING SOLVENT TYPE SKC-S BATCH NO. 79C014

c. PENETRANT TYPE SKL-HF /SKL-S BATCH NO. 79B109

d. PENETRANT REMOVER TYPE SKC-S BATCH NO. 79C014

e. DEVELOPER TYPE SKD-S BATCH NO. 79E033

f. POST EXAMINATION CLEANER TYPE SKC-S BATCH NO. 79C014

D. PRE-EXAMINATION REQUIREMENTS:

a. TEMPERATURE:

1. PENETRANT MATERIALS BETWEEN 60° F & 125° F - YES [X] NO [ ]
2. COMPONENT SURFACE BETWEEN 60° F & 125° F - YES [X] NO [ ]

b. SURFACE PREPARATION:

*1. GRINDING (*2.) FLAPPERING *3. NONE *4. OTHER _____

E. DATA: NOTE: All Exam components are ASME Sect. XI _____ Category. CF

00 LINE	01 DATE 1981	02 PRE-CLEAN EVAP. TIME	03 PEN. DWELL TIME	04 PEN. REM. EVAP. TIME	05 DEV. TIME	06 EXAMINATION COMPONENT I.D. NO.	07 MAT'L	08 SURF. PREP. *	RELEVANT INDICATION 09 YES	RELEVANT INDICATION 10 NO	ACCEPTABLE 11 YES	ACCEPTABLE 12 NO	RELEVANT INDICATION LOCATION/SIZE OR COMMENTS
1	4-2	5	10	5	15	1RH-1041-30	CS	2		X	X		
2	4-2	5	10	5	15	1RH-1023-2	CS	2		X	X		
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													

NOTE: FOR EACH EXAM COMPONENT ID NO., PLACE THE APPLICABLE NUMBER(s) (1,2,3 etc) IN ITS APPROPRIATE COLUMN.

REVIEWED BY: NDE SUPERVISOR A D Connelly DATE 4/2/81

QC SUPERVISOR L D Whitley DATE 4/15/81

AUTHORIZED INSPECTOR S.A. Fortier DATE 4-15-81

GENERAL ELECTRIC
INSTALLATION & SERVICE ENGINEERING DIVISION

LIQUID PENETRANT EXAMINATION DATA SHEET

LASALLE COUNTY NUCLEAR STATION UNIT 1

E.D.S. NO. 77618

A. PROCEDURE NO. PP-S751 REV. 7

B. EXAMINATION PERSONNEL:

NAME [illegible] LEVEL II

NAME NA LEVEL NA

C. PENETRANT MATERIALS:

a. MANUFACTURER MAGNAFLUX-SPOTCHECK

b. PRE-CLEANING SOLVENT TYPE SKC-S BATCH NO. 79C014

c. PENETRANT TYPE SKL-HF /SKL-S BATCH NO. 79B109

d. PENETRANT REMOVER TYPE SKC-S BATCH NO. 79C014

e. DEVELOPER TYPE SKD-S BATCH NO. 79E033

f. POST EXAMINATION CLEANER TYPE SKC-S BATCH NO. 79C014

D. PRE-EXAMINATION REQUIREMENTS:

a. TEMPERATURE:

1. PENETRANT MATERIALS BETWEEN 60° F & 125° F - YES [X] NO [ ]
2. COMPONENT SURFACE BETWEEN 60° F & 125° F - YES [X] NO [ ]

b. SURFACE PREPARATION:

*1. GRINDING (*2. FLAPPERING) *3. NONE *4. OTHER _____

E. DATA: NOTE: All Exam components are ASME Sect. XI _____ Category. CF

00 LINE NO.	01 DATE 1981	02 PRE-CLEAN EVAP. TIME	03 PEN. DWELL TIME	04 PEN. REM. EVAP. TIME	05 DEV. TIME	06 EXAMINATION COMPONENT I.D. NO.	07 MAT'L	08 SURF. PREP. *	RELEVANT INDICATION YES 09	RELEVANT INDICATION NO 10	ACCEPTABLE YES 11	ACCEPTABLE NO 12	RELEVANT INDICATION LOCATION/SIZE OR COMMENTS
1	4-6	5	10	5	15	1RH1041-31	CS	2		X	X		
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													

NOTE: FOR EACH EXAM COMPONENT ID NO., PLACE THE APPLICABLE NUMBER(s) (1,2,3 etc) IN ITS APPROPRIATE COLUMN.

REVIEWED BY: NDE SUPERVISOR [signature] DATE 4/7/81

QC SUPERVISOR [signature] DATE 4/15/81

AUTHORIZED INSPECTOR [signature] DATE 4-15-81

GENERAL ELECTRIC
INSTALLATION & SERVICE ENGINEERING DIVISION

U.T. CALIBRATION DATA SHEET
LASALLE COUNTY STATION UNIT 1

CDS 77619
LDS 0064

A. Procedure No. MPUP-5751 REV. 6

Examination Personnel: NAME C.L. Hunter LEVEL II NAME A.D. Connelly LEVEL II

Instrument: SERIAL NO. 1348 MAKE/MODEL: - BRANSON/303: ☐ SONIC/MK I: ☒ KK/USL32: ☐ OTHER

C. Search Unit: BEAM ANGLE/MODE: ☐ STRAIGHT BEAM/LONG WAVE: ☒ 45°/TRANS WAVE: ☐ 60°/TRANS WAVE
TRANSDUCER SIZE/FREQ: ☐ 0.25" DIA/2.25 MHz ☒ 0.5" DIA/2.25 MHz ☐ 1.0" DIA/2.25 MHz
SERIAL NO.: D05854 ; ☐ 1.0" DIA/2.25 MHz ☐ 0.5"x0.5"/2.25 MHz
TRANSDUCER TYPE: ☒ CERAMIC SINGLE ELEMENT ☐ CERAMIC DUAL ELEMENT ☐ OTHER
WEDGE TYPE: ☒ STANDARD WEDGE ☐ SPECIAL WEDGE/TYPE
CALCULATED BEAM ANGLE IN MATERIAL: θ_2 = 45° .

E. Cable: LENGTH: 6 FT. TYPE: ☐ RG-58 ☐ RG-59 ☐ RG-57 ☒ RG-174 ☐ OTHER

F. Calibration Orientation: CALIBRATION REFERENCE REFLECTOR: ☐ PARALLEL ☒ TRANSVERSE TO PIPE AXIS
FOR DUAL ELEMENT: SPLIT FOR MAXIMUM RESPONSE ☐ PARALLEL ☐ TRANSVERSE to hole centerli

G. Calibration Standards: LSCS CAL STD. NO. 01-18-01 THICKNESS .57 DIAMETER 12"
MATERIAL: ☒ CARBON ☐ STAINLESS ☐ INCONEL ☐ OTHER

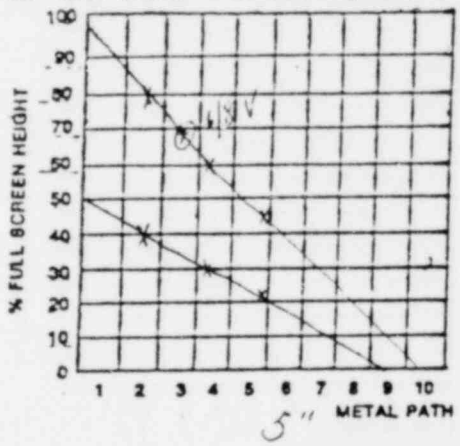
H. Couplant: ☒ GLYCERINE ☐ ULTRAGEL II ☐ OTHER

L. Comments:
+6dB = 6/8 V To 100% DAC

J. Dac Curve — Data

REFLECTOR 00	PEAK AMP 01	W1 02	Wm 03	W2 04	MP1 05	MPm 06	MP2 07	HOLE DEPTH 08
1/8 Vee	80%		.58			.80		
2/8 Vee	60%		1.16			1.60		
3/8 Vee	45%		1.72			2.40		
6/8 Vee	100% + 6dB		.92			1.70		.28

K. Dac Curve -- Screen Representation



L. Instrument Settings/Checks

CONTROLS 00	SET 01	CHECK BOXES 02	03	04	05	06	07	08	09
GAIN	42 dB	✓							
SCAN GAIN	50 dB	✓							
SWEEP	2.5/870	✓							
DELAY	757	✓							
FILTER	AUTO	✓							
REP RATE	MED	✓							
DAMPENING	OFF	✓							
REJECT	OFF	✓							
OTHER	NA	✓							

M. Calibration Time — Records

DATE 1981	01 ORIG. CAL. TIME	02 CAL. CHECK TIME	03 LAST E.D.S. #	04 LAST E.D.S. LINE #	05 VERIFICATION OF 25°F LIMIT (YES/NO)
4-8	1245	NA	NA	NA	Yes
4-8	NA	1545	77620	5	Yes
4-8	NA	1545	77621	5	Yes
4-8	NA	1545	77622	8	Yes
4-8	NA	1545	77623	8	Yes

N. Reviewed By: NDE SUPERVISOR A.D. Connelly DATE 4/9/81
Q.C. SUPERVISOR [illegible] DATE 4/28/81
AUTHORIZED INSPECTOR [illegible] DATE 4-29-81

GE-10/78 (UT)

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

EDS # 77620

CDS # 77619

EXHIBIT 3

ULTRASONIC EXAMINATION DATA SHEET

LaSALLE COUNTY NUCLEAR STATION UNIT 1

PROCEDURE NO. MPUP 5751 REV. 6

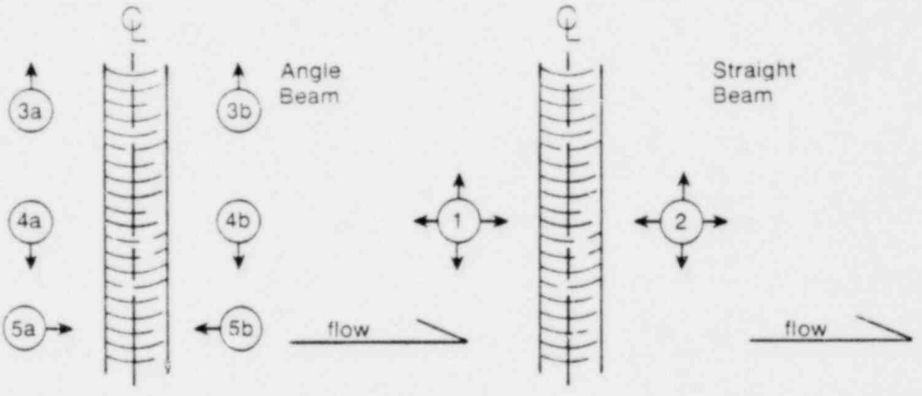
EXAMINATION PERSONNEL:
NAME E.A. Hamler LEVEL II ; NAME S.D. Connelly LEVEL IT

SEARCH UNIT BEAM ANGLE: 0°: ____ 45°: X 60°: ____ OTHER ____

COUPLANT: GLYCERINE: X ULTRAGEL II: ____ OTHER ____

SCAN SENSITIVITY: (+) 8 dB

SCAN ORIENTATION



DATE 1981	LINE NO.	EXAM I.D.	COMP FIG.	MAX AMP	L 1/ W 1	L m/ W m	L 2/ W 2	MP 1	MP m	MP 2	SCAN	STAT.	COMMENTS
4-8	1	IRH 1023 7	EP	100 +6	360 INT	1.0			1.9		5A	E	* FDFS
4-8	2	7	EP	75	360 INT	1.0			2.2		5A	E	* FDFS
4-8	3	7	EP	75	360 INT	1.2			2.6		5A	E	FDCL
4-8	4	IRH1023 7	EP	75	360 INT	1.82			2.5		5B	E	FDNS
4-8	5				* STARRED INDICATIONS APPEAR INDIVIDUALLY & SIMULTANEOUSLY. POSSIBLE MODE CONVERSION.								

REVIEWED BY:
NDE SUPERVISOR S.D. Connelly DATE 4/9/81

QC SUPERVISOR L.D. Wheatley DATE 4/28/81

AUTHORIZED INSPECTOR W.J. Caldwell DATE 4-29-81

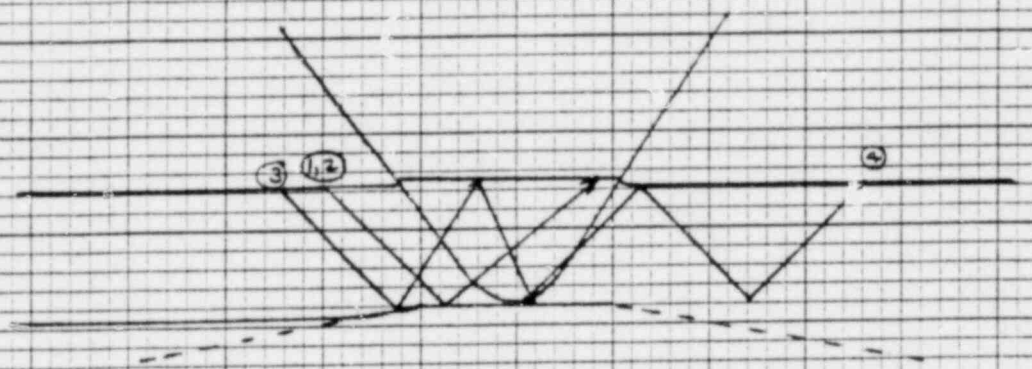
GE-U3

LASALLE UNIT 2 T_E = .68

WELD 1RH-1023-7 T_W = .68

EDS 77620 T_P = .59

GENERAL ELECTRIC



LINE	EVALUATION
1,2	OD geometry from weld cap
3,4	ID geometry from weld root

EVALUATED BY L D Wheatley Level III DATE 4/28/81

REVIEWED BY W J Caldwell ANII DATE 4-29-81

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

EDS # 77621

CDS # 77619

EXHIBIT 3

ULTRASONIC EXAMINATION DATA SHEET

LaSALLE COUNTY NUCLEAR STATION UNIT 1

PROCEDURE NO. MPUP 5751 REV. 6

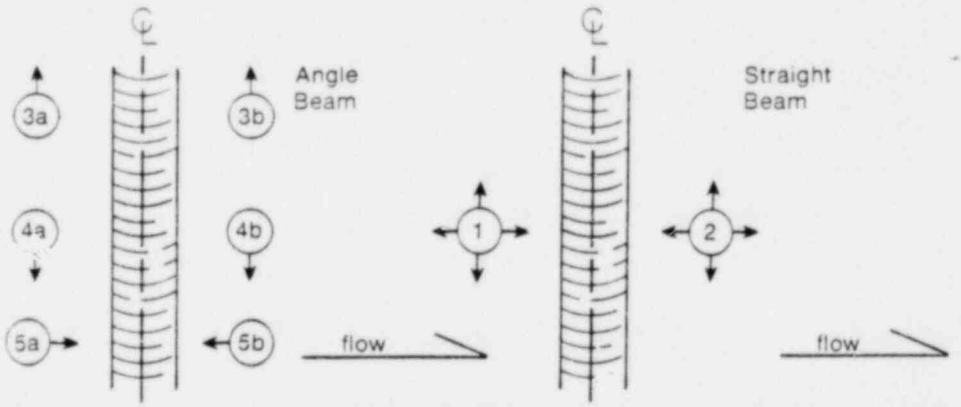
EXAMINATION PERSONNEL:
NAME E.A. Hamlin LEVEL II ; NAME H.D. Connelly LEVEL II

SEARCH UNIT BEAM ANGLE: 0°: ____ 45°: X 60°: ____ OTHER ____

COUPLANT: GLYCERINE: X ULTRAGEL II: ____ OTHER ____

SCAN SENSITIVITY: (+) 8 dB

SCAN ORIENTATION



DATE 1981	LINE NO.	EXAM I.D.	COMP FIG.	MAX AMP	L 1/ W 1	L m/ W m	L 2/ W 2	MP 1	MP m	MP 2	SCAN	STAT.	COMMENTS
4-8	1	IRH 1041 31	PE	60	360 INT	1.7			2.65		5A	E	FDNS
4-8	2	31	PE	75	360 INT	.75			1.9		5B	E	FDFS
4-8	3	31	PE	90	360 INT	1.1			2.65		5B	E	FDFS
4-8	4	IRH 1041 31	PE	75	360 INT	1.7			2.1		5B	E	FDNS
4-8	5	IRH 1023 4A	PE	100 +2	360 INT	1.0			1.95		5B	E	FDFS

REVIEWED BY:
NDE SUPERVISOR H.D. Connelly DATE 4/9/81

QC SUPERVISOR L.D. Wheatley DATE 4/28/81

AUTHORIZED INSPECTOR W.J. Caldwell DATE 4-29-81

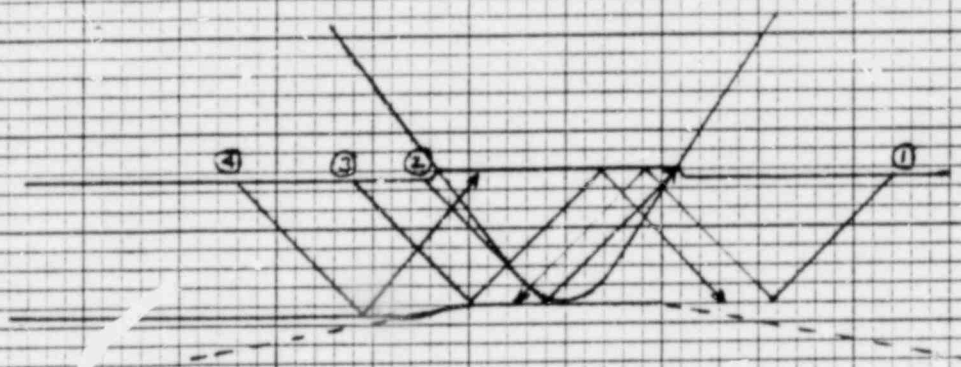
GE-U3

LASALLE UNIT 1 T_p = .61

WELD 1RH 1041-31 T_w = .68

EDS 77621 T= .69

GENERAL ELECTRIC



LINE	EVALUATION
1,3	ID geometry
2,4	OD geometry from weld cap

EVALUATED BY L D Wheatley Level III DATE 4/28/81

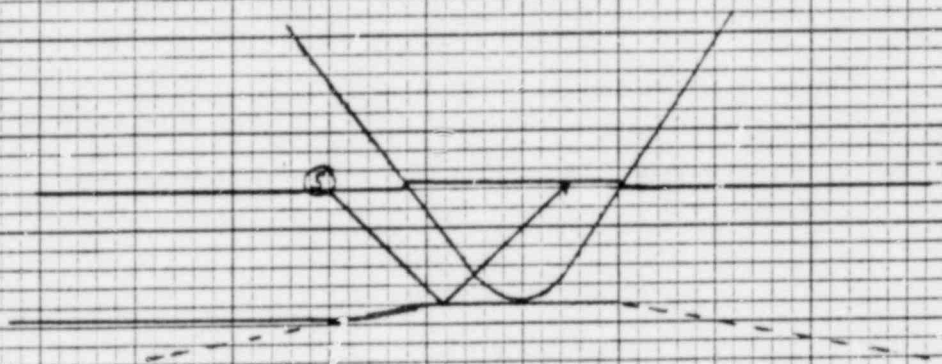
REVIEWED BY W J Caldwell ANII DATE 4-29-81

LASALLE UNIT 1 T_p = .59

WELD 1RH-1023-4A T_w = .65

EDS 77621 T_E = .67

GENERAL ELECTRIC



LINE	EVALUATION
S	OD geometry from weld cap

EVALUATED BY L D Wheatley Level III DATE 4/28/81

REVIEWED BY W J Caldwell ANII DATE 4-29-81

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

EDS # 77622

CDS # 77619

EXHIBIT 3

ULTRASONIC EXAMINATION DATA SHEET

LaSALLE COUNTY NUCLEAR STATION UNIT 1

PROCEDURE NO. MPUP 5751 REV. 6

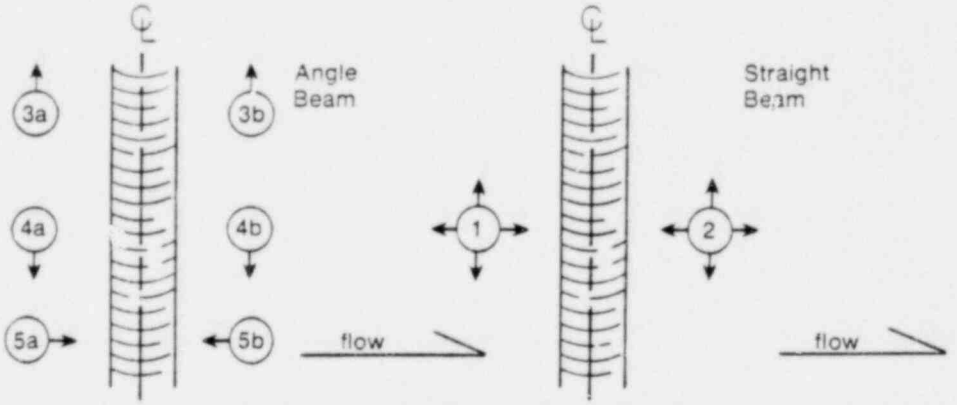
EXAMINATION PERSONNEL:
NAME E A Homelka LEVEL II ; NAME S D Connelly LEVEL II

SEARCH UNIT BEAM ANGLE: 0°: ____ 45°: X 60°: ____ OTHER ____

COUPLANT: GLYCERINE: X ULTRAGEL II: ____ OTHER ____

SCAN SENSITIVITY: (+) 8 dB

SCAN ORIENTATION



DATE 1981	LINE NO.	EXAM I.D.	COMP FIG.	MAX AMP	L_1/W_1	L_m/W_m	L_2/W_2	MP_1	MP_m	MP_2	SCAN	STAT.	COMMENTS
4-8	1	IRH 1023 2	EP	100 +4	360 INT	1.9			2.6		5B	E	FDMS
4-8	2	2	EP	100	360 INT	1.1			2.3		5B	E	FDFS
4-8	3	2	EP	50		6.9			1.95		3A	A	FDOD - SPOT ONLY
						1.0							
4-8	4	2	EP	50		7.1			1.95		3A	A	FDOD - SPOT ONLY
						1.0							
4-8	5	2	EP	100 +4	360 INT	1.0			1.9		5A	E	* FDFS
4-8	6	2	EP	75	360 INT	1.0			2.2		5A	E	* FDFS
4-8	7	IRH 1023 2	EP	100	360 INT	1.2			2.6		5A	E	FDCL
4-8	8				* STARRED INDICATIONS APPEAR INDIVIDUALLY & SIMULTANEOUSLY. POSSIBLE MODE CONVERSION.								

REVIEWED BY:
NDE SUPERVISOR S D Connelly DATE 4/9/81

QC SUPERVISOR L V Wheatley DATE 4/28/81

AUTHORIZED INSPECTOR W J Caldwell DATE 4-29-81

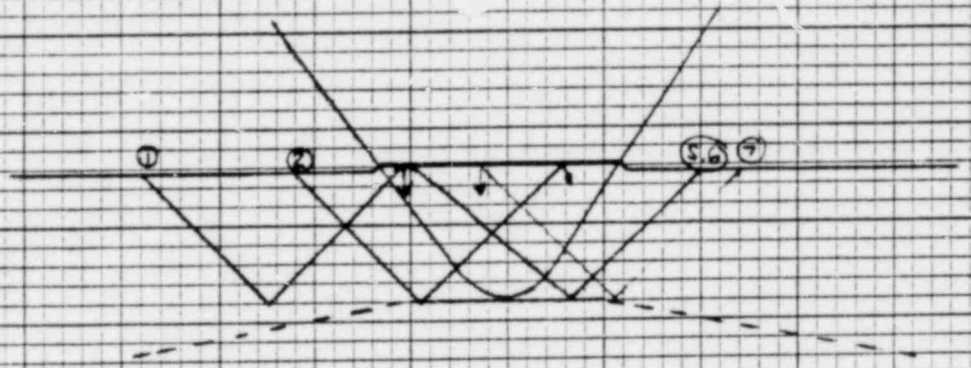
GE-U3

LASALLE UNIT 1 T_E = .65

WELD IRH-1023-2 T_W = .71

EDS 77622 T_D = .62

GENERAL ELECTRIC



LINE	EVALUATION
1-6	OD geometry + subsequent mode conversion from weld cap

EVALUATED BY L D Weatherly Level III DATE 4/28/81

REVIEWED BY W J Caldwell ANII DATE 4-29-81

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

EDS # 77623

CDS # 77619

EXHIBIT 3

ULTRASONIC EXAMINATION DATA SHEET

LaSALLE COUNTY NUCLEAR STATION UNIT 1

PROCEDURE NO. MPUP S751 REV. 6

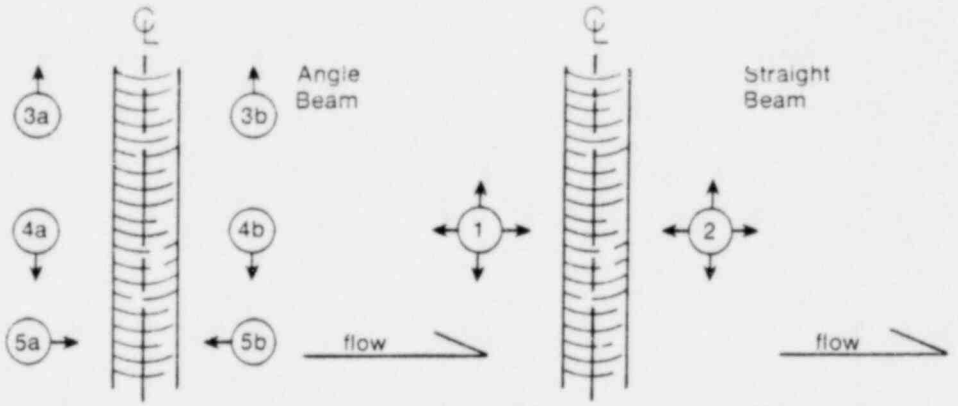
EXAMINATION PERSONNEL:
NAME E.E. Hamler LEVEL II ; NAME A.D. Connelly LEVEL IT

SEARCH UNIT BEAM ANGLE: 0°: ____ 45°: X 60°: ____ OTHER ____

COUPLANT: GLYCERINE: X ULTRAGEL II: ____ OTHER ____

SCAN SENSITIVITY: (+) 8 dB

SCAN ORIENTATION



DATE 1981	LINE NO.	EXAM I.D.	COMP FIG.	MAX AMP	L 1/ W 1	L m/ W m	L 2/ W 2	MP 1	MP m	MP 2	SCAN	STAT.	COMMENTS
4-8	1	IRH 1023 14	PE	100	360 INT	.6			1.05		5B	E	
4-8	2	14	PE	100 +4	360 INT	.85			1.7		5B	A	* FDFS
4-8	3	14	PE	60	360 INT	.85			2.05		5B	E	* FDFS
4-8	4	14	PE	75	360 INT	1.3			2.55		5B	E	FDCL
4-8	5	14	PE	100	360 INT	1.6			2.4		5A	E	FDNS
4-8	6	14	PE	50	19.4	1.1			1.8		4A	A	FDOD-SPOT ONLY
4-8	7	IRH 1023 14	PE	75	11.6	.8			1.5		4A	A	SPOT ONLY
4-8	8				* STARRED INDICATIONS APPEAR INDIVIDUALLY & SIMULTANEOUSLY POSSIBLE MODE CONVERSION.								

REVIEWED BY:
NDE SUPERVISOR A.D. Connelly DATE 4/9/81

QC SUPERVISOR L.D. Whatley DATE 4/28/81

AUTHORIZED INSPECTOR W J Caldwell DATE 4-29-81

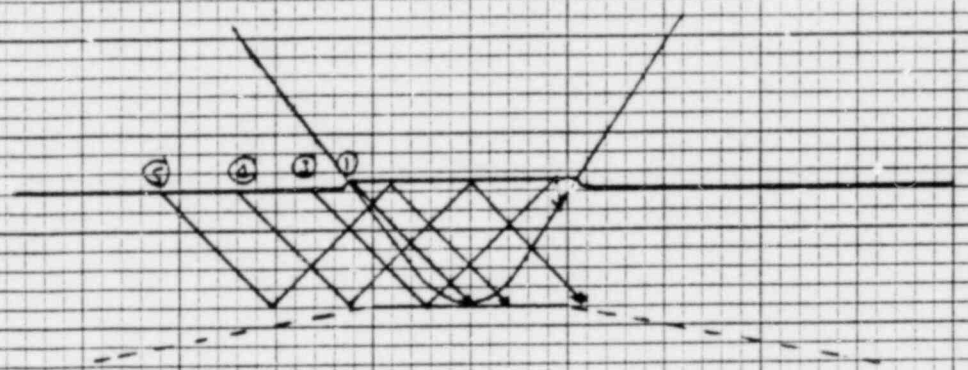
GE-U3

LASALLE UNIT 1 T_p = .57

WELD 1RH-1023-14 T_w = .67

EDS 77623 T_E = .61

GENERAL ELECTRIC



LINE	EVALUATION
1,4,5	ID geometry
~~3~~	~~OD geometry of~~
3	Mode conversion off weld cap

EVALUATED BY K D Whatley Level III DATE 4/28/81

REVIEWED BY W J Caldwell AWII DATE 4-29-81

VT DATA SHT# 84512
12/16/80
2 OF 4

VISUAL EXAMINATION REPORT

LINE NO.	EXAM/COMPONENT I. D. NO.	SYS.	DWG.	SKETCH YES *	SKETCH NO	DISCONTINUITIES	PHOTO ROLL	PHOTO FRAME
1	1E51-F063	MS	(1MS-1055)	✓		NONE		
2	1E51-F008	RI	(1RI-1001)	✓				
3	~~1E51-F004~~ V	RI	~~(1RI-1001)~~		~~✓~~	Voided per mcco MRD 544654 9 RJN 4/30/81		
4	1E51-F013	RI	(1RI-1002)	✓				
5	1E12-F019	RH	(1RI-1003)	✓				
6	1E51-F065-1	RI	(1RI-1003)	✓				
7	1E51-F065-2	RH	(1RI-1003)	✓				
8	1E12-F042B	RH	(1RH-1002)	✓				
9	1E12-F042A	RH	(1RH-1003)		✓			
10	1E12-F042C	RH	(1RH-1005)	✓				
11	1E21-F005	LP	(1LP-1001)	✓				
12	1E21-F006-1	LP	(1LP-1001)	✓				
13	1E21-F006-2	LP	(1LP-1001)	✓				
14	1E21-F006-3	LP	(1LP-1001)	✓				
15	~~1E33-F001~~	RI	~~(1RI-1001)~~		~~✓~~	Voided per mcco MRD 541715 RJN 4/30/81		

* Attached

REVIEWED BY AND LEVEL Ray Terry, Level II Date: 12/17/80

A.N.I. W J Caldwell Date: 1-5-81

REVIEWED BY: R J Wheatley DATE 12/22/80
GENERAL ELECTRIC CO. LEVEL III

NDE Sup SD Connelly 12/17/80

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

VT DATA SHEET# 84520
5-6-81
Page 1 of 3

VISUAL EXAMINATION

Site LA SALLE ☒ Preservice ☐ ISI DATE 5-6-81

Examiner and Level Ray Terry Level 2

Procedure PVI-ISI 151 REV 2 Revision

I Hangers and Supports
Discontinuities

A. Settings
B. Misalignment
C. Broken Members
D. Gouges
E. Arc Strikes
F. Grind Marks
G. Movement
H. Evidence of Leakage

II Pipe Welds and Base Material
Discontinuities

A. Ground Blend Areas
B. Undercuts
C. Corrosion Buildup
D. Gouges
E. Evidence of Leakage
F. Arc Strikes
G. Cracks

III Bolts, Studs and Washers
Discontinuities

A. Loose Members
B. Cracks
C. Corrosion
D. Gouges
E. Thread Damage

IV Pump and Valve Bodies, Casings, Internals
Discontinuities

A. Pitting
B. Corrosion
C. Erosion
D. Foreign Material
E. Gouges
F. Wear
G. Cracks

The Component Classification Number and Discontinuity Letter from above are to be used when completing attachment 2.

VT EXAMINATION DETAILS

☒ Direct Visual; ☐ Remote Visual. Surface Conditior SMOOTH

Surface Preparation Methods/Tools Used (if any)

Illumination Instruments Used FLASH LIGHT

Direct Visual Aides Used N/A

Remote Visual Equipment Used N/A

NDE Sup S D Donnelly 5/6/81 L D Whatley Level III 5/11/81 PAGE 1 OF 2 W J Caldwell ANII 5-13-81

GEZ-4609

VT DATA SHT# 84520
5-6-81
PAGE 2 OF 3

Ray Terry Level 2

VISUAL EXAMINATION REPORT

LINE NO.	EXAM/COMPONENT I. D. NO.	SYS.	DWG.	SKETCH YES *	SKETCH NO	DISCONTINUITIES	PHOTO ROLL	PHOTO FRAME
1	1B33-F067A		IRR 1002			NONE		
2	1B33-F060A-1					"		
3	1B33-F060A-2					"		
4	1B33-F060A-3					"		
5	1B33-F060A-4		↓			"		
6	1B33-F023A		IRR 1003			"		
7	1B33-F067B		IRR 1006			"		
8	1B33F060B-1					"		
9	1B33-F060B-2					"		
10	1B33-F060B-3					"		
11	1B33-F060B-4		↓			"		
12	1B33F023B		IRR 1007			"		
13								
14								
15								

* Attached

REVIEWED BY AND LEVEL L.D. Dudley Date: 5/11/81

A.N.I. W. J. Caldwell Date: 5-13-81

NDE Engr. S.D. Connelly 5/6/81

Rep Temp Feed 2

VT DATA SHT# 84520
5/6/81
Page 3 of 3

VISUAL EXAMINATION REPORT

LINE NO.	EXAM/COMPONENT I. D. NO.	SYS.	DWG.	SKETCH YES *	SKETCH NO	DISCONTINUITIES	PHOTO ROLL	PHOTO FRAME
1	1B21-F010 A-1	IFW 1001			—	NONE		
2	1B21-F010 A-2	↓			—	NONE		
3	1B21-F010 B-1	IFW 1002			—	NONE		
4	1B21-F010 B-2	↓			—	NONE		
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								

* Attached

REVIEWED BY AND LEVEL L D Heatley Date: 5/11/81

A.N.I. W J Collins Date: 5-13-81

NDE Sup SD Connelly 5/6/81

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING

EDS #: 91032

CDS #: 91036

ULTRASONIC EXAMINATION DATA SHEET
LASALLE COUNTY STATION UNIT 1

A. Procedure No. MDUP-5751 REV. 4

B. Examination Personnel:
NAME [illegible] LEVEL II NAME Justus Schmitigal LEVEL II

C. Search Unit Beam Angle (± 2°): ☐ 0° ☒ 45° ☐ 60° ☐ Other

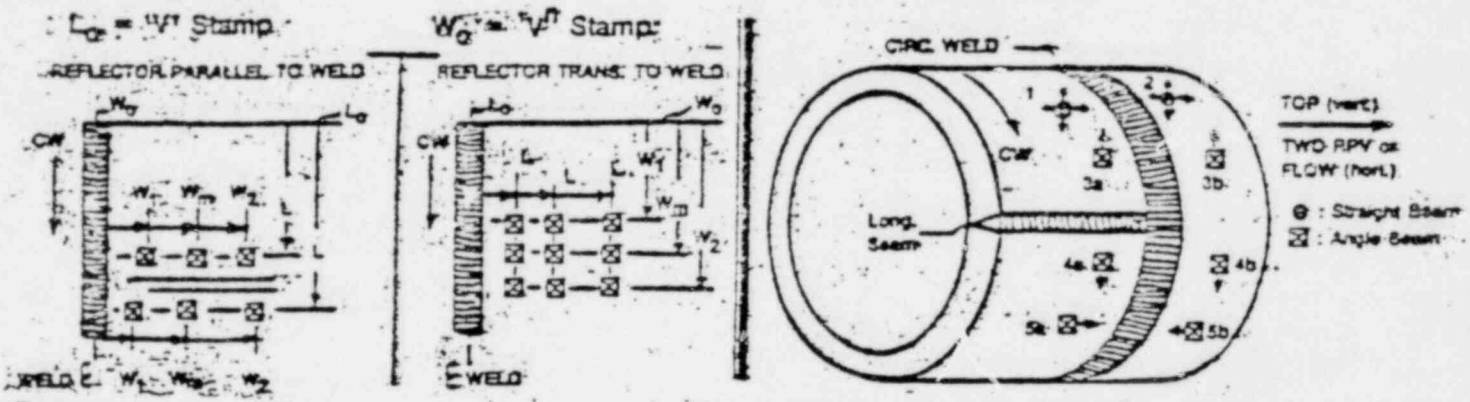
D. Couplant: ☒ Glycerine ☐ Ultragel II ☐ Other

E. Scan Sensitivity: (+) 9 dB

F. Reference System

G. Scan Orientation

L_o = "L" Stamp W_o = "W" Stamp



H. Data: Data on-line 6,7 voided per MCCO MRD 5407056 KWW 4/30/81

00 DATE	01 LINE NO.	02 EXAM/ COMP. I.D. NO.	03 COMP FIG.	04 REC. IND. YES/NO	05 MAX% DAC @ W_m	06 L_o / W_o	07 L	08 W_1	09 W_m	10 W_2	11 SRP$_1$ or MP$_1$	12 SRP$_m$ or MP$_m$	13 SRP$_2$ or MP$_2$	14 SCAN	15 Comments (Thickness Meas.)
5-4-79	1	IRM-1008 15	E-P	Yes	50%	TDC / 4	360		1.5			6.0		5A	360 INT ODFD
5-4-79	2	IRM-1008 15	E-P	Yes	50%	TDC / 4	360		1.6			8.4		5A	360 INT
5-4-79	3	IRM-1008 15	E-P	Yes	60%	TDC / 4	360		on weld .3			6.0		5A	360 INT ODFD
5-4-79	4	IRM-1008 15	E-P	Yes	100 430%	TDC / 4	360		on weld .3			6.0		5b	360 INT ODFD
5-4-79	5	IRM-1008 15	E-P	Yes	55%	TDC / 4	360		.3			3.0		5b	360 INT ID
5-4-79	6	IRM-1008 23	P-E	Yes	10%	TDC / 4	360		on weld .6			7.0		5A	360 INT FD
5-4-79	7	IRM-1008 23	P-E	Yes	10%	TDC / 4	360		on weld .5			6.0		5b	360 INT ID
	8					/									
	9					/									

L. Reviewed By:

NDE SUPERVISOR S D Connelley DATE 5/6/79

QC SUPERVISOR: L W Whetley DATE 5/9/79

AUTHORIZED INSPECTOR W. Allen J. Colwell DATE 5-12-79

3

GENERAL ELECTRIC
NUCLEAR ENERGY INSTALLATION & SERVICE ENGINEERING DIVISION

U.T. CALIBRATION DATA SHEET
LASALLE COUNTY STATION UNIT 1

CDS 92283
LDS 0064

A. Procedure No. MPUP-S751 REV. 6

Examination Personnel: NAME [illegible] LEVEL II NAME [illegible] LEVEL II

Instrument: SERIAL NO. 1348 MAKE/MODEL: – BRANSON/303: ☐ SONIC/MK I: ☒ KK/USL32: ☐ OTHER

D. Search Unit: BEAM ANGLE/MODE: ☒ STRAIGHT BEAM/LONG WAVE: ☐ 45°/TRANS WAVE: ☐ 60°/TRANS WAVE
TRANSDUCER SIZE/FREQ: ☐ 0.25" DIA/2.25 MHz ☐ 0.5" DIA/2.25 MHz ☐ 1.0" DIA/2.25 MHz
SERIAL NO.: H25831 ☐ 1.0" DIA/2.25 MHz ☒ 0.5"x0.5"/2.25 MHz
TRANSDUCER TYPE: ☐ CERAMIC SINGLE ELEMENT ☒ CERAMIC DUAL ELEMENT ☐ OTHER
WEDGE TYPE: ☒ STANDARD WEDGE ☐ SPECIAL WEDGE/TYPE
CALCULATED BEAM ANGLE IN MATERIAL: θ_2 = 0 °

E. Cable: LENGTH: 6 FT. TYPE: ☐ RG-58 ☐ RG-59 ☐ RG-57 ☒ RG-174 ☐ OTHER

F. Calibration Orientation: CALIBRATION REFERENCE REFLECTOR: ☐ PARALLEL ☒ TRANSVERSE TO PIPE AXIS (to hole center)
FOR DUAL ELEMENT: SPLIT FOR MAXIMUM RESPONSE ☒ PARALLEL ☐ TRANSVERSE

G. Calibration Standards: LSCS CAL. STD. NO. 01-18-01 THICKNESS .57" DIAMETER 18"
MATERIAL: ☒ CARBON ☐ STAINLESS ☐ INCONEL ☐ OTHER

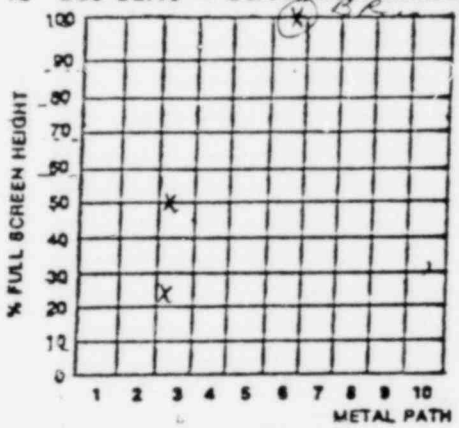
K. Couplant: ☒ GLYCERINE ☐ ULTRAGEL II ☐ OTHER

L. Comments:

J. Dac Curve — Data

REFLECTOR 00	PEAK AMP 01	W1 02	Wm 03	W2 04	MP1 05	MPm 06	MP2 07	HOLE DEPTH 08
¼ T or ⅞ Vee								
½ T or ¼ Vee	50%					.23		.23
¾ T or ⅛ Vee								
B.P. or ⅛ Vee	100% +6					.57		

K. Dac Curve — Screen Representation



L. Instrument Settings/Checks

CONTROLS 00	SET 01	CHECK BOXES 02	03	04	05	06	07	08	09
GAIN	72	✓	✓						
SCAN GAIN	40	✓	✓						
SWEEP	.5 / 6.84	✓	✓						
DELAY	7.46	✓	✓						
FILTER	AUTO	✓	✓						
REP RATE	MED	✓	✓						
SQUELCH	OFF	✓	✓						
REJECT	OFF	✓	✓						
OTHER	NA	✓	✓						

M. Calibration Time — Records

1981 DATE	01 ORIG. CAL. TIME	02 CAL. CHECK TIME	03 LAST E.D.S. #	04 LAST E.D.S. LINE #	05 VERIFICATION OF 25°F LIMIT (YES/NO)
3/27	0845	NA	NA	NA	YES
3/27	NA	1235	92284	2	YES
3/27	NA	1500	92284	4	YES

N. Reviewed By: NDE SUPERVISOR [illegible] DATE 3/30 81
Q.C. SUPERVISOR [illegible] DATE 4/13/81
AUTHORIZED INSPECTOR [illegible] DATE 4-15-81

GE-0078 (UZ)

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

EDS # 92284

CDS # 92283

EXHIBIT 3

ULTP[illegible]ONIC EXAMINATION DATA SHEET

LaSALLE COUNTY NUCLEAR STATION UNIT 1

PROCEDURE NO. mpup-5751 REV. 6

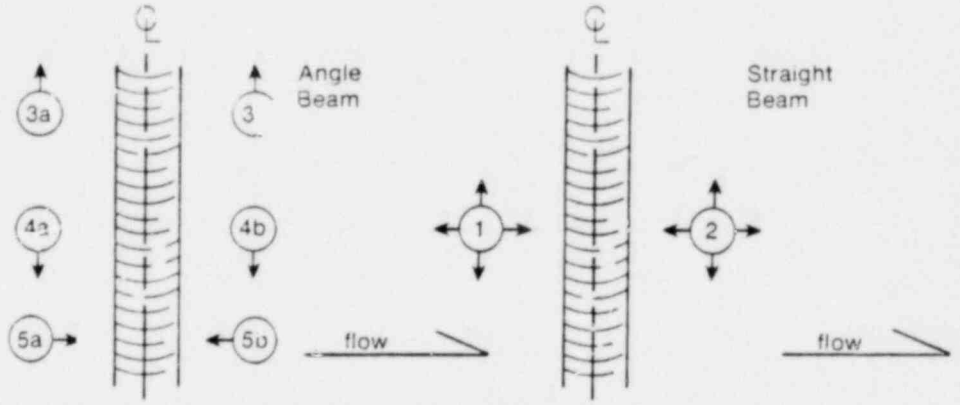
EXAMINATION PERSONNEL:
NAME Tony McEndarf LEVEL II ; NAME J Kelly LEVEL II

SEARCH UNIT BEAM ANGLE: 0°: X 45°: _____ 60°: _____ OTHER _____

COUPLANT: GLYCERINE: X ULTRAGEL II: _____ OTHER _____

SCAN SENSITIVITY: (+) 8 dB

SCAN ORIENTATION



1981 DATE	LINE NO.	EXAM I.D.	COMP FIG.	MAX AMP	L 1/ W 1	L m/ W m	L 2/ W 2	MP 1	MP m	MP 2	SCAN	STAT.	COMMENTS
		IRH-1024			P	W	V	NO SCAN VALVE SIDE					
3-27	1	4A	P-V		.61	.74	N/A					A	
		IRH-1023			E	W	P						
3-27	2	16	E-P		.68	.67	.61					A	
					E	W	P						
3-27	3	9	E-P		.63	.69	.58					A	
					P	W	E						
3-27	4	8	P-E		.58	.62	.65					A	

REVIEWED BY:
NDE SUPERVISOR S D Connelly DATE 3/30/81

QC SUPERVISOR [illegible] DATE 4/15/81

AUTHORIZED INSPECTOR J S A Fetter DATE 4-15-81

GE-U3

GENERAL ELECTRIC
POST ACCIDENT & SERVICE ENGINEERING DIVISION

U.T. CALIBRATION DATA SHEET
LASALLE COUNTY STATION UNIT I

CDS 92285
LDS 062

A. Procedure No. MPUP-S751 REV. 6

Examination Personnel: NAME [illegible] LEVEL II NAME [illegible] LEVEL II

Instrument: SERIAL NO. 339 MAKE/MODEL: – BRANSON/303: ☐ SONIC/MK I: ☐ KK/USL32: ☒ OTHER [illegible]

D. Search Unit: BEAM ANGLE/MODE: ☐ STRAIGHT BEAM/LONG WAVE: ☒ 45°/TRANS WAVE: ☐ 60°/TRANS WAVE
TRANSDUCER SIZE/FREQ: ☐ 0.25" DIA/2.25 MHz ☒ 0.5" DIA/2.25 MHz ☐ 1.0" DIA/2.25 MHz
SERIAL NO.: D05854 ☐ 1.0" DIA/2.25 MHz ☒ 0.5"x0.5"/2.25 MHz
TRANSDUCER TYPE: ☒ CERAMIC SINGLE ELEMENT ☐ CERAMIC DUAL ELEMENT ☐ OTHER
WEDGE TYPE: ☒ STANDARD WEDGE ☐ SPECIAL WEDGE/TYPE
CALCULATED BEAM ANGLE IN MATERIAL: θ_2 = 46 1/2 °

E. Cable: LENGTH: 6 FT. TYPE: ☐ RG-58 ☐ RG-59 ☐ RG-57 ☒ RG-174 ☐ OTHER

F. Calibration Orientation: CALIBRATION REFERENCE REFLECTOR: ☐ PARALLEL ☒ TRANSVERSE TO PIPE AXIS to hole centerline
FOR DUAL ELEMENT: SPLIT FOR MAXIMUM RESPONSE ☐ PARALLEL ☐ TRANSVERSE

G. Calibration Standards: LSCS CAL. STD. NO. 01-18-01 THICKNESS .57" DIAMETER 18"
MATERIAL: ☒ CARBON ☐ STAINLESS ☐ INCONEL ☐ OTHER

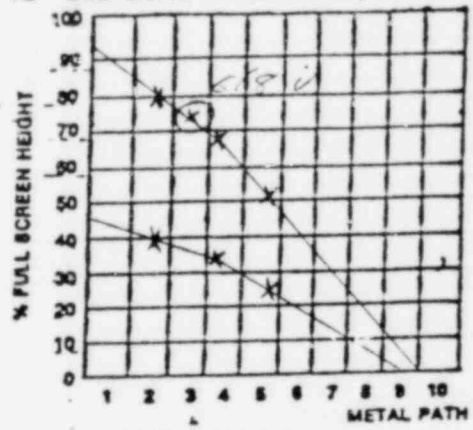
H. Couplant: ☒ GLYCERINE ☐ ULTRAGEL II ☐ OTHER

I. Comments: +4 dB = 6/8 V TO 100% DAC

J. Dac Curve — Data

REFLECTOR 00	PEAK AMP 01	W1 02	Wm 03	W2 04	MP1 05	MPm 06	MP2 07	HOLE DEPTH 08
¼ T or 4 TB Yoke	80%		.59			.79		
½ T or 2 TB Yoke	68%		1.2			1.61		
¾ T or 1.5 TB Yoke	52%		1.75			2.41		
E.R. or 1 TB Yoke	100% +4		.93			1.2		.28

K. Dac Curve — Screen Representation



5" SCREEN

L. Instrument Settings/Checks

CONTROLS 00	SET 01	CHECK BOXES 02	03	04	05	06	07	08	09
GAIN	60	✓	✓						
SCAN GAIN	68	✓	✓						
SWEEP	5/7.06	✓	✓						
DELAY	1/7.77	✓	✓						
FILTER	1	✓	✓						
REP RATE	1000	✓	✓						
[illegible]	OFF	✓	✓						
REJECT	OFF	✓	✓						
OTHER	NA	✓	✓						

M. Calibration Time — Records

1981 DATE	01 ORIG. CAL. TIME	02 CAL. CHECK TIME	03 LAST E.D.S. #	04 LAST E.D.S. LINE #	05 VERIFICATION OF 25°F LIMIT (YES/NO)
3-27	0900	NA	NA	NA	YES
3-27	N.A	1235	92286	7	YES
3-27	NA	1500	92287	6	YES
3-27	NA	1500	92288	PW2 8	YES
3-27	NA	1500	92288	PW2 2	YES

N. Reviewed By: NDE SUPERVISOR [signature] DATE 3/30/81
Q.C. SUPERVISOR [signature] DATE 4/30/81
AUTHORIZED INSPECTOR [signature] DATE 4-30-81

GE-0/75 (U2)

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

EDS # 92286

CDS # 92285

EXHIBIT 3

ULTRASONIC EXAMINATION DATA SHEET

LaSALLE COUNTY NUCLEAR STATION UNIT 1

PROCEDURE NO. MPUP-375-1 REV. 6

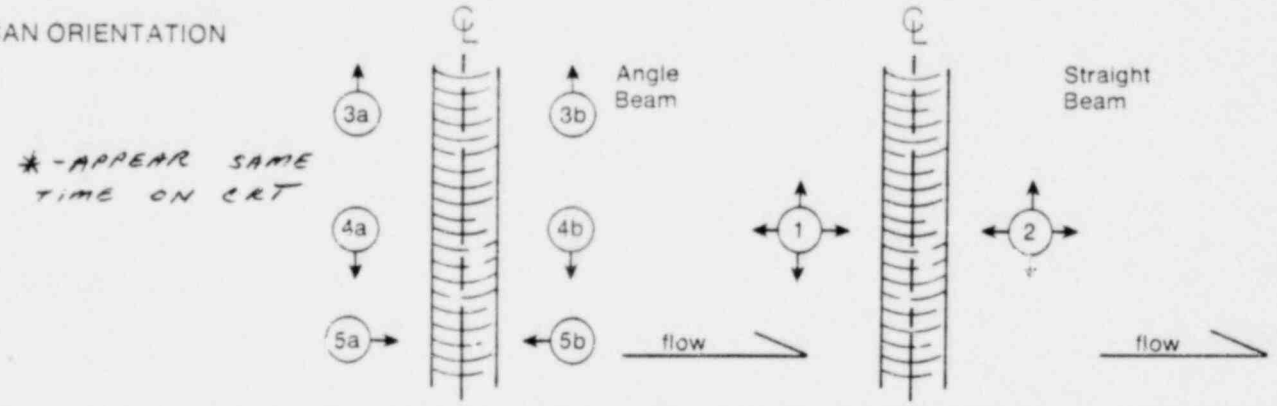
EXAMINATION PERSONNEL:
NAME Larry Whitesell LEVEL II ; NAME J Elvey LEVEL II

SEARCH UNIT BEAM ANGLE: 0°: ____ 45°: X 60°: ____ OTHER ____

COUPLANT: GLYCERINE: X ULTRAGEL II: ____ OTHER ____

SCAN SENSITIVITY: (+) 8 dB

SCAN ORIENTATION



* - APPEAR SAME TIME ON CRT

1981 DATE	LINE NO.	EXAM I.D.	COMP FIG.	MAX AMP	L 1/ W 1	L m/ W m	L 2/ W 2	MF 1	MP m	MP 2	SCAN	STAT.	COMMENTS
3-27	1	IRH-1623 8	P-E	100% +4	360 INT	.95			1.81		5B	A	FDFT
3-27	2	8	P-E	80%	360 INT	.7			1.1		5B	E	
3-27	3	8	P-E	100% +6	360 INT	1.1			2.05		5B	E	FDFS *
3-27	4	8	P-E	60%	360 INT	1.1			2.4		5B	E	FDFS *
3-27	5	8	P-E	75%	360 INT	1.95			2.65		5A	E	FDNS
3-27	6	8	P-E	80%	360 INT	1.3			.81		5A	E	
3-27	7	8	P-E	60%	360 INT	1.5			1.4		5A	A	FDNT

REVIEWED BY:
NDE SUPERVISOR M D Connelly DATE 3/30/81

QC SUPERVISOR L D Wheatley DATE 4/30/81

AUTHORIZED INSPECTOR W J Caldwell DATE 4-30-81

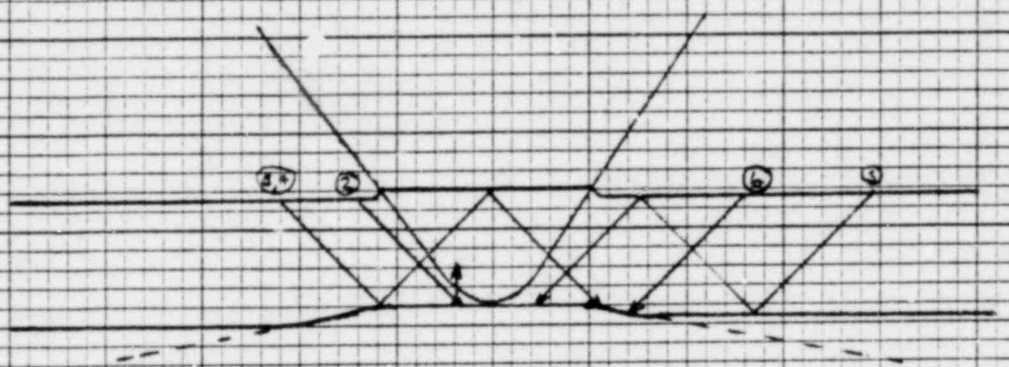
GE-U3

LASALLE UNIT 1 T_p = .58

WELD IRH-1023-8 T_w = .62

EDS 92286 T_c = .65

GENERAL ELECTRIC



LINE	EVALUATION
2	Made conversion off weld root
3,4	OD geometry from weld cap
3,6	ID geometry from counterbore
5	ID geometry from weld root

EVALUATED BY L D Wheatley Level III DATE 4/30/81

REVIEWED BY W J Caldwell ANII DATE 4-30-81

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

EDS # 92287

CDS # 92285

EXHIBIT 3

ULTRASONIC EXAMINATION DATA SHEET

LaSALLE COUNTY NUCLEAR STATION UNIT 1

PROCEDURE NO. MPUP-575-1 REV. 6

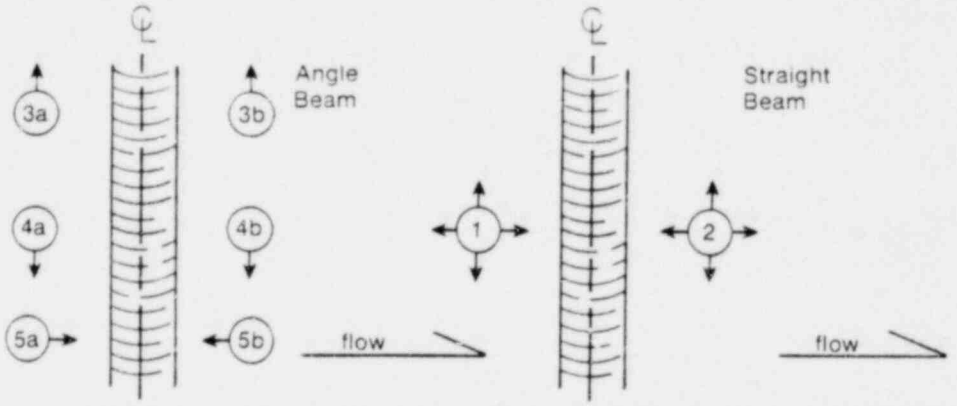
EXAMINATION PERSONNEL:
NAME Tony Richardson LEVEL II ; NAME J. Schaefer LEVEL II

SEARCH UNIT BEAM ANGLE: 0°: ____ 45°: X 60°: ____ OTHER ____

COUPLANT: GLYCERINE: X ULTRAGEL II: ____ OTHER ____

SCAN SENSITIVITY: (+) 8 dB

SCAN ORIENTATION



1981 DATE	LINE NO.	EXAM I.D.	COMP FIG.	MAX AMP	L_1/W_1	L_m/W_m	L_2/W_2	MP_1	MP_m	MP_2	SCAN	STAT.	COMMENTS
3-27	1	IRH-1024 4A	P-V		NO SCAN			VALVE		SIDE			
3-27	2	IRH-1024 4A	P-V	80%	38.6 .9	38.8 .95	39.1 1.1	1.65	1.8	1.95	3A	E	FDOD
3-27	3	IRH-1023 9	E-P	75%	360 INT	1.9			2.65		5B	E	FDNS
3-27	4	9	E-P	80%	360 INT	.95			1.9		5A	A	FDFT
3-27	5	9	E-P	100% +2	360 INT	.6			1.1		5A	E	
3-27	6	9	E-P	55%	360 INT	1.25			2.45		5A	E	FDFS

REVIEWED BY:
NDE SUPERVISOR S D Connelly DATE 3/30/81

QC SUPERVISOR L D Wheatley DATE 4/30/81

AUTHORIZED INSPECTOR W J Caldwell DATE 4-30 81

GE-U3

LASALLE UNIT 2 T_p = .61

WELD 1RH-1024-4A T_w = .74

EDS 92287 T=

GENERAL ELECTRIC

LINE	EVALUATION
2	Based on metal path & the fact that the indication hangs damps, this is probably an localized OD geometric reflector

EVALUATED BY L D Wheatley Level III DATE 4/30/81

REVIEWED BY W J Caldwell AMII DATE 4-30-81

LASALLE UNIT 2 T_E = .63

WELD 1RH-1023-9 T_W = .69

EDS 92287 T_p = .5x

GENERAL ELECTRIC

LINE	EVALUATION
3,5	ID geometry from weld root
6	Mode conversion off weld cap

EVALUATED BY L D Whitley Level III DATE 4/30/81

REVIEWED BY W J Caldwell AMII DATE 4-30 81

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

EDS # 92285

CDS # 92285

EXHIBIT 3

ULTRASONIC EXAMINATION DATA SHEET

LaSALLE COUNTY NUCLEAR STATION UNIT 1

PROCEDURE NO. MPUP-575-1 REV. 6

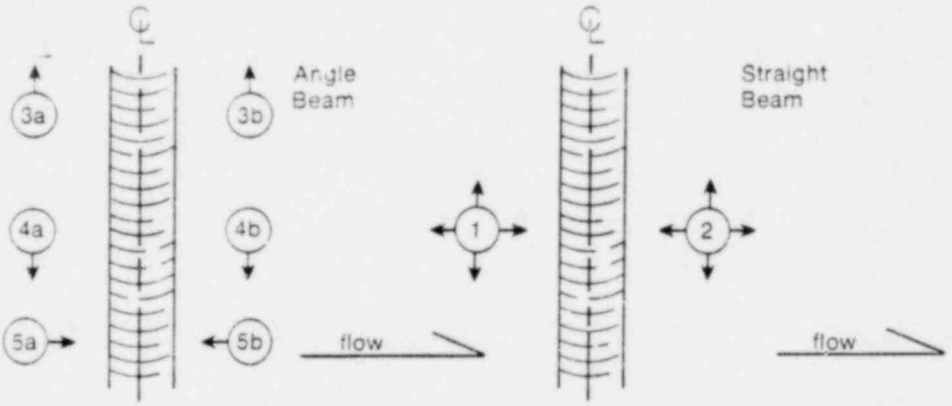
EXAMINATION PERSONNEL:
NAME Larry Strickland LEVEL II ; NAME J Eberly LEVEL II

SEARCH UNIT BEAM ANGLE: 0°: ____ 45°: X 60°: ____ OTHER ____

COUPLANT: GLYCERINE: X ULTRAGEL II: ____ OTHER ____

SCAN SENSITIVITY: (+) 8 dB

SCAN ORIENTATION



1981 DATE	LINE NO.	EXAM I.D.	COMP FIG.	MAX AMP	L_1/ W_1	L_m/ W_m	L_2/ W_2	MP_1	MP_m	MP_2	SCAN	STAT.	COMMENTS
3-27	1	IRH-1023 16	E-P	75%		360 INT .9			1.85		5B	A	FDFT
3-27	2	16	E-P	100%		360 INT 1.9			2.75		5B	E	FDNS
3-27	3	16	E-P	55%		360 INT 1.7			2.45		5B	E	FDNS
3-27	4	16	E-P	55%		360 INT .9			1.75		5A	A	FDFT
3-27	5	16	E-P	100%		360 INT 1.0			1.65		5A	A	FDFT
3-27	6	16	E-P	75%		360 INT 1.45			2.6		5A	E	FDNS
3-27	7	16	E-P	80%	35.52 1.2	35.3 1.5	35.15 1.65	1.7	1.81	1.95	4B	E	FDOD
3-27	8	16	E-P	80%	37.7 1.4	38.0 1.6	38.2 2.1	1.75	1.9	2.1	3B	E	FDOD

REVIEWED BY:
NDE SUPERVISOR S D Connelly DATE 3/30/81

QC SUPERVISOR L D Whatley DATE 4/30/81

AUTHORIZED INSPECTOR W J Caldwell DATE 4-30-81

GE-U3

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

EDS # 92288

CDS # 92285

EXHIBIT 3

ULTRASONIC EXAMINATION DATA SHEET

LaSALLE COUNTY NUCLEAR STATION UNIT 1

PROCEDURE NO. MPUP-575-1 REV. 6

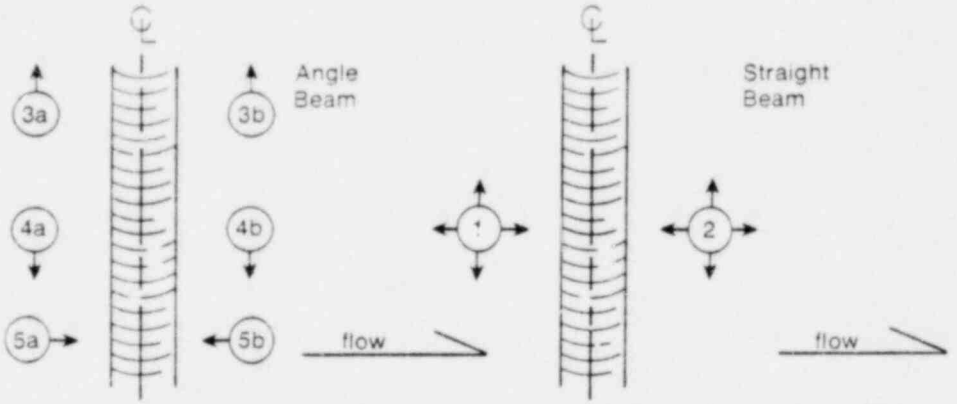
EXAMINATION PERSONNEL:
NAME Gary M Endsley LEVEL II ; NAME J E Conley LEVEL IT

SEARCH UNIT BEAM ANGLE: 0°: ____ 45°: X 60°: ____ OTHER ____

COUPLANT: GLYCERINE: X ULTRAGEL II: ____ OTHER ____

SCAN SENSITIVITY: (+) 8 dB

SCAN ORIENTATION



1981 DATE	LINE NO.	EXAM I.D.	COMP FIG.	MAX AMP	L_1/W_1	L_m/W_m	L_2/W_2	MP_1	MP_m	MP_2	SCAN	STAT.	COMMENTS
3-27	1	IRH-1023 16	E-P	50%		45.5 .8			1.81		4B	E	SPOT ONLY FDOD
3-27	2	16	E-P	60%		48.4 .9			1.81		3B	E	SPOT ONLY FDOD

REVIEWED BY:
NDE SUPERVISOR L J Connelly DATE 3/30/81

QC SUPERVISOR L D Whatley DATE 4/30/81

AUTHORIZED INSPECTOR W J Caldwell DATE 4-30-81

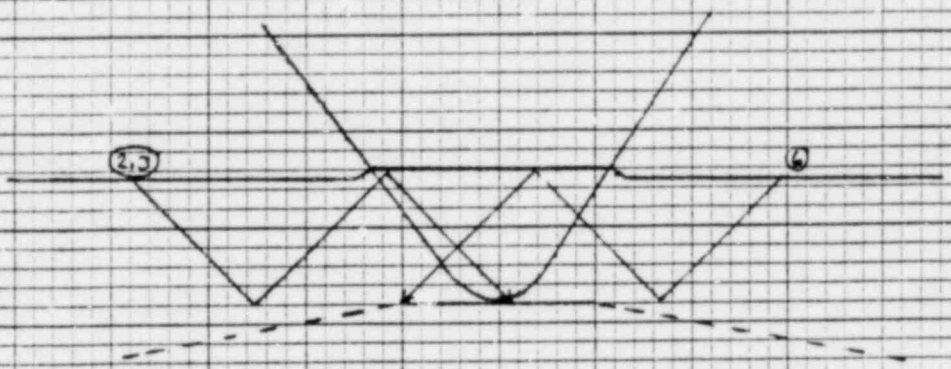
GE-U3

LASALLE UNIT 2 T_E = .63

WELD 1RH-1023-16 T_W = .69

EDS 92288 T_P = .58

GENERAL ELECTRIC



LINE	EVALUATION
2,3,6	ID geometry from weld root & counterbore
7,8,12	Based on metal path & the fact, the indication fingers damps these are from a localized OD geometry

EVALUATED BY K D Wheatley Level III DATE 4/30/81

REVIEWED BY L J Caldwell ANII DATE 4-30-81

GENERAL ELECTRIC
INSTALLATION & SERVICE ENGINEERING DIVISION

U.T. CALIBRATION DATA SHEET
LASALLE COUNTY STATION UNIT 1

CDS 92289
LDS CC65

A. Procedure No. MPUP-S751 REV. 6
Examination Personnel: NAME [illegible] LEVEL II NAME [illegible] LEVEL II
Instrument: SERIAL NO. 521 MAKE/MODEL: – BRANSON/303: ☐ SONIC/MK I: ☒ KK/USL32: ☐ OTHER

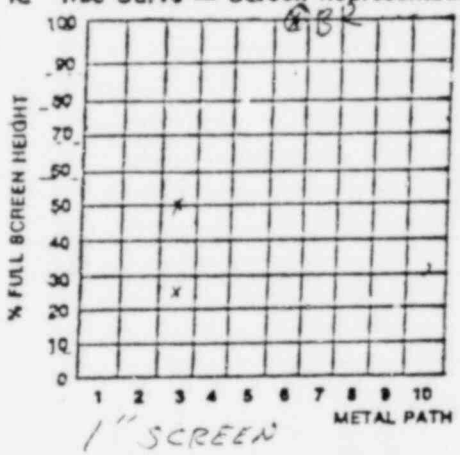
D. Search Unit: BEAM ANGLE/MODE: ☒ STRAIGHT BEAM/LONG WAVE: ☐ 45°/TRANS WAVE: ☐ 60°/TRANS WAVE
TRANSDUCER SIZE/FREQ: ☐ 0.25" DIA/2.25 MHz ☐ 0.5" DIA/2.25 MHz ☐ 1.0" DIA/2.25 MHz
SERIAL NO.: 425831 ; ☐ 1.0" DIA/2.25 MHz ☒ 0.5"x0.5"/2.25 MHz
TRANSDUCER TYPE: ☐ CERAMIC SINGLE ELEMENT ☒ CERAMIC DUAL ELEMENT ☐ OTHER
WEDGE TYPE: ☒ STANDARD WEDGE ☐ SPECIAL WEDGE/TYPE
CALCULATED BEAM ANGLE IN MATERIAL: θ_2 = 60°

E. Cable: LENGTH: 6 FT. TYPE: ☐ RG-58 ☐ RG-59 ☐ RG-57 ☒ RG-174 ☐ OTHER
F. Calibration Orientation: CALIBRATION REFERENCE REFLECTOR: ☐ PARALLEL ☒ TRANSVERSE TO PIPE AXIS to hole center
FOR DUAL ELEMENT: SPLIT FOR MAXIMUM RESPONSE ☒ PARALLEL ☐ TRANSVERSE
G. Calibration Standards: LSCS CAL STD. NO. 01-13-01 THICKNESS .57 DIAMETER 1.5"
MATERIAL: ☒ CARBON ☐ STAINLESS ☐ INCONEL ☐ OTHER
H. Couplant: ☒ GLYCERINE ☐ ULTRAGEL II ☐ OTHER
I. Comments:

J. Dac Curve — Data

SECTOR 00	PEAK AMP 01	W1 02	Wm 03	W2 04	MP1 05	MPm 06	MPz 07	HOLE DEPTH 08
¼ T or ¾ Vee								
½ T or Full Vee	50%					.24		.24
¾ T or 1½ Vee								
S.R. or 1½ Vee	100% 80%					.57		

K. Dac Curve — Screen Representation



1" SCREEN

L. Instrument Settings/Checks

CONTROLS 00	SET 01	CHECK BOXES 02 03 04 05 06 07 08 09
GAIN	32	✓
SCAN GAIN	40	✓
SWEEP	6.75	✓
DELAY	753	✓
FILTER	AUTO	✓
REP RATE	MED	✓
[illegible]	OFF	✓
[illegible]	OFF	✓
OTHER	LA	✓

M. Calibration Time — Records

1981 DATE	01 ORIG. CAL. TIME	02 CAL. CHECK TIME	03 LAST E.D.S. #	04 LAST E.D.S. LINE #	05 VERIFICATION OF 25°F LIMIT (YES/NO)
4-6	0855	NA	NA	NA	YES
4-8	NA	1135	92290	5	YES

N. Reviewed By: NDE SUPERVISOR [signature] DATE 4/7/81
Q.C. SUPERVISOR [signature] DATE 4/15/81
AUTHORIZED INSPECTOR [signature] DATE 4-15-81

GE-0078 (UZ)

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

EDS # 92290

CDS # 92289

EXHIBIT 3

ULTRASONIC EXAMINATION DATA SHEET

LaSALLE COUNTY NUCLEAR STATION UNIT 1

PROCEDURE NO. MPUP-5751 REV. 6

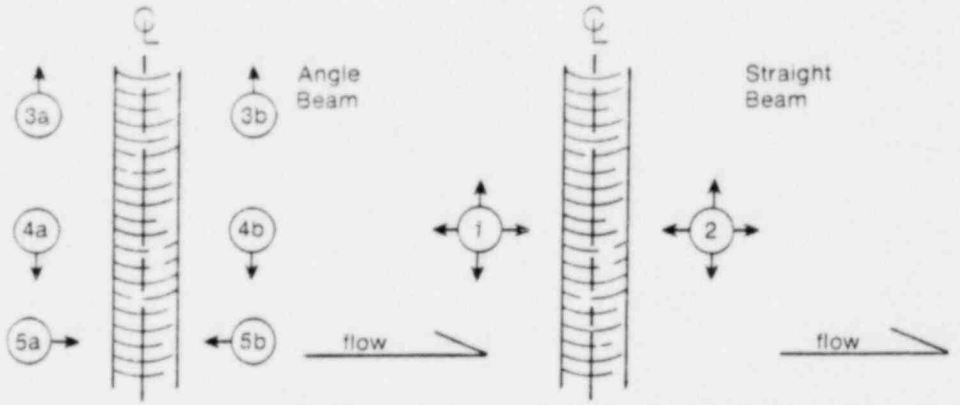
EXAMINATION PERSONNEL:
NAME Larry A. Lindsey LEVEL II ; NAME J.E. Craig LEVEL II

SEARCH UNIT BEAM ANGLE: 0°; X 45°: _____ 60°: _____ OTHER _____

COUPLANT: GLYCERINE: X ULTRAGEL II: _____ OTHER _____

SCAN SENSITIVITY: (+) 8 dB

SCAN ORIENTATION



1981 DATE	LINE NO.	EXAM I.D.	COMP FIG.	MAX AMP	L_1/W_1	L_m/W_m	L_2/W_2	MP_1	MP_m	MP_2	SCAN	STAT.	COMMENTS
		IRH-1041			P	W	E						
4-8	1	31	P-E		.61	.68	.69					A	
		IRH-1023			E	W	P						
4-8	2	2	E-P		.65	.71	.62					A	
					P	W	E						
4-8	3	4A	P-E		.59	.65	.67					A	
					E	W	P						
4-8	4	7	E-P		.68	.68	.59					A	
					P	W	E						
4-8	5	14	P-E		.57	.67	.61					A	

REVIEWED BY:
NDE SUPERVISOR A.D. Connelly DATE 4/9/81

QC SUPERVISOR R.D. Whatley DATE 4/15/81

AUTHORIZED INSPECTOR S.A. Forbes DATE 4-15-81

GE-U3

GENERAL ELECTRIC
INSTALLATION & SERVICE ENGINEERING DIVISION

U.T. CALIBRATION DATA SHEET
LASALLE COUNTY STATION UNIT 1

CDS 92291
LDS CC65

A. Procedure No. MPUP-S751 REV. 6
Examination Personnel: NAME [illegible] LEVEL II NAME [illegible] LEVEL II
Instrument: SERIAL NO. 521 MAKE/MODEL: - BRANSON/303: ☐ SONIC/MK I: ☒ KK/USL32: ☐ OTHER

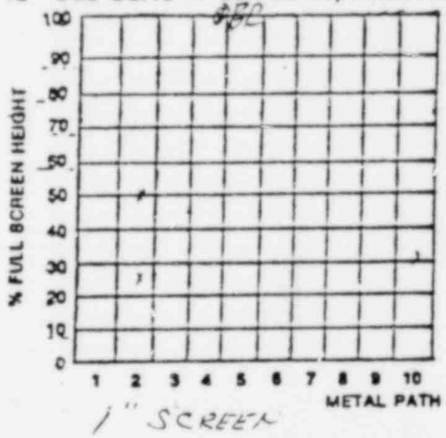
D. Search Unit: BEAM ANGLE/MODE: ☒ STRAIGHT BEAM/LONG WAVE: ☐ 45°/TRANS WAVE: ☐ 60°/TRANS WAVE
TRANSDUCER SIZE/FREQ: ☐ 0.25" DIA/2.25 MHz ☐ 0.5" DIA/2.25 MHz ☐ 1.0" DIA/2.25 MHz
SERIAL NO.: A220/C ; ☐ 1.0" DIA/2.25 MHz ☒ 0.5"x0.5"/2.25 MHz
TRANSDUCER TYPE: ☐ CERAMIC SINGLE ELEMENT ☒ CERAMIC DUAL ELEMENT ☐ OTHER
WEDGE TYPE: ☒ STANDARD WEDGE ☐ SPECIAL WEDGE/TYPE
CALCULATED BEAM ANGLE IN MATERIAL: θ_2 = 0°

E. Cable: LENGTH: 6 FT. TYPE: ☐ RG-58 ☐ RG-59 ☐ RG-57 ☒ RG-174 ☐ OTHER
F. Calibration Orientation: CALIBRATION REFERENCE REFLECTOR: ☐ PARALLEL ☒ TRANSVERSE TO PIPE AXIS to hole centerli
FOR DUAL ELEMENT: SPLIT FOR MAXIMUM RESPONSE ☒ PARALLEL ☐ TRANSVERSE
G. Calibration Standards: LSCS CAL. STD. NO. C1-18-C5 THICKNESS .34 DIAMETER 18"
MATERIAL: ☒ CARBON ☐ STAINLESS ☐ INCONEL ☐ OTHER
H. Couplant: ☒ GLYCERINE ☐ ULTRAGEL II ☐ OTHER
L Comments:

J. Dac Curve — Data

SECTOR 00	PEAK AMP 01	W1 02	Wm 03	W2 04	MP1 05	MPm 06	MP2 07	HOLE DEPTH 08
¼ T or /8 Vee								
½ T or /4 Vee	50%					.16		.16
¾ T or /8 Vee								
B.R. or /4 Vee	100% / 12					.38		

K. Dac Curve — Screen Representation



1" SCREEN

L. Instrument Settings/Checks

CONTROLS 00	SET 01	CHECK BOXES 02 03 04 05 06 07 08 09
GAIN	48	
SCAN GAIN	56	
SWEEP	3/671	
DELAY	751	
FILTER	AUTO	
REP RATE	MED	
DAMPENING	OFF	
REJECT	OFF	
OTHER	NA	

M. Calibration Time — Records

1981 DATE	01 ORIG. CAL TIME	02 CAL CHECK TIME	03 LAST E.D.S. #	04 LAST E.D.S. LINE #	05 VERIFICATION OF 25°F LIMIT (YES/NO)
4-9	0910	NA	NA	NA	YES
4-9	NA	1130	92292	1	YES

N. Reviewed By: NDE SUPERVISOR [illegible] DATE 4/10/81
Q.C. SUPERVISOR [illegible] DATE 4/15/81
AUTHORIZED INSPECTOR [illegible] DATE 4-15-81

GE-' 0/78 (U2)

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

EDS # 92292

CDS # 92291

EXHIBIT 3

ULTRASONIC EXAMINATION DATA SHEET

LaSALLE COUNTY NUCLEAR STATION UNIT 1

PROCEDURE NO. MPUP-575-1 REV. 6

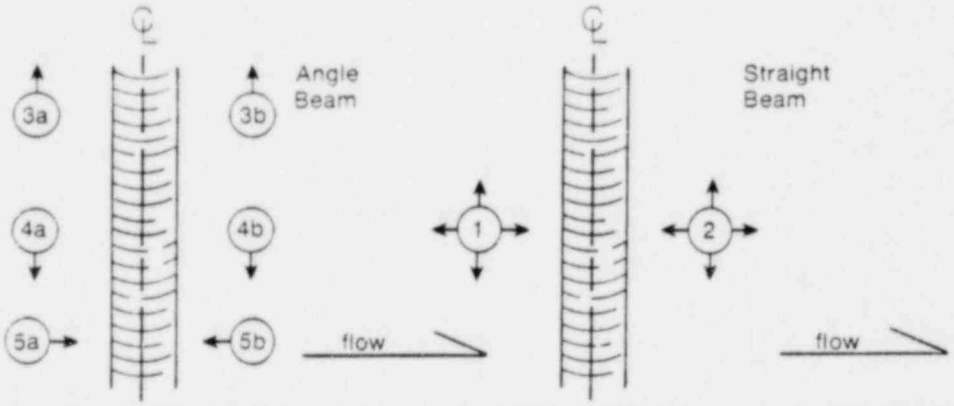
EXAMINATION PERSONNEL:
NAME Tony McCracken LEVEL II ; NAME J. Clark LEVEL II

SEARCH UNIT BEAM ANGLE: 0°: X 45°: _____ 60°: _____ OTHER _____

COUPLANT: GLYCERINE: X ULTRAGEL II: _____ OTHER _____

SCAN SENSITIVITY: (+) 8 dB

SCAN ORIENTATION



1981 DATE	LINE NO.	EXAM I.D.	COMP FIG.	MAX AMP	L_1/ W_1	L_m/ W_m	L_2/ W_2	MP_1	MP_m	MP_2	SCAN	STAT.	COMMENTS
		IRH-1024			V	W	P	NO SCAN		VALVE			
4-9	1	4B	V-P		N/A	.58	.37	SIDE				A	

REVIEWED BY:
NDE SUPERVISOR J D Connelly DATE 4/10/81

QC SUPERVISOR L D Whatley DATE 4/15/81

AUTHORIZED INSPECTOR S. T. Felton DATE 4-15-81

GE-U3

GENERAL ELECTRIC
INSTALLATION & SERVICE ENGINEERING DIVISION

U.T. CALIBRATION DATA SHEET
LASALLE COUNTY STATION UNIT 1

CDS 92293
LDS 0064

A. Procedure No. MPUP-575 REV. 6
Examination Personnel: NAME [illegible] LEVEL II NAME [illegible] LEVEL II
Instrument: SERIAL NO. 1348 MAKE/MODEL: – BRANSON/303: ☐ SONIC/MK I: ☒ KK/US-32: ☐ OTHER

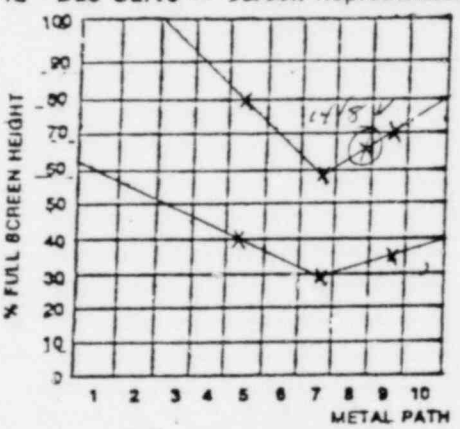
D. Search Unit: BEAM ANGLE/MODE: ☐ STRAIGHT BEAM/LONG WAVE: ☒ 45°/TRANS WAVE: ☐ 60°/TRANS WAVE
TRANSDUCER SIZE/FREQ: ☐ 0.25" DIA/2.25 MHz ☒ 0.5" DIA/2.25 MHz ☐ 1.0" DIA/2.25 MHz
SERIAL NO.: 407944 ; ☐ 1.0" DIA/2.25 MHz ☐ 0.5"x0.5"/2.25 MHz
TRANSDUCER TYPE: ☒ CERAMIC SINGLE ELEMENT ☐ CERAMIC DUAL ELEMENT ☐ OTHER
WEDGE TYPE: ☒ STANDARD WEDGE ☐ SPECIAL WEDGE/TYPE
CALCULATED BEAM ANGLE IN MATERIAL: θ_2 = 44.2 °

E. Cable: LENGTH: 6 FT. TYPE: ☐ RG-58 ☐ RG-59 ☐ RG-57 ☒ RG-174 ☐ OTHER
F. Calibration Orientation: CALIBRATION REFERENCE REFLECTOR: ☐ PARALLEL ☒ TRANSVERSE TO PIPE AXIS to hole centerli
FOR DUAL ELEMENT: SPLIT FOR MAXIMUM RESPONSE ☐ PARALLEL ☐ TRANSVERSE
G. Calibration Standards: LSCS CAL. STD. NO. 01-18-05 THICKNESS .38" DIAMETER 1.5"
MATERIAL: ☒ CARBON ☐ STAINLESS ☐ INCONEL ☐ OTHER
H. Couplant: ☒ GLYCERINE ☐ ULTRAGEL II ☐ OTHER
I. Comments: + 8 dB = 14/8 V TO 100% DAC

J. Dac Curve — Data

REFLECTOR 00	PEAK AMP 01	W1 02	Wm 03	W2 04	MP1 05	MPm 06	MPz 07	HOLE DEPTH 08
¼ T or 5/8 Vee	80%		.82			1.1		
¼ T or 1 2/8 Vee	59%		1.22			1.65		
¼ T or 1 6/8 Vee	70%		1.61			2.15		
S.R. or 1 4/8 Vee	100% +8		1.42			1.9		.18

K. Dac Curve — Screen Representation



2.5" SCREEN

L. Instrument Settings/Checks

CONTROLS 00	SET 01	CHECK BOXES 02 03 04 05 06 07 08 09
GAIN	46	/
SCAN (DELAY)	54	/
SWEEP	2.5"/5.87	/
DELAY	7.56	/
FILTER	AUTO	/
REP RATE	MED	/
DAMPENING	OFF	/
RECT.	OFF	/
OTHER	NA	/

M. Calibration Time — Records

1981 DATE	01 ORIG. CAL TIME	02 CAL. CHECK TIME	03 LAST E.D.S. #	04 LAST E.D.S. LINE #	05 VERIFICATION OF 25°F LIMIT (YES/NO)
4-10	0925	NA	NA	NA	YES
4-10	NA	1115	92294	1	YES

N. Reviewed By: NDE SUPERVISOR [signature] DATE 4/13/81
Q.C. SUPERVISOR [signature] DATE 4/13/81
AUTHORIZED INSPECTOR [signature] DATE 4-15-81

GE-0/78 (U2)

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

EDS # 92294

CDS # 92293

EXHIBIT 3

ULTRASONIC EXAMINATION DATA SHEET

LaSALLE COUNTY NUCLEAR STATION UNIT 1

PROCEDURE NO. MPUP-5751 REV. 6

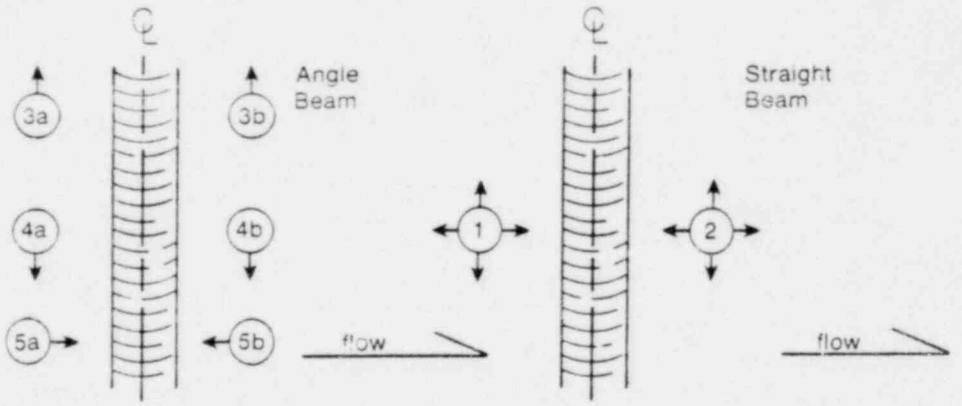
EXAMINATION PERSONNEL:
NAME Tony Whitehead LEVEL II ; NAME [signature] LEVEL II

SEARCH UNIT BEAM ANGLE: 0°; ____ 45°; X 60°; ____ OTHER ____

COUPLANT: GLYCERINE: X ULTRAGEL II: ____ OTHER ____

SCAN SENSITIVITY: (+) 8 dB

SCAN ORIENTATION



1981 DATE	LINE NO.	EXAM I.D.	COMP FIG.	MAX AMP	L_1/W_1	L_m/W_m	L_2/W_2	MP_1	MP_m	MP_2	SCAN	STAT.	COMMENTS
4-10	1	IRH-1024 4B	V-P		NO	SCAN	VALVE		SIDE			A	

REVIEWED BY:
NDE SUPERVISOR [signature] DATE 4/13/81

QC SUPERVISOR [signature] DATE 4/15/81

AUTHORIZED INSPECTOR [signature] DATE 4-15-81

GE-U3

GENERAL ELECTRIC
INSTALLATION & SERVICE ENGINEERING DIVISION

LIQUID PENETRANT EXAMINATION DATA SHEET

E.D.S. NO. 92295

LASALLE COUNTY NUCLEAR STATION UNIT 1

A. PROCEDURE NO. PP-5751 REV. 7

B. EXAMINATION PERSONNEL:

NAME Larry P. Kriedel LEVEL II

NAME J.E. Cody LEVEL II

C. PENETRANT MATERIALS:

a. MANUFACTURER MAGNAFLUX-SPOTCHECK

b. PRE-CLEANING SOLVENT TYPE SKC-S BATCH NO. 79C014

c. PENETRANT TYPE SKL-HF /SKL-S BATCH NO. 79B109

d. PENETRANT REMOVER TYPE SKC-S BATCH NO. 79C014

e. DEVELOPER TYPE SKD-S BATCH NO. 79E033

f. POST EXAMINATION CLEANER TYPE SKC-S BATCH NO. 79C014

D. PRE-EXAMINATION REQUIREMENTS:

a. TEMPERATURE:

1. PENETRANT MATERIALS BETWEEN 60° F & 125° F - YES [X] NO [ ]
2. COMPONENT SURFACE BETWEEN 60° F & 125° F - YES [X] NO [ ]

b. SURFACE PREPARATION:

*1. GRINDING (*2. FLAPPERING) *3. NONE *4. OTHER

E. DATA: NOTE: All Exam components are ASME Sect. XI Category. C-F

00 LINE NO.	01 DATE 1981	02 PRE-CLEAN EVAP. TIME	03 PEN. DWELL TIME	04 PEN. REM. EVAP. TIME	05 DEV. TIME	06 EXAMINATION COMPONENT I.D. NO.	07 MAT'L	08 SURF. PREP. *	RELEVANT INDICATION 09 YES	RELEVANT INDICATION 10 NO	ACCEPTABLE 11 YES	ACCEPTABLE 12 NO	13 RELEVANT INDICATION LOCATION/SIZE OR COMMENTS
1	4-28	5'	10	5'	15'	IRH-1008-23	CS	2		X	X		
2	4-28	5'	10	5'	15'	IRH-1023-4A	CS	2		X	X		INSPECT 5" EACH SIDE TOC - REPAIR AREA
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													

NOTE: FOR EACH EXAM COMPONENT ID NO., PLACE THE APPLICABLE NUMBER(s) (1,2,3 etc) IN ITS APPROPRIATE COLUMN.

REVIEWED BY: NCE SUPERVISOR J.D. Connelly DATE 4/29/81

QC SUPERVISOR L.D. Wheatley DATE 5/1/81

AUTHORIZED INSPECTOR W.J. Caldwell DATE 5-11-81

GENERAL ELECTRIC
INSTALLATION & SERVICE ENGINEERING DIVISION

LIQUID PENETRANT EXAMINATION DATA SHEET

LASALLE COUNTY NUCLEAR STATION UNIT 1

E.D.S. NO. 92400

A. PROCEDURE NO. PP-S751 REV. 7

B. EXAMINATION PERSONNEL:

NAME J E Cauley LEVEL II

NAME N A LEVEL N A

C. PENETRANT MATERIALS:

a. MANUFACTURER MAGNAFLUX-SPOTCHECK

b. PRE-CLEANING SOLVENT TYPE SKC-S BATCH NO. 79C014

c. PENETRANT TYPE SKL-HF /SKL-S BATCH NO. 79B109

d. PENETRANT REMOVER TYPE SKC-S BATCH NO. 79C014

e. DEVELOPER TYPE SKD-S BATCH NO. 79E033

f. POST EXAMINATION CLEANER TYPE SKC-S BATCH NO. 79C014

D. PRE-EXAMINATION REQUIREMENTS:

a. TEMPERATURE:

1. PENETRANT MATERIALS BETWEEN 60° F & 125° F - YES [X] NO [ ]
2. COMPONENT SURFACE BETWEEN 60° F & 125° F - YES [X] NO [ ]

b. SURFACE PREPARATION:

*1. GRINDING *2. FLAPPERING *3. NONE *4. OTHER

E. DATA: NOTE: All Exam components are ASME Sect. XI Category. C-E-1

00 LINE NO.	01 DATE 1981	02 PRE-CLEAN EVAP. TIME	03 PEN. DWELL TIME	04 PEN. REM. EVAP. TIME	05 DEV. TIME	06 EXAMINATION COMPONENT I.D. NO.	07 MAT'L	08 SURF. PREP. *	RELEVANT INDICATION YES 09	RELEVANT INDICATION NO 10	ACCEPTABLE YES 11	ACCEPTABLE NO 12	RELEVANT INDICATION LOCATION/SIZE OR COMMENTS
1	4-29	5	10	5	15	1R11-1024-5	CS	2		X	X		
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													

NOTE: FOR EACH EXAM COMPONENT ID NO., PLACE THE APPLICABLE NUMBER(s) (1,2,3 etc) IN ITS APPROPRIATE COLUMN.

REVIEWED BY: NDE SUPERVISOR S D Connelly DATE 4/30/81

QC SUPERVISOR L D Wheatley DATE 5/1/81

AUTHORIZED INSPECTOR W J Caldwell DATE 5-11-81

GENERAL ELECTRIC
NUCLEAR ENERGY BUSINESS OPERATION

U.T. CALIBRATION DATA SHEET
LASALLE COUNTY STATION UNIT 1

CDS 92401
LDS 0064

A. Procedure No. MPUP-S751 REV. 6
Examination Personnel: NAME [illegible] LEVEL II NAME ME Williams LEVEL II
Instrument: SERIAL NO. 1348 MAKE/MODEL: – BRANSON/303: ☐ SONIC/MK I: ☒ KK/USL32: ☐ OTHER

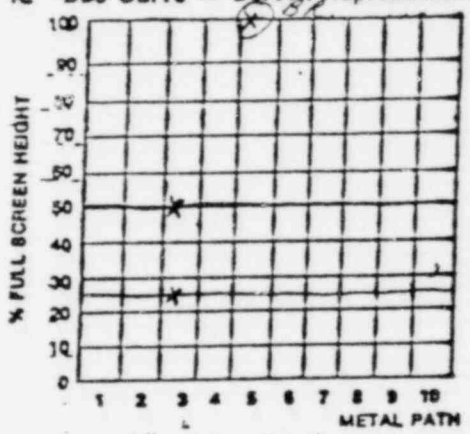
B. Search Unit: BEAM ANGLE/MODE: ☒ STRAIGHT BEAM/LONG WAVE: ☐ 45°/TRANS WAVE: ☐ 60°/TRANS WAVE
TRANSDUCER SIZE/FREQ: ☐ 0.25" DIA/2.25 MHz ☐ 0.5" DIA/2.25 MHz ☐ 1.0" DIA/2.25 MHz
SERIAL NO.: A22010 ☐ 1.0" DIA/2.25 MHz ☒ 0.5"x0.5"/2.25 MHz
TRANSDUCER TYPE: ☐ CERAMIC SINGLE ELEMENT ☒ CERAMIC DUAL ELEMENT ☐ OTHER
WEDGE TYPE: ☒ STANDARD WEDGE ☐ SPECIAL WEDGE/TYPE
CALCULATED BEAM ANGLE IN MATERIAL: θ_2 = 0 °

E. Cable: LENGTH: 6 FT. TYPE: ☐ RG-58 ☐ RG-59 ☐ RG-57 ☒ RG-174 ☐ OTHER
F. Calibration Orientation: CALIBRATION REFERENCE REFLECTOR: ☐ PARALLEL ☒ TRANSVERSE TO PIPE AXIS ... to hole center
FOR DUAL ELEMENT: SPLIT FOR MAXIMUM RESPONSE ☒ PARALLEL ☐ TRANSVERSE
G. Calibration Standards: LSCS CAL. STD. NO. 01-12-01 THICKNESS .42 DIAMETER 12"
MATERIAL: ☒ CARBON ☐ STAINLESS ☐ INCONEL ☐ OTHER
H. Couplant: ☒ GLYCERINE ☐ ULTRAGEL II ☐ OTHER
I. Comments:

J. Dac Curve — Data

REFLECTOR 00	PEAK AMP 01	W1 02	Wm 03	W2 04	MP1 05	MPm 06	MP2 07	HOLE DEPTH 08
¼ T or ¾ Vee								
½ T or ¾ Vee	50%					.23		.23
¾ T or ¾ Vee								
B.R. or ¾ Vee	100% +8					.42		

K. Dac Curve — Screen Representation



1" SCREEN

L. Instrument Settings/Checks

CONTROLS 00	SET 01	CHECK BOXES 02 03 04 05 06 07 08 09
GAIN	36	✓
SCAN GAIN	44	✓
SWEEP	5"/.685	✓
DELAY	7.52	✓
FILTER	AUTO	✓
REP RATE	MED	✓
SQUELCH	OFF	✓
REJECT	OFF	✓
OTHER	NA	✓

M. Calibration Time — Records

DATE 1981	01 ORIG. CAL TIME	02 CAL. CHECK TIME	03 LAST E.D.S. #	04 LAST E.D.S. LINE #	05 VERIFICATION OF 25°F LIMIT (YES/NO)
4-29	0900	NA	NA	NA	YES
4-29	NA	1135	92402	1	YES

N. Reviewed By: NDE SUPERVISOR [signature] DATE 4/30/81
Q.C. SUPERVISOR [signature] DATE 5/1/81
AUTHORIZED INSPECTOR [signature] DATE 5-11-81

GE-0078 (UZ)

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

EDS # 92402

CDS # 92401

EXHIBIT 3

ULTRASONIC EXAMINATION DATA SHEET

LaSALLE COUNTY NUCLEAR STATION UNIT 1

PROCEDURE NO. MPUP-S751 REV. 6

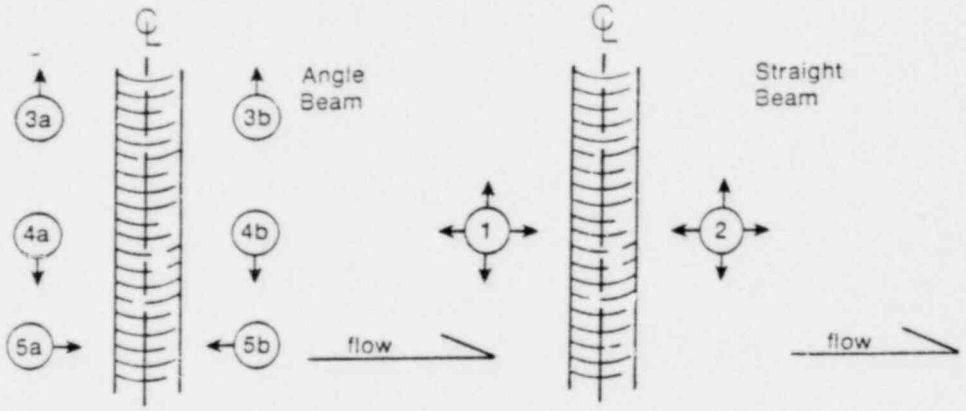
EXAMINATION PERSONNEL:
NAME [illegible] LEVEL II ; NAME M E Williams LEVEL II

SEARCH UNIT BEAM ANGLE: 0°: X 45°: ___ 60°: ___ OTHER ___

COUPLANT: GLYCERINE: X ULTRAGEL II: ___ OTHER ___

SCAN SENSITIVITY: (+) 8 dB

SCAN ORIENTATION



DATE 1981	LINE NO.	EXAM I.D.	COMP FIG.	MAX AMP	L_1/W_1	L_m/W_m	L_2/W_2	MP_1	MP_m	MP_2	SCAN	STAT.	COMMENTS
4-29	1	IRH-1008 23	P-E		P .43	CL .49	E .51					A	

REVIEWED BY:
NDE SUPERVISOR S O Connelly DATE 4/30/81

QC SUPERVISOR L O Whatley DATE 5/1/81

AUTHORIZED INSPECTOR W J Cathcart DATE 5-11-81

GE 112

GENERAL ELECTRIC
NUCLEAR ENERGY BUSINESS OPERATION

U.T. CALIBRATION DATA SHEET
LASALLE COUNTY STATION UNIT 1

CDS 92403
LDS 0065

A. Procedure No. MPUP-5751 REV: 6
Examination Personnel NAME [illegible] LEVEL II NAME ME Williams LEVEL II
Instrument SERIAL NO. 521 MAKE/MODEL: – BRANSON/303: ☐ SONIC/MK I; ☒ KK/USL32: ☐ OTHER

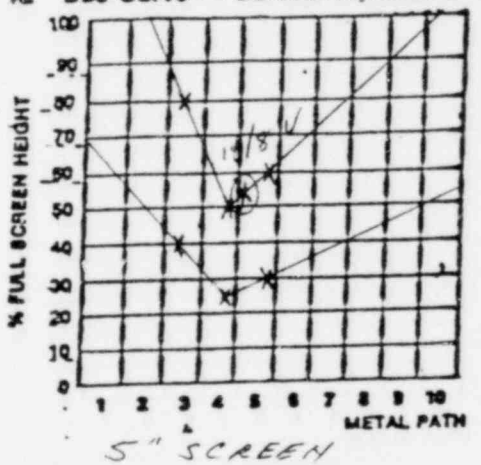
D. Search Unit BEAM ANGLE/MODE: ☐ STRAIGHT BEAM/LONG WAVE: ☒ 45°/TRANS WAVE: ☐ 60°/TRANS WAVE
TRANSDUCER SIZE/FREQ: ☐ 0.25" DIA/2.25 MHz ☒ 0.5" DIA/2.25 MHz ☐ 1.0" DIA/2.25 MHz
SERIAL NO.: L07944 ☐ 1.0" DIA/2.25 MHz ☒ 0.5"x0.5"/2.25 MHz
TRANSDUCER TYPE: ☒ CERAMIC SINGLE ELEMENT ☐ CERAMIC DUAL ELEMENT ☐ OTHER
WEDGE TYPE: ☒ STANDARD WEDGE ☐ SPECIAL WEDGE/TYPE
CALCULATED BEAM ANGLE IN MATERIAL: θ_2 = 44.7°

E. Cable: LENGTH: 6 FT. TYPE: ☐ RG-58 ☐ RG-59 ☐ RG-57 ☒ RG-174 ☐ OTHER
F. Calibration Orientation: CALIBRATION REFERENCE REFLECTOR: ☐ PARALLEL ☒ TRANSVERSE TO PIPE AXIS to hole center
FOR DUAL ELEMENT: SPLIT FOR MAXIMUM RESPONSE ☐ PARALLEL ☐ TRANSVERSE
G. Calibration Standards: LSCS CAL. STD. NO. 01-12-01 THICKNESS .42" DIAMETER 12"
MATERIAL: ☒ CARBON ☐ STAINLESS ☐ INCONEL ☐ OTHER
H. Couplant: ☒ GLYCERINE ☐ ULTRAGEL II ☐ OTHER
I. Comments: +6dB = 1 4/8 V TO 100% DAC

J. Dac Curve — Data

REFLECTOR 00	PEAK AMP 01	W1 02	Wm 03	W2 04	MP1 05	MPm 06	MP2 07	HOLE DEPTH 08
¼ T or 5/8 Vee	80%		.83			1.2		
½ T or 1 2/8 Vee	50%		1.34			1.85		
¾ T or 1 6/8 Vee	60%		1.77			2.4		
S.R. or 1 4/8 Vee	100% T6		1.51			2.05		.21

K. Dac Curve — Screen Representation



5" SCREEN

L. Instrument Settings/Checks

CONTROLS 00	SET 01	CHECK BOXES 02 03 04 05 06 07 08 09
GAIN	50	✓
SCAN GAIN	58	✓
SWEEP	1.5"/8.33	✓
DELAY	7.54	✓
FILTER	AUTO	✓
REP RATE	MED	✓
PENING	OFF	✓
REJECT	OFF	✓
OTHER	NA	✓

M. Calibration Time — Records

1981 DATE 00	ORIG. CAL TIME 01	CAL CHECK TIME 02	LAST E.D.S. # 03	LAST E.D.S. LINE # 04	VERIFICATION OF 25°F LIMIT (YES/NO) 05
4-29	0920	NA	NA	NA	YES
4-29	NA	1135	92404	7	YES

N. Reviewed By: NDE SUPERVISOR [signature] DATE 4/30/81
Q.C. SUPERVISOR [signature] DATE 5/1/81
AUTHORIZED INSPECTOR [signature] DATE 5-11-81

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

EDS # 92404

CDS # 92403

EXHIBIT 3

ULTRASONIC EXAMINATION DATA SHEET

LaSALLE COUNTY NUCLEAR STATION UNIT 1

PROCEDURE NO. NPUP-S75-1 REV. 6

EXAMINATION PERSONNEL:
NAME JE Cady LEVEL II ; NAME ME Williams LEVEL IT

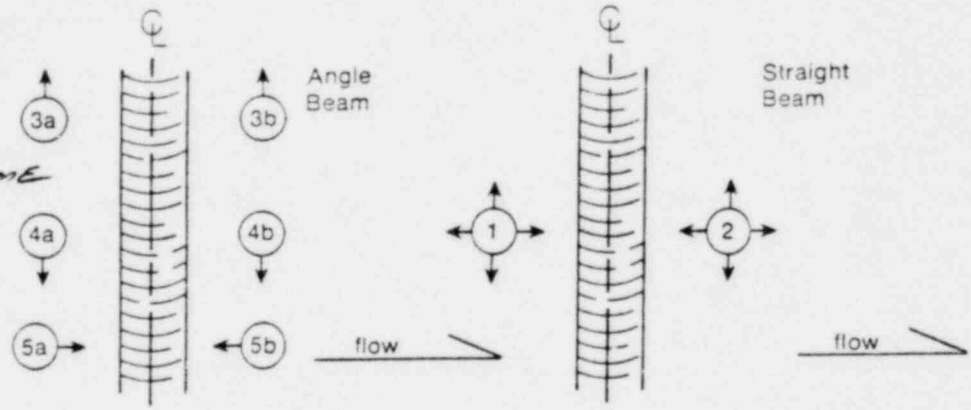
SEARCH UNIT BEAM ANGLE: 0°: ____ 45°: X 60°: ____ OTHER ____

COUPLANT: GLYCERINE: X ULTRAGEL II: ____ OTHER ____

SCAN SENSITIVITY: (+) 8 dB

SCAN ORIENTATION

* - APPEAR ON CRT AT SAME TIME



1981 DATE	LINE NO.	EXAM I.D.	COMP FIG.	MAX AMP	L 1/ W 1	L m/ W m	L 2/ W 2	MP 1	MP m	MP 2	SCAN	STAT.	COMMENTS
4-29	1	IRH-1008 23	P-E	100%	360 INT	1.4			2.5		5A	A	FDFT
4-29	2	23	P-E	50%	360 INT	.85			1.85		5A	E	FDFS
4-29	3	23	P-E	60%	360 INT	1.5			1.75		5B	E	FDNS *
4-29	4	23	P-E	80%	360 INT	1.5			2.0		5B	E	FDNS *
4-29	5	23	P-E	100%	360 INT	1.5			2.1		5B	E	FDNS *
4-29	6	23	P-E	60%	360 INT	1.4			1.25		5B	A	FDNT
4-29	7	23	P-E	75%	360 INT	1.7			2.75		5B	E	FDFT

REVIEWED BY:
NDE SUPERVISOR AP Connelly DATE 4/30/81

QC SUPERVISOR LD Wheatley DATE 5/1/81

AUTHORIZED INSPECTOR WJ Cathcart DATE 5-11-81

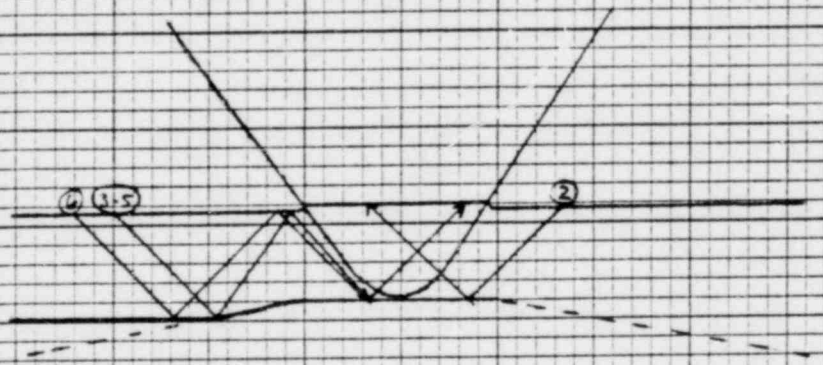
GE-U3

LASALLE UNIT 1 T_p = .42

WELD 1RH-1008-23 T_w = .49

EDS 92404 T_E = .51

GENERAL ELECTRIC



LINE	EVALUATION
2,6	OD geometry from weld cap
3-5	ID geometry & subsequent mode conversion from weld root

EVALUATED BY L D Heatley Level III DATE 5/1/81

REVIEWED BY W J Caldwell ANII DATE 5-11-81

GENERAL ELECTRIC
INSTALLATION & SERVICE ENGINEERING DIVISION

LIQUID PENETRANT EXAMINATION DATA SHEET

LASALLE COUNTY NUCLEAR STATION UNIT 1

E.D.S. NO. 92409

A. PROCEDURE NO. PP-S751 REV. 7

B. EXAMINATION PERSONNEL:

NAME J E Clark LEVEL II

NAME N/A LEVEL N/A

C. PENETRANT MATERIALS:

a. MANUFACTURER MAGNAFLUX-SPOTCHECK

b. PRE-CLEANING SOLVENT TYPE SKC-S BATCH NO. 79C014

c. PENETRANT TYPE SKL-HF /SKL-S BATCH NO. 79B109

d. PENETRANT REMOVER TYPE SKC-S BATCH NO. 79C014

e. DEVELOPER TYPE SKD-S BATCH NO. 79E033

f. POST EXAMINATION CLEANER TYPE SKC-S BATCH NO. 79C014

D. PRE-EXAMINATION REQUIREMENTS:

a. TEMPERATURE:

1. PENETRANT MATERIALS BETWEEN 60° F & 125° F - YES ☐ NO ☒
2. COMPONENT SURFACE BETWEEN 60° F & 125° F - YES ☐ NO ☒

} 57°F

b. SURFACE PREPARATION:

*1. GRINDING (*2. FLAPPERING) *3. NONE *4. OTHER

E. DATA: NOTE: All Exam components are ASME Sect. XI Category. SEE COMMENTS

00 LINE	01 DATE 1981	02 PRE-CLEAN EVAP. TIME	03 PEN. DWELL TIME	04 PEN. REM. EVAP. TIME	05 DEV. TIME	EXAMINATION COMPONENT I.D. NO.	07 MAT'L	08 SURF. PREP. *	RELEVANT INDICATION YES 09	RELEVANT INDICATION NO 10	ACCEPTABLE YES 11	ACCEPTABLE NO 12	13 RELEVANT INDICATION LOCATION/SIZE OR COMMENTS
1	5-11	5'	20	5	15	1R1-1028-1	S/S	2		X	X		ASME CATEGORY C-F
2	5-11	5'	20	5	15	1R1-1028-1A	S/S	2		X	X		ASME CATEGORY C-F
3	5-11	5'	20	5	15	1R1-1028-2	S/S	2		X	X		ASME CATEGORY C-E-1
4	5-11	5	20	5	15	1R1-1027-1	S/S	2		X	X		ASME CATEGORY C-F
5	5-11	5	20	5	15	1R1-1026-10	S/S	2		X	X		ASME CATEGORY C-E-1
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													

NOTE: FOR EACH EXAM COMPONENT ID NO., PLACE THE APPLICABLE NUMBER(s) (1,2,3 etc) IN ITS APPROPRIATE COLUMN.

REVIEWED BY: NDE SUPERVISOR A J Connelly DATE 5/14/81

QC SUPERVISOR L D Lentz DATE 5/15/81

AUTHORIZED INSPECTOR W J Caldwell DATE 5-19-81

GENERAL ELECTRIC

INSTALLATION & SERVICE ENGINEERING DIVISION

EDS #: 94030

CDS #: 94029

ULTRASONIC EXAMINATION DATA SHEET
LASALLE COUNTY STATION UNIT 1

A. Procedure No. MPUP-S751 REV. 4

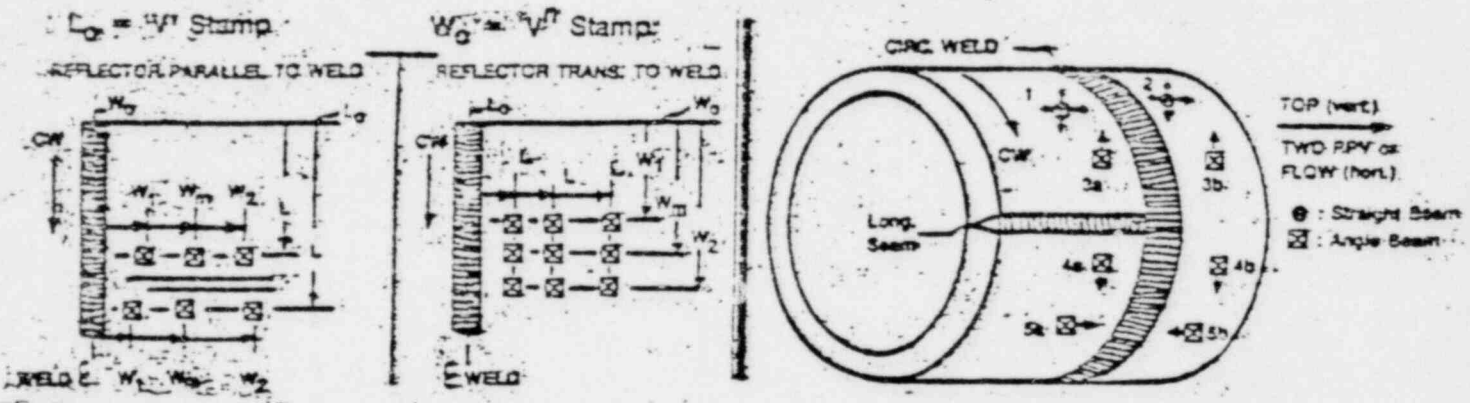
B. Examination Personnel:
NAME [illegible] LEVEL II NAME Larry Frederick LEVEL I

C. Search Unit Beam Angle (± 2°): ☒ 0° ☐ 45° ☐ 60° ☐ Other

D. Couplant: ☒ Glycerine ☐ Ultragel II ☐ Other

E. Scan Sensitivity: (+) 8 dB

F. Reference System: G. Scan Orientation:



H. Data: Data on line 9 void per NCCO MRD 540 7056 RWW 6/30/81

00 DATE	01 LINE NO.	02 EXAM/ COMP. I.D. NO.	03 COMP FIG.	04 REC. IND. YES/NO	06 MAX% DAC @ W_m	06 L_o / W_o	07 L	08 W_1	09 W_m	10 W_2	11 SRP$_T$ or MP$_1$	12 SRP$_m$ or MP$_m$	13 SRP$_2$ or MP$_2$	14 SCAN	15 Comments (Thickness Meas.) OUTSIDE	INSIDE
5-4-79	1	IRH 1006 29	Elbow to Pipe	NO										1 & 2	Elbow .480 weld .460 Pipe .400	.490
5-4-79	2	IRH 1006 31	Pipe to Elbow	NO										1 & 2	Elbow .480 weld .420 Pipe .390	.520
5-4-79	3	IRH 1005 27	Pipe to Elbow	NO										1 & 2	Elbow .460 weld .420 Pipe .390	.500
5-4-79	4	IRH 1006 25	Elbow to Pipe	NO										1 & 2	Elbow .440 weld .400 Pipe .390	.560
5-4-79	5	IRH 1006 24	Pipe to Elbow	NO										1 & 2	Elbow .480 weld .480 Pipe .400	.500
5-4-79	6	IRH 1006 21	Reducer to Pipe	NO			NO SCAN REQUIRED							2	Pipe .400 weld .420	
5-4-79	7	IRH 1008 14	Pipe to Elbow	NO										1 & 2	Elbow .440 weld .500 Pipe .400	.500
5-4-79	8	IRH 1008 15	Elbow to Pipe	NO										1 & 2	Elbow .410 weld .400 Pipe .390	.500
5-4-79	9	IRH 1008 23	Pipe to Elbow	NO			VOID							1 & 2	Elbow .540 weld .400 Pipe .400	.500

L. Reviewed By:

NDE SUPERVISOR S D Connelly DATE 5/6/79

QC SUPERVISOR: L W Wheatley DATE 5/10/79

AUTHORIZED INSPECTOR W J Caldwell DATE 7-31-79

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