

GENERAL ELECTRIC COMPANY
 INSTALLATION AND SERVICE ENGINEERING DIVISION
 CENTRAL SERVICE DEPARTMENT
 INSERVICE INSPECTION
 QUALITY ASSURANCE MANUAL SECTIONS AUDIT

DATE 7-8-83

PROJECT:

PROJECT: CECO-LASALLE PRESERVICE INSPECTION

SITE LOCATION LA SALLE NUCLEAR PWR PLANT

LOCATION OF AUDIT: OFFICE (FIELD)

AUDITING PERSONNEL:

T. N. CZAPLICKI TITLE LEAD AUDITOR

TITLE _____

Q.A. MANUALS:

MANUAL NO.	TABLE OF CONTENTS REV	CUSTODIAN
52	3(8-5-81)	M.E. WILLIAMS

Individual sections (as designated) of the ISI Quality Assurance Manual, are the base for auditing implementation of the Quality Assurance Program. The auditor is permitted to utilize his discretion on the depth of audit applicable to sections noted on page 2.

SECTIONS FOR AUDIT WILL BE DESIGNATED BY CHECK MARK IN THE LAST COLUMN

<u>SECTIONS</u>		<u>REVISION</u>	<u>DATE</u>	
1	ORGANIZATION	3	8/5/81	<u>X</u>
2	QUALITY ASSURANCE PROGRAM	2	8/5/81	<u>X</u>
3	DESIGN CONTROL	0	11/29/76	<u>N/A</u>
4	PROCUREMENT DOCUMENT CONTROL	3	8/5/81	<u>X</u>
5	DOCUMENTS	1	8/5/81	<u>X</u>
6	DOCUMENT CONTROL	3	8/5/81	<u>X</u>
7	CONTROL OF PURCHASED MATERIAL	2	8/5/81	<u>X</u>
8	IDENTIFICATION AND CONTROL OF MATERIALS	0	11/29/76	<u>X</u>
9	CONTROL OF SPECIAL PROCESSES NONDESTRUCTIVE EXAMINATION	3	8/5/81	<u>X</u>
10	INSPECTION	3	8/5/81	<u>X</u>
11	TEST CONTROL	0	11/29/76	<u>X</u>
12	CONTROL OF MEASURING AND TEST EQUIPMENT	3	8/5/81	<u>X</u>
13	HANDLING, STORAGE AND SHIPPING	1	8/20/79	<u>X</u>
14	INSPECTION, TEST AND OPERATING STATUS	1	1/8/79	<u>X</u>
15	REPORTABLE INDICATIONS AND NONCONFORMITIES	3	8/5/81	<u>X</u>
16	CORRECTIVE ACTION	0	11/29/76	<u>X</u>
17	QUALITY ASSURANCE RECORDS	2	8/5/81	<u>X</u>
18	AUDITS	3	8/5/81	<u>X</u>
19	APPENDIX I (EXHIBITS)	2	8/5/81	<u>N/A</u>
20	APPENDIX II (GLOSSARY)	1	8/20/79	<u>N/A</u>

THE DEPTH OF EACH SECTION AUDIT IS DEPENDENT ON THE RANDOM SELECTED OBJECTIVE EVIDENCE. NEGATIVE RESPONSES MUST BE QUALIFIED AND ANSWERED TO THE AUDITORS' SATISFACTION.

DOMESTIC APPARATUS AND ENGINEERING SERVICES OPERATIONS

LASALLE ISI
AUDIT (7/8/83)

1.0 Organization

Reviewed project organization chart, latest chart available on site, 6/21/83.

Issued by D. L. Butcher, Service Mgr. (6/15/83)

Approved by D. J. Hess, QA Site Mgr. (6/21/83)

No Comments

2.0 Quality Assurance Program

Reviewed personnel records of Salahuddin Razi/Mark C. Sodeman/
Murray E. Williams

Salahuddin Razi

<u>Discipline Level</u>		<u>Certification Expiration</u>
PT	III	5/7/85
MT	III	5/7/85
UT	III	5/7/85
RT	III	5/7/85

Eye Examination: J-1/Color Acceptable

Experience/Training: Acceptable

Mark C. Sodeman

<u>Discipline Level</u>		<u>Certification Expiration</u>
UT	II	3/23/86
MT	II	3/23/86
PT	II	3/23/86
VT1	II	3/23/86
VT2	II	9/23/84
VT3	II	9/11/84
VT4	II	9/11/84

Eye Examination: J-1/Color Acceptable

Experience/Training: Acceptable

Murray E. Williams

<u>Discipline Level</u>		<u>Certification Expiration</u>
VT1	II	7/8/83

Eye Examination: J-1/Color Acceptable

Experience/Training: Acceptable

DOMESTIC APPARATUS AND ENGINEERING SERVICES OPERATIONS

2.0 Quality Assurance Program (cont'd)

Reviewed the ISI QAM in possession of M. E. Williams.
M. E. Williams has, in his possession, Manual #52, Rev. 3
(8/5/81), No comments.

Reviewed Signature Log - (4/6/83) Last Signature
Mark C. Sodemann - No Comments

3.0 Design Control

Is not applicable to this project.

4.0 Procurement Document Control

There has been limited procurement activity by General
Electric personnel. No procurement activity since the last
audit (2/23/82). No Comments.

5.0 Documents

Reviewed the following procedures:

"Liquid Penetrant Examination of Nuclear Power Plant Components" (PP-S751, Rev. 1)

Prepared By:	L. W. Wheatley	5/27/80
NSO Approval:	S. D. Connelly	5/28/80
QA Approval:	L. W. Wheatley	5/28/80

"Manual UT Examination of Full Penetration Piping Welds" (MPUP-S751, Rev. 6)

Prepared By:	L. W. Wheatley	2/19/80
NSO Approval:	S. D. Connelly	2/26/80
QA Approval:	L. W. Wheatley	2/26/80

6.0 Document Control

Reviewed Document Index No. D-074, Rev. 41 (5/5/83)

The following documents were reviewed on #D-074 (5/5/83):

"Approved Personnel List", (Rev. 27) had no signature
of approval.

"Instrument Calibration Log", (Rev. 56) had no signature
of approval.

"Approved Transducer List", (Rev. 13) had no signature
of approval.

"Inspection Checklist Procedure Correlation", (Rev. 8)
had no signature of approval.

"Approved Calibration Standards", (Rev. 11) had no signature
of approval.

DOMESTIC APPARATUS AND ENGINEERING SERVICES OPERATIONS

7.0 Control of Purchase Material

The last Receiving Inspection Report was RIR-008 (6/13/80) for penetrant material, (Batch #79V109), no comments.

8.0 Identification & Control of Materials

Also refer to Section 14.0, "Inspection, Test & Operating Status comments.

Following Calibration Standards located in the NDE Supervisor's office were reviewed at random:

<u>CECO ID</u>	<u>MATERIAL</u>	<u>SCHEDULE</u>	<u>NOMINAL THICKNESS</u>	<u>HEAT</u>
01-24-05	SA-155	140	2.062	67293
01-16-02	SA-106	100	1.031	N13433
01-12-03	SA-333	120	1.00	45067
01-12-09	SA-182	NA	1.00	78158
01-08-01	SA-106	160	.906	PQC-355
(PQC-355 is improperly noted, should be PQC#N355)				
01-62-01	SA-540 Gr B-24 CL1	NA	6.00" Diameter	15352
01-91-03	SA-533	NA	7" Nom.	PQC-448
(PQC-448 is improperly noted, should be PQC#J448)				
01-92-02	SA-508/SA-541	NA	12.75 Actual	
(01-92-02 should be noted as PQC#C867)				
01-92-03	SA-533	NA	7.45	PQC-867
(PQC-867 is improperly noted, should be PQC#C867)				
01-70-02	SA-105 G.2/ SB-166	NA	1.316 1.316	AGE RF
(01-70-02 has no Certs)				

9.0 Control of Special Processes - Nondestructive Examination

Reviewed Personnel Certification Procedures; NDE PQ8000, Rev. 5 (I&SE), PQ8002, Rev. 2 (I&SE), NDT-1101, Rev. 2 (ASBD), and QC-2-380, Rev. 2 (Southern).

No Comment.

10.0 Inspection

Reviewed, "Inspection Checklist"
TC No. ILP-2001, Rev. 1, Page 1. Reviewed and Approved
by QC Supervisor L. W. Wheatley, Date 4/1/81.

DOMESTIC APPARATUS AND ENGINEERING SERVICES OPERATIONS

10.0 Inspection (cont'd)

Reviewed: 12" ILP-2001-10

Size	12"		
Exam Comp ID No.	ILP-2001-10		
Dwg. Rev. No.	0		
ASME Cat.	B-J		
Comp. Fig.	P-E		
Procedure No.	2	1	1
Rev. No.	5	4	4
Exam Type	PT	UT-0°	UT-45°
EDS No.	1240	1245	1248
CDS No.		1244	1247
LSCS Cal. Std. No.		01-12-02	01-12-02
LDS No.		8002	8002
QC Review Signature-	L. W. Wheatley		
date	4/1/81		
AI Init/date	W. J. C. 4/1/81		

No Comments

11.0 Test Control

Refer to Section 10.0 inspection

12.0 Control of Measuring and Test Equipment

Reviewed "Instrument Calibration Log", Rev. 56 (5/5/83),
No UT Instrument on site at this time.
Surface Thermometers. T-11 Cal. due (7/24/83); T-47 Cal.
due (7/24/83); T-48 Cal. due (7/24/83).

Also refer to Section 8.0 "Identification and Control of
Materials".

Reviewed Certification of the following approved transducers:

Serial No.	Mfg.	Size	Frequency (MHZ)	Inspection Date
D04879	Aerotech	.5	2.25	8/24/78
D05854	Aerotech	.5	2.25	8/24/78
H25831	Aerotech	.5 x .5	2.25	8/24/78
A22016	Aerotech	.5 x .5	2.25	1/23/80
A22018	Aerotech	.5 x .50	2.25	1/23/80

13.0 Handling Storage & Shipping

Reviewed storage of ISI Calibration Standards in the NDE
Supervisor Site office for adequate control, no comments.

Reviewed storage of transducer, there was no physical
segregation between approved and nonapproved transducers.

DOMESTIC APPARATUS AND ENGINEERING SERVICES OPERATIONS

14.0 Inspection, Test and Operating Status

Physical survey Penetrant Cleaner, Batch #79C014 for identification and tagging. Tagged "Release for Production" (1/19/81), L. W. W. Material certs. available and acceptable.

Physical survey Penetrant, Batch #79B109 for identification and tapping. Tagged "Release for Production" (7/22/80). L. W. Wheatley, Material certs available and acceptable.

Physical survey Developer, Batch #79033 for identification and tagging. Tagged "Release for Production" (5/5/83), T. Dykes, Material certs available and acceptable.

15.0 Reportable Indications and Nonconformities

Reviewed the following NCR's

12/23/81

INCR-108, Rev. 0

Dwg. No. IMS-1046 Rev. C
UT Calibration Date Sheet

CDS #89440
EDS #89441
CDS #89442
EDS #89443
CDS #89444
EDS #89445
EDS #89446

Signature acceptable
No comment

INCR-109, Rev. 0

3/29/82

Dwg. No. IMS-1046, Rev. C
UT Calibration Form
Examination Data Form
NCR for Construction & Test
S & L Letter (4/13/82) R. H. Pollock
Signature acceptable
No comment

Form #89454
Form #89455
#596 Rev. 6

DOMESTIC APPARATUS AND ENGINEERING SERVICES OPERATIONS

15.0 Reportable Indications and Nonconformities (cont'd)

INCR - 110, Rev. 0
Dwg. No. IRI-1002 Rev. 1
UT Calibration Data Sheet

3/17/83

CDS #89426
EDS #89427
CDS #89433
EDS #89434

Signature acceptable
No Comment

2 NCR-11

3/21/80

Open
Pipe Replaced
Reexamination needed

2 NCR-25
Dwg. No. 1MS-2002
L. W. Wheatley Letter (12/17/80)
UT Calibration Data Sheet

12/17/80

Number Incorrect

CDS #100 (No signature)
EDS #101 (No signature)
CDS #1002 (No signature)
EDS #103 (No signature)
CDS #8006
EDS #8007
CDS #8008
EDS #8009

16.0 Corrective Action

Refer to Section 15.0 Reportable Indications and Nonconformities.

17.0 Quality Assurance Records

Reviewed, DCL (10/29/79) W. Kozik, no comments.

Inspected document, storage facilities, (Molser-safes),
rating 350 350° F/2 hrs, S/N 26509-23 and S/N 26423-13; and
file cabinet, rating 350 350°/1 hr, S/N 07-001498-78291-01.
This equipment is acceptable, no comments.

18.0 Audits

Random review of audits and surveillance reports.

No comments.

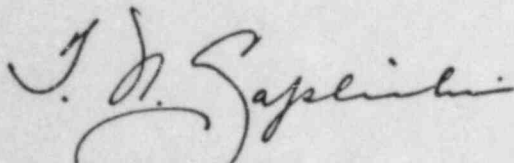
DOMESTIC APPARATUS AND ENGINEERING SERVICES OPERATIONS

19.0 Appendix (Exhibits) - Not Applicable

20.0 Appendix (Exhibits) - Not Applicable

CONCLUSIONS:

1. Numerous documents do not have an acceptable format; who prepared it, who reviewed it, who approved it, no signature and/or dates.
2. Many of the "PQC" numbers are improperly noted.
3. There should be segregation between approved and nonapproved transducers.


T. N. Czaplicki
Lead Auditor

TNC/pa

GENERAL ELECTRICDIAL COMM
8*383-5930MAIL ADDRESS & DATE
8157 S. Cass Ave.
Darien, IL 60559

February 24, 1982

SUBJECT CECO-LA SALLE ISI BASELINE PROJECT INTERNAL AUDITINSTALLATION & SERVICE
ENGINEERING BUSINESS
DIVISION

COPIES

Wm. Kozik
Manager Quality Assurance Programs
Central Service Department GE/I&SE
Darien, IL 60559

An Internal Audit was performed on CECO-LaSALLE ISI Baseline Project. ((2/23/82))
The following personnel were in attendance:

Pre-Audit Meeting:M. E. Williams - Project QC Supervisor
T.N. Czaplicki - Lead AuditorExit Meeting:M. E. Williams - Project QC Supervisor
T.N. Czaplicki - Lead AuditorOBJECTIVE:

Verify implementation following ISI Quality Assurance Manual Sections:

- 1.0 Organization
- 2.0 Quality Assurance Program
- 4.0 Procurement Document Control
- 5.0 Documents
- 6.0 Document Control
- 7.0 Control Purchased Material
- 8.0 Identification & Control of Materials
- 9.0 Control of Special Processes - Nondestructive Examination
- 10.0 Inspection
- 11.0 Test Control

- 12.0 Control of Measuring & Test Equipment
- 13.0 Handling, Storage and Shipping
- 14.0 Inspection, Test and Operating Status
- 15.0 Reportable Indications & Nonconformities
- 16.0 Corrective Action
- 17.0 Quality Assurance Records
- 18.0 Audits

BASE:

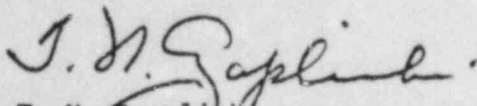
Central Region ISI Quality Assurance Manual, Rev. 3 (8/05/81)

PLAN:

Perform audit by reviewing randomly selected documents, applicable to the respective sections.

Documentary evidence presented may be applicable to more than one section.

Documentary evidence applicable for each section is reviewed and applicable comments are noted immediately following the documentation in question.


T. N. Czaplicki
Lead Auditor

Attachments: ISI Check List
Audit
L. W. Wheatley (Personnel Record)
S. Razi (Personnel Record)

TNC/bm

GENERAL ELECTRIC COMPANY
INSTALLATION AND SERVICE ENGINEERING DIVISION

CENTRAL SERVICE DEPARTMENT
INSERVICE INSPECTION
QUALITY ASSURANCE MANUAL SECTIONS AUDIT

DATE 2-23-82

PROJECT:

PROJECT: CECO-LA SALLE ISI BASELINE

SITE LOCATION LA SALLE NUCLEAR PWR PLT

LOCATION OF AUDIT:

OFFICE

FIELD

AUDITING PERSONNEL:

T.N. CZADLICKI

TITLE LEAD AUDITOR

TITLE _____

Q.A. MANUALS:

MANUAL NO.

TABLE OF CONTENTS REV

CUSTODIAN

52

3

M.E. WILLIAMS

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2	QUALITY ASSURANCE PROGRAM	2	8/5/81	<u>X</u>
3	DESIGN CONTROL	0	11/29/76	<u>N/A</u>
4	PROCUREMENT DOCUMENT CONTROL	3	8/5/81	<u>X</u>
5	DOCUMENTS	1	8/5/81	<u>X</u>
6	DOCUMENT CONTROL	3	8/5/81	<u>X</u>
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INSTALLATION & SERVICE ENGINEERING DIVISION

LA SALLE ISI
AUDIT (2/23/82)

1.0 Organization

Reviewed project organization chart, latest chart available on site, 1/04/82. ISI QAM, paragraph 1.8.12 (e) Notes as one of the responsibilities of the Service Manager, the aforesaid chart. Chart reviewed does not specify who prepared it.

Chart personnel are not current, and should be updated. The position of Manager Quality Assurance is occupied by T. Mikulski (R.A. Pearson, letter 2/08/82).

2.0 Quality Assurance Program

Reviewed personnel records of Sal Razi and L. W. Wheatley (attached).

Reviewed the ISI QAM in possession of M. E. Williams. M. E. Williams has, in his possession, Manual #52, Rev. 3 (8/05/81), no comments.

Reviewed Signature Log - No comments.

3.0 Design Control

Is not applicable to this project.

4.0 Procurement Document Control

There has been limited procurement activity by General Electric personnel. The last site P.O. was on (5/24/79). No Comments

5.0 Documents

Refer to Section 6 comments.

6.0 Document Control

Reviewed L. W. Wheatley letter (5/27/79) to Wm. Kozik; Document Distribution List for LaSalle, no comments.

The following documents were reviewed on #IRH-2001, Rev. 3 (10/14/81):

IC NO IRH-2001 Page 1 (4.1) Rev. 1

IC NO IRH-2001 Page 4 (4.1) Rev. 0

IC NO IRH-2001B Page 1 (4.1) Rev. 0

No QC Signature - No AI Signature on IC NO IRH-2001B Page 1 (4.1) Rev. 0.

The following documents were reviewed on #ILP-1003, Rev. 6 (5/11/81)

IC NO ILP-1003 Page 1 (4.1) Rev. 4

IC NO ILP-1003 Page 3 (4.1) Rev. 3

IC NO ILP-1003 Page 4 (4.1) Rev. 4

IC NO ILP-1003V Page (4.1) Rev. 0

The Inspection Checklist # ILP-1003B, Page 1, Rev. 0 is improperly noted on Document Index No. ILP-1003 Rev. 6 (5/11/81) as IC NO ILP-1003V, Page 1 Rev. 0

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Reviewed Document Index No. D-074, Rev. 38 (1/18/82) No. IHPLP, Rev. 0 (10/14/81) and No IRH-2031, Rev. 5 (10/14/81), no comments.

The following documents were reviewed on #D-074 (6/08/81):

Approved Personnel List; Doct. No 8.1.4, Rev. 27
Instrument Calibration Log; Doct. No 8.1.2, Rev. 53
Approved Transducer List; Doct. No 8.1.3, Rev. 13
Inspection Checklist Correlation; Doct. No 8.1.1, Rev. 8

The following documents were reviewed on #IHPLP; Rev. 0 (10/14/81):

Drawing No. IHP-1002 Rev. 0
Drawing No. IHP-1004 Rev. 1
Drawing No. IHP-1005 Rev. 0
Drawing No. IHP-1007 Rev. 1
Drawing No. IHP-1010 Rev. 1
Drawing No. IHP-1012 Rev. 0
Drawing No. ILP-1002 Rev. 0
Drawing No. ILP-1003 Rev. 2
Drawing No. ILP-1011 Rev. 0
Drawing No. ILP-1014 Rev. 0

No comments.

The following documents were reviewed on # IRH-2031, Rev. 5 (10/14/81)

IC#IRH-2031 Page 1 (4.1) Rev. 1
IC#IRH-2031 Page 3 (4.1) Rev. 1
IC#IRH-2031 Page 4 (4.1) Rev. 2
IC#IRH-2031B Page 1 (4.1) Rev. 0
IC#IRH-2031I Page 1 (4.1) Rev. 0
IC#IRH-2031B Page 1 Rev. 0

No QC sign off, no AI sign off on IC #IRH-2031B Page 1, Rev. 0. No examination performed due to Customer request. To be performed at a later date.

7.0 Control of Purchase Material

The last Receiving Inspection Report for General Electric purchase (Glycerine) was RIR-007 (4/10/80), no comments.

The last Receiving Inspection Report for an Owner purchase was RIR-008 (6/13/80) for penetrant material, (Batch #79V109), no comments.

8.0 Identification & Control of Materials

Calibration Standards located in the NDE Supervisor's office were reviewed at random, no comments.

INSTALLATION & SERVICE ENGINEERING DIVISION

LaSalle ISI Audit
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9.0 Control of Special Processes - Nondestructive Examination

Reviewed Personnel Certification Procedures; PQ8000, Rev. 5 (I&SE), PQ8002, Rev. 2 (I&SE), and NDJ-1101, Rev. 2 (ASBD), no comments.

Reviewed Sal Razi, Level III Personnel Certification, attached.

Reviewed M. E. Williams, Certification of Visual Examination Personnel, Level II (7/08/81)

The Level III Examiner is R. C. Stevens, certified (12/04/81). Certification of R. C. Stevens is per Visual Examination Personnel Qualification and Certification Program PQ-8002, Rev. 2 (6/26/80). PQ-8002, Rev. 2 states Manager Quality Assurance is responsible for appointment of a Level III Visual Examiner; whereas, ISI QAM (8/05/81) Paragraph 9.3 states the Department Manager shall appoint Level III Examiner for each type of NDE.

Reviewed personnel certification qualifications and training of NDE Service Subcontractor, Level III, Sal Razi.

10.0 Inspection

ISIQAM (8/05/81) paragraph 10.9 states Examination Data Sheets and Calibration Sheets shall be cross referenced to each other.

Calibration Data Sheet No. 1011 notes only Examination Data Sheet No. 1012, does not note Examination Data Sheets 1013 or 1014.

Calibration Data Sheet No. 1015 notes only Examination Data Sheet No. 1016, does not note Examination Data Sheet 1017 or 1018

11.0 Test Control

Reviewed MPUD-S751, Rev. 3/PP-S751, Rev. 7 and MPUV-S751, Rev. 2, no comments.

12.0 Control of Measuring and Test Equipment

Reviewed "Instrument Calibration Log", Rev. 53 (1/18/82), reviewed this documentation for (Krautkramer) CL-202 S/N 801203 and (Krautkramer) USL-32 S/N 26680-522. Instrument S/N 26680-522 documentation had corrections on the serial number; however, the individual who made the corrections did not initial them (Berg Engineering). Surface Thermometers T-11/T-47/T-48 were calibrated based on a secondary instrument, Pyro Digital Pyrometer, Model 500; S/N 1640 Calibrated 9/03/81, Gage Lab. R-D1123 NBS183242 (10/31/80), no comments.

13.0 Handling Storage & Shipping

Reviewed the storage of ISI Calibration Standards in the NDE Supervisor Site office and the glycerine storage for adequate control, no comments.

14.0 Inspection, Test and Operating Status

Survey the penetrant cleaner #79C014 for proper identification and tagging two boxes tagged "Release for Production" (1/19/81), no comments.

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LaSalle ISI Audit
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15.0 Reportable Indications and Nonconformities

Reviewed, "Nonconformity Reports", NCR-22 (Circular Indications) resolution and signoff acceptable, no comments. INCR-99 (Minimum Wall Violation) resolution and signoff acceptable, no comments.

16.0 Corrective Action

Reviewed INCR-22 resolution, comments and signoff acceptable.

Reviewed INCR-99 resolution, comments and signoff acceptable.

17.0 Quality Assurance Records

Reviewed, DCL Letter (10/26/79) S.D. Connelly and DCL (10/29/79) W. Kozik, no comments.

Inspected the document; storage facilities, (Molser) Rating 350°F/2hrs, S/N 26509-23 and S/N 26423-13, the file cabinet, Class 350 350°/1hr, S/N 07-001498-78291-01. This equipment is acceptable, no comments.

18.0 Audits

Reviewed the following Audits:

#1-81-6

1-81-40

1-80-59

Surveillance Reports:

81-831

81-830

81-650

81-500

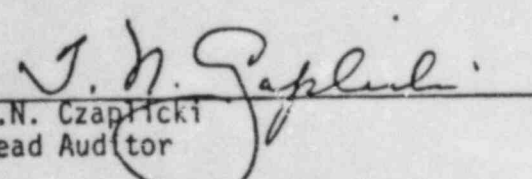
81-541

81-354

No comments.

19.0 Appendix (Exhibits) - Not Applicable

20.0 Appendix (Glossary) - Not Applicable


T.N. Czaplicki
Lead Auditor

PERSONNEL SUPPLEMENT:

NAME SALAHUDDIN RAZI

DISCIPLINE

DATE OF CERTIFICATION

LEVEL

PT X

5-1-79

III

MT

RT

UT X

5-1-79

III

ET

VT

LT

CERTIFICATION TESTS:

PT

MT

RT

UT

ET

VT

LT

General

96.2

92

Specific

100

90

Partial

96

97

Are tests available in personnel records?

EDUCATION: UNIVERSITY COLLEGE OF SCIENCE O.U. (HYDERABAD, INDIA) 66/69 B.

OSMANA UNIVERSITY (HYDERABAD INDIA) 70/70 M.S.

UNIVERSITY OF OREGON 73/74

TRAINING:

PITTSBURGH TESTING LAB 75/76 RT(56HRS) MT(25HRS) UT(41HRS)
PT(40HRS) UNIVERSITY OF OREGON RT(80HRS) '74

RESUME:

2/73 - 5/78 (PITTSBURGH TESTING LAB. - SEATTLE, WA)
5/78 - 1/82 (GENERAL ELECTRIC, CHICAGO, IL)

EYE EXAMINATION RESULTS:

11-2-81

JAEGER

COLOR

ALLEN E. BAKER R.N., CECO

J-1

ISHIHARA

PERSONNEL SUPPLEMENT:

NAME LAWRENCE W. WHEATLY

DISCIPLINE		DATE OF CERTIFICATION	LEVEL
PT	X	5-8-81	III
MT	X	5-8-81	III
RT	X	5-8-81	II
UT	X	10-23-79	III
ET			
VT			
LT			

CERTIFICATION TESTS:	PT	MT	RT	UT	ET	VT	LT
General	94.2	92.6	91.7	93.2			
Specific	96.3	94.7	94.7	100			
Practical	100	100	90	90			
Composite	96.2	92.6	92.6	95.2			
Are tests available in personnel records? <u>YES (CENTRAL SERVICE DEPT.)</u> <u>DARIEN, IL.</u>							

EDUCATION: BROOKFIELD '66
UNIVERSITY OF FLORIDA '76 BS (NUCLEAR ENGINEERING)

TRAINING: NDT (U.S. AIR FORCE) 360 HRS '69
UT (MAGNAFLUX, LEVEL I / LEVEL I) 80 HRS '77
RT (MAGNAFLUX, LEVEL I) 40 HRS '78

RESUME: NDT (U.S. AIR FORCE) '68-'72 LEVEL I 1YR 68/69
LEVEL II 69-72 PT/MT/RT/UT/ET OCONEE NUCLEAR STATION '76-77
ISI ENGINEER

EYE EXAMINATION RESULTS: 3-20-81 JAEGER COLOR
ALLEN E. BAKER R.N. CECO J-1 X

GENERAL  ELECTRIC

DIAL COMM

8*383-3340

MAIL ADDRESS & DATE

814 Commerce Drive #305

Oak Brook, IL 60521

August 10, 1981

SUBJECT

CECO-LASALLE ISI BASELINE PROJECT INTERNAL AUDIT

TO:

Wm. Kozik
Manager Quality Assurance
Central Service Department GE/I&SE
Oak Brook, IL 60521

An Internal Audit was performed on CECO-LA SALLE ISI Baseline Project. The following personnel were in attendance:

Pre-Audit Meeting:

L. W. Wheatley - Project QC Supervisor
M. E. Murray - Engineering Assistant

Exit Meeting:

L. W. Wheatley - Project QC Supervisor
M. E. Murray - Engineering Assistant

OBJECTIVE:

Verify implementation following ISI Quality Assurance Manual Sections:

- 5.0 Documents
- 6.0 Document Control
- 7.0 Control Purchased Material
- 8.0 Identification & Control of Materials
- 9.0 Control of Special Processes - Nondestructive Examination
- 10.0 Inspection
- 11.0 Test Control
- 12.0 Control of Measuring & Test Equipment
- 15.0 Reportable Indications & Nonconformities

L. W. Wheatley

INSTALLATION & SERVICE
ENGINEERING BUSINESS
DIVISION

COPIES

L.W. Wheatley

Page 2
Wm. Kozik
August 10, 1981

BASE:

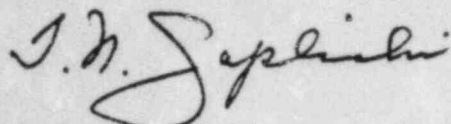
Central Region ISI Quality Assurance Manual

PLAN:

Perform audit, reviewing at random, documentation applicable to the respective sections.

Documentary evidence noted may be applicable, and therefore presented under more than one section.

Documentary evidence applicable under each section is reviewed with comments noted immediately following the documentation in question.



T. N. Czaplicki
Lead Auditor

Attachments

TNC:hc

AUDIT: (7/29/81)

5.0 Documents

Reviewed the following procedures:

"Manual UT Examination of Full Penetration Piping Welds"

No. MPUP-S751 Rev. 6

Prepared By: L. W. Wheatley 2-19-80

NSO Approval: S. D. Connelly 2-26-80

QA Approval: L. W. Wheatley 2-26-80

"Liquid Penetrant Examination of Nuclear Power Plant Components"

No. PP-S751 Rev. 7

Prepared By: L. W. Wheatley 5-27-80

NSO Approval: S. D. Connelly 5-28-80

QA Approval: L. W. Wheatley 5-28-80

No comments/observations/findings.

Reviewed the following drawings:

"In-service Inspection Feed Water"

Dwg. No. 1FW-2001 Rev. 2
1FW-2002 Rev. 2
1FW-2004 Rev. 1
1FW-2005 Rev. 1

Reviewed the following "ISI Checklists":

IC No. 1FW-2001 Page 1 Rev. 1
IC No. 1FW-2001 Page 2 Rev. 0
IC No. 1FW-2001 Page 3 Rev. 3
IC No. 1FW-2001 Page 4 Rev. 3
IC No. 1FW-2001 Page 5 Rev. 5

Auditor evaluation - no comments/observation/findings.

5.0 Document Control

Reviewed the following procedures:

"Manual UT Examination of Full Penetration Piping Weld"

No. MPUP-S751 Rev. 6

Prepared By: L. W. Wheatley 2-19-80

NSO Approval: S. D. Connelly 2-26-80

QA Approval: L. W. Wheatley 2-26-80

"Liquid Penetration Examination of Nuclear Power Plant Components"

No. PP-S751 Rev. 7

Prepared By: L. W. Wheatley 5-27-80

NSO Approval: S. D. Connelly 5-28-80

QA Approval: L. W. Wheatley 5-28-80

No comments/observations/findings.

7.0 Control Purchased Material

No comments/observations/findings.

8.0 Identification & Control of Materials

No comments/observations/findings.

9.0 Control of Special Processes - Nondestructive Examination

Reviewed the personnel record of: L. W. Wheatley (Level III)

Reviewed the procedures as noted under Section 5.0 Documents.

Reviewed the following NDE examination records in depth:

Document Index FW-1 Rev. 5 11-7-80

Dwgs. No. 1FW-2001 Rev. 2

1FW-2002 Rev. 2

1FW-2004 Rev. 1

1FW-2005 Rev. 1

9.0 Control of Special Processes - Nondestructive Examination (Continued)

Document Index 1FW-2001 Rev. 4 4-15-81

Inspection Checklists IC No. 1FW-2001 Page 1 Rev. 1
IC No. 1FW-2001 Page 2 Rev. 0
IC No. 1FW-2001 Page 3 Rev. 3
IC No. 1FW-2001 Page 4 Rev. 3
IC No. 1FW-2001 Page 5 Rev. 3

No comments/observations/findings.

10.0 Inspection

Reviewed the following "Inspection Checklists":

IC No. 1FW-2001 Rev. 1 Page 1
IC No. 1FW-2001 Rev. 0 Page 2
IC No. 1FW-2001 Rev. 3 Page 3
IC No. 1FW-2001 Rev. 3 Page 4
IC No. 1FW-2001 Rev. 3 Page 5

Reviewed at random on "Inspection Checklist" IC No. 1FW-2001 Rev. 1 Page 1
the following, "Examination Data Sheets":

EDS #20346
EDS #20378
EDS #4546
EDS #20341
EDS #20342
EDS #4539

Reviewed at random on "Inspection Checklist" IC No. 1FW-2001 Rev. 1 Page 1
the following, "Calibration Sheets":

CDS #20345
CDS #20377
CDS #20340

Reviewed the following, "Linearity Date Sheets":

LDS #0052 (CDS #20345)
LDS #0055 (CDS #20377)
LDS #0057 (CDS #20340)

No comments/observations/findings.

11.0 Test Control

Reviewed procedures noted under Section 5.0 Documents.

No comments/observations/findings.

12.0 Control of Measuring & Test Equipment

Reviewed the following instrument "USL-31" S/N 26623-736 documentation:

Calibration Certification
Calibration Data

Reviewed the following instrument "USL-32" S/N 26623-36:

Calibration Certification
Calibration Data

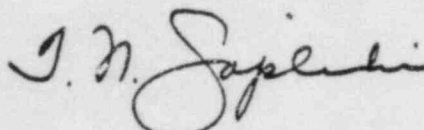
No comments/observations/findings.

15.0 Reportable Indications & Nonconformities

Reviewed the following NCR's:

Report No. 2NCR-6
Report No. 2NCR-9

No comments/observations/findings.



T. N. Czaplicki
Lead Auditor

GENERAL ELECTRIC



DIAL COMM

8*383-3342

MAIL ADDRESS & DATE

814 Commerce Drive
Oak Brook, IL 60521

COPIES

May 30, 1980

SUBJECT

CECO LaSalle ISI Baseline ProjectInternal Audit

TO:

Mr. William Kozik
Manager Quality Assurance
Central Region; GE/I&SE
Oak Brook, Illinois

SUBJECT: Internal Audit (21/22 May 1980)

On 21/22 May 1980, an Internal Audit was performed on CECO-LaSalle ISI Baseline project. The following personnel were in attendance;

Pre-Audit Meeting:

L. W. Wheatley - Project QC Supervisor
S. D. Connelly - NDE Supervisor
T. N. Czaplicki - Lead Auditor

Exit Meeting:

L. W. Wheatley - Project QC Supervisor
Dan Skoza - CECO Auditor
T. N. Czaplicki - Lead Auditor

Objective:Verify Implementation of Section 10.0 "Inspection".Base:

Central Region ISI Quality Assurance Manual.

Plan:Audit Section 10.0 Inspection; Central Region ISI Quality Assurance Manual

- (A) Perform audit, reviewing at random, line segments of the "Inspection Checklists" utilizing enclosed Inspection Checklist Audit Work Sheets.
- (B) Audit one Inspection Checklist in depth including the supporting documents, all procedures, Examination Data Sheets, Calibration Data Sheets & Linearity Data Sheet.

- (C) Previous audit observations (1-7-80), reviewed for corrective action. The enclosed documentation is the supporting objective evidence for this audit.

Documentary Evidence:

(A) Inspection Checklist Audit Work Sheets

<u>Inspection Checklist #</u>	<u>Rev.</u>	<u>Page #</u>	<u>IC Line</u>	<u>Exam. Comp. ID #</u>
IMS-1040	5	1	1	IMS-1040-1
IMS-1055	2	1	2	IMS-1055-6
LCS-1-N4	0	1	1	I-N4-A
LCS-1-N4	0	1	7	I-N4-F
LCS-1-BM	0	1	2	I-BM-2
LCS-1-BD	0	1	1	I-BD-1
LCS-1-BD	0	1	4	I-BD-4
ILP-1010	1	1	3	ILP-1010-3
ILP-1010	1	1	8	ILP-1010-11
ILP-1010	1	2	2	ILP-1010-13
IRD 0022-2	2	1	1	IRD 0022-2-1
IRD 0022-2	2	1	6	IRD 0022-2-S
IRD 0022-2	2	2	4	IRD 0022-2-12
IRD 0022-2	2	3	6	IRD 0022-2-21
IRD 0022-2	2	5	7	IRD 0022-2-35
IRH-1009	1	1	2	IRH-1009-2
IRH-1017	1	1	3	IRH-1017-3
IRH-1014	1	2	4	IRH-1014-28
IRH-1017	1	2	3	IRH-1017-14
IRH-1036	2	1	4	IRH-1036-10

Inspection Checklist No. IMS-1040, Rev. 5, IC Page 1, Exam. Comp ID No. IMS-1040-1 was not signed off by QC or ANI.

L. W. Wheatley, Project QC Supervisor informed this auditor that a PT indication had not been resolved. There were no comments on all of the other Inspection Checklist/Line segments.

- (B) Inspection Checklist No. IMS-0025A, Rev. 0 was reviewed in depth including the following related documents;

Procedures:

No. PP-S751 Rev. 5

No. MPUP-S751 Rev. 4

Examination Data Sheets:

No. 96009 - No. 91127 - No. 91131

Calibration Data Sheets:

No. 91126 - No. 91128

Linearity Data Sheet:

No. 0009

There were no comments/findings/observations.

(C) Previous Audit Observations:

An internal audit was performed 1/7/80 by this auditor. The following observations were noted, and were resolved on dates specified below:

UT Calibration Data Sheets

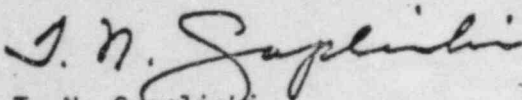
1034 missing ANI signature rectified 8/7/79 - W.J. Caldwell

UT Examination Data Sheets

1107 missing ANI signature rectified 8/16/79 - W.J. Caldwell

1026 missing QC Supervisor signature rectified 5/21/80 -
L. W. Wheatley

No additional comments.



T. N. Czaplicki
Lead Auditor

Attachments:

- 20 Inspection Checklist Audit Worksheets
- 1 Inspection Checklist No. IMS-1040 Rev. 5

TNC:hc

INSPECTION CHECKLIST AUDIT WORKSHEET

NOTES

TOP LINE: IC LINE (DOC'T LOCATION) 1 AUDIT DATE 5-22-8
DESIGNATED - 1

IC No. IMS-1040 REV 5 IC PAGE 1

QC SUPERVISOR SIGNATURE L.W. WHEATLEY DATE 1-28-8

PHYSICAL LOCATION) SIZE 26" EXAM. COMP ID No IMS-1040-1 DWG. REV No 1

ASME CAT C-F COMP FIG V-P

PROCEDURE No 1 REV. No 2
1 2
2 3

EXAM TYPE UT-0° EDS No 80085
UT-45° 60055
PT (40071)

CDS No 80081 LSQS CAL STD 01-26-02
60056 01-26-02

LDS No 60055
70165

★ QC REVIEW SIGNATURE/DATE NONE AVAILABLE

★ AI INITIALS/DATE NONE AVAILABLE

REMARKS/COMMENTS:

PT INDICATION HAS NOT BE RESOLVED AS OF
THIS DATE

T.N. CZAPLICKI 5-22-8

AUDITOR/DATE

INSPECTION CHECKLIST AUDIT WORKSHEET

NOTES

TOP LINE - 1 IC LINE (DOCT LOCATION) 2 AUDIT DATE 5-22-8
DESIGNATED - 1

IC No. IMS-1055 REV 2 IC PAGE 1

QC SUPERVISOR SIGNATURE L.W. WHEATLEY DATE 2-4-8

PHYSICAL LOCATION) SIZE 10" EXAM. COMP ID No IMS-1055-6 DWG Rev No 0

ASME CAT B-J COMP FIG P-E

PROCEDURE No 1 REV. No 2

1

2

2

3

EXAM TYPE UT-0° EDS No 70156
UT-45° 70158
PT 40066

CDS No 70155 LSCS CAL STD 01-10-01
70157 01-10-01

LDS No 10035
10035

QC REVIEW SIGNATURE/DATE L.W. WHEATLEY 5-9-79

AI INITIALS/DATE W.J.C. 3-24-80

REMARKS/COMMENTS:

T.N. CZAPLICKI 5-22-
AUDITOR/DATE

INSPECTION CHECKLIST AUDIT WORKSHEET

NOTES

TOP LINE = 1. IC LINE (DOC'T LOCATION) 1 AUDIT DATE 5-21-8

DESIGNATED - 1

IC No LCS-1-N4

REV 0

IC PAGE 1

QC SUPERVISOR SIGNATURE R.S. BATHER

DATE 1-8-8

PHYSICAL LOCATION SIZE 14" EXAM COMP ID No 1-N4-A DWG REV No 0

ASME CAT

B-D

COMP FIG

N-SHR4

PROCEDURE No

7

REV. No

2

EXAM TYPE

UT-60°

ENS No

93028

CDS No

93026

LSCS CAL STD

01-91-03

LDS No

93027

QC REVIEW SIGNATURE/DATE

L.W. WHEATLEY

2-1-80

AI INITIALS/DATE

W.J.C

2-15-80

REMARKS/COMMENTS:

T.W. CZAPLICKI

5-21-80

AUDITOR/DATE

INSPECTION CHECKLIST AUDIT WORKSHEET

NOTES

OP LINE: 1 IC LINE (DOC + LOCATION) 7 AUDIT DATE 5-22-80

DESIGNATED - 1

IC No. LCS-I-N4

REV 0

IC PAGE 1

QC SUPERVISOR SIGNATURE L.W. WHEATLEY

DATE 2-1-80

PHYSICAL LOCATION

SIZE 14"

EXAM. COMP ID No I-N4-F

DWG REV No 0

ASME CAT

B-D

COMP FIG

N-SHR4

PROCEDURE No

7

REV. No

2

EXAM TYPE

UT-60°

ENS No

93028

CDS No

93026

LSCS CAL STD

01-91-03

LDS No

93027

QC REVIEW SIGNATURE/DATE

L.W. WHEATLEY

2-1-80

AI INITIALS/DATE

W.J.C.

2-15-80

REMARKS/COMMENTS:

T.N. CZAPLICKI

5-22-80

AUDITOR/DATE

INSPECTION CHECKLIST AUDIT WORKSHEET

NOTES

TOP LINE-1 IC LINE (DOCT LOCATION) 2 AUDIT DATE 5-22-80
DESIGNATED -1

IC No. LCS-1-BM REV 0 IC PAGE 1

QC SUPERVISOR SIGNATURE R.S. RATHER DATE 1-3-80

PHYSICAL LOCATION) SIZE 25 1" EXAM. COMP ID No 1-BM-2 DWG REV No 0

ASME CAT B-C COMP FIG LS

PROCEDURE No 7 REV. No 2

7

2

7

2

EXAM TYPE UT-0° EDS No 94258

UT-45°

94264

UT-60°

94270

CDS No 94256 LSCS CAL STD 01-91-03

94262

01-91-03

94268

01-91-03

LDS No 94255

94261

94267

QC REVIEW SIGNATURE/DATE L.W. WHEATLEY 1-31-80

AI INITIALS/DATE W.J.C. 2-1-80

REMARKS/COMMENTS:

T.W. CZAPLICKI 5-22-80

AUDITOR/DATE

INSPECTION CHECKLIST AUDIT WORKSHEET

NOTES

TOP LINE-1 IC LINE (DOC'T LOCATION) 1 AUDIT DATE 5-22-80

DESIGNATED -1

IC No. LCS-1-BD

REV 0

IC PAGE 1

QC SUPERVISOR SIGNATURE R.S. RATHER

DATE 1-3-80

PHYSICAL LOCATION SIZE 251" EXAM. COMP ID No 1-BD-1 Dwg Rev No 0

ASME CAT

B-A

COMP FIG

LS

PROCEDURE No

7

REV. No

2

7

2

7

2

EXAM TYPE

UT-0°

EDS No

94248

UT-45°

94251

UT-60°

94254

CDS No

94247

LSCS CAL STD

01-91-03

94250

01-91-03

94253

01-91-03

LDS No

94246

94249

94252

QC REVIEW SIGNATURE/DATE L.W. WHEATLEY 1-28-80

AI INITIALS/DATE

W.J.C. 2-1-80

REMARKS/COMMENTS:

T.N. CZAPLICKI 5-22-80

AUDITOR/DATE

INSPECTION CHECKLIST AUDIT WORKSHEET

NOTES

TOP LINE-1 IC LINE (DOCT LOCATION) 4 AUDIT DATE 5-22-91

DESIGNATED-1 IC No LCS-1-BD REV 0 IC PAGE 1

QC SUPERVISOR SIGNATURE R.S. PATHER DATE 1-3-80

PHYSICAL LOCATION SIZE 251" EXAM. COMP ID No 1-BD-4 DWG Rev No 0

ASME CAT B-A COMP FIG LS

PROCEDURE No 7 REV. No 2
7 2
7 2

EXAM TYPE UT-0° EDS No 94257
UT-45° 94263
UT-60° 94269

CDS No 94256 LSCS CAL STD 01-91-03
94262 01-91-03
94268 01-91-03

LDS No 94255
94261
9467

QC REVIEW SIGNATURE/DATE L.W. WHEATLEY 1-28-80

AI INITIALS/DATE W.J.C 2-1-80

REMARKS/COMMENTS:

T.N. CZAPLICKI 5.22.91

AUDITOR/DATE

INSPECTION CHECKLIST AUDIT WORKSHEET

NOTES

TOP LINE: IC LINE (DOCT LOCATION) 3 AUDIT DATE 5-22-8
DESIGNATED - 1

IC No. ILP-1010 REV 1 IC PAGE 1

QC SUPERVISOR SIGNATURE L.W. WHEATLEY DATE 3-20-8

PHYSICAL LOCATION SIZE 14" EXAM COMP ID No ILP-1010-3 DWG REV No 0

ASME CAT C-F COMP FIG P-E

PROCEDURE No 2 REV. No 5

1

4

1

5

EXAM TYPE PTI EDS No 97002

UT-010 78092

UT-450 93016

CDS No 78091 LSCS CAL STD 01-14-01

93015 01-14-01

LDS No

0018

0019

QC REVIEW SIGNATURE/DATE L.W. WHEATLEY 3-21-80

AI INITIALS/DATE W.J.C 3-21-80

REMARKS/COMMENTS:

T.N. CZAPLICKI 5-22-80

AUDITOR/DATE

INSPECTION CHECKLIST AUDIT WORKSHEET

NOTES

TOP LINE - 1 IC LINE (DOC'T LOCATION) 8 AUDIT DATE 5-22-8

DESIGNATED - 1

IC No. ILP-1010 REV 1 IC PAGE 1

QC SUPERVISOR SIGNATURE L.W. WHEATLEY DATE 3-21-8

PHYSICAL LOCATION SIZE 14" EXAM. COMP ID No ILP-1010-11 DWG REV No D

ASME CAT C-F COMP FIG E-E

PROCEDURE No	Z	REV. No
	1	4
	1	5

EXAM TYPE	PT	ENDS No
	UT-DP	78094
	UT-45°	93016

CDS No	LSQS CAL STD
78091	01-14-01
93015	01-14-01

LDS No
0018
0019

QC REVIEW SIGNATURE/DATE L.W. WHEATLEY 3-21-80

AI INITIALS/DATE W.J.C. 3-21-80

REMARKS/COMMENTS:

T.V. CZAPLICKI 5-22-8

AUDITOR/DATE

INSPECTION CHECKLIST AUDIT WORKSHEET

NOTES

TOP LINE: IC LINE (DOCT LOCATION) 2 AUDIT DATE 5-22-80
DESIGNATED: 1

IC No. ILP-1010 REV 1 IC PAGE 2

QC SUPERVISOR SIGNATURE L.W. WHEATLEY DATE 3-20-80

PHYSICAL LOCATION SIZE 14" EXAM COMP ID No ILP-1010-13 DWG Rev No 0

ASME CAT C-F COMP FIG P-E

PROCEDURE No 2 REV. No 5

1

5

1

5

EXAM TYPE PT EDS No 94194

UT-OP 78167

UT-45° 78170

CDS No 78165 LSCS CAL STD 01-14-01

78168 01-14-01

LDS No 0017

0024

QC REVIEW SIGNATURE/DATE L.W. WHEATLEY 3-21-80

AI INITIALS/DATE W.J.C 3-21-80

REMARKS/COMMENTS:

T.W. CZAPLICKI 5-22-80

AUDITOR/DATE

INSPECTION CHECKLIST AUDIT WORK SHEET

NOTES

TOP LINE-1 IC LINE (DOCT LOCATION) 1 AUDIT DATE 5-22-80
DESIGNATED-1

IC No. IRD0022-2 REV 2 IC PAGE 1

QC SUPERVISOR SIGNATURE R.S. RATHER DATE 11-27-7

(PHYSICAL LOCATION) SIZE 12" EXAM COMP ID No IRD0022-2-1 DWG REV No 0

ASME CAT C-F COMP FIG P-C

PROCEDURE No 2 REV. No 6

1

4

1

4

EXAM TYPE PT EDS No 97016
UT-0° 94232
UT-45° 94234

CDS No LSCS CAL STD
94231 01-12-04
94233 01-12-04

LDS No
0012
0018

QC REVIEW SIGNATURE/DATE L.W. WHEATLEY 3-21-80

AI INITIALS/DATE W.J. CALDWELL 3-21-80

REMARKS/COMMENTS:

T.N. CZAPLICKI 5-22-80
AUDITOR/DATE

INSPECTION CHECKLIST AUDIT WORKSHEET

NOTES

TOP LINE-1 IC LINE (DOCT LOCATION) 6 AUDIT DATE 5-22-8
DESIGNATED-1

IC No. IRD 0022-2 REV 2 IC PAGE 1

QC SUPERVISOR SIGNATURE R.S. PATHER DATE 11-27-7

(PHYSICAL LOCATION) SIZE 8" EXAM. COMP ID No IRD 0022-2-5 DWG REV No 0

ASME CAT C-F COMP FIG T-P

PROCEDURE No 2 REV. No 6

1

4

1

4

EXAM TYPE PT EDS No 97017

UT-0° 94212

UT-45° 94224

CDS No 94210 LSCS CAL STD 61-08-02

94223 01-08-04

LDS No 0018

0018

0018

QC REVIEW SIGNATURE/DATE L.W. WHEATLEY 3-21-80

AI INITIALS/DATE W.J.C 3-21-80

REMARKS/COMMENTS:

T.N. CZAPLICKI 5-22-8

AUDITOR/DATE

INSPECTION CHECKLIST AUDIT WORKSHEET

NOTES

TOP LINE-1 IC LINE (DOCT LOCATION) 4 AUDIT DATE 5-22-8
DESIGNATED -1

IC No. IRD0022-2 REV. 2 IC PAGE 2

QC SUPERVISOR SIGNATURE R.S. RATHER DATE 11-27-7

PHYSICAL LOCATION SIZE 8" EXAM. COMP ID No IRD0022-2-12 DWG Rev No 0

ASME CAT C-F COMP FIG T-T

PROCEDURE No 2 REV. No 6

1

4

1

4

EXAM TYPE PT EDS No 97017
UT-0° 94213
UT-45° 94228

CDS No LSCS CAL STD
94210 01-09-04
94223 01-08-04

LDS No
0018
0018

QC REVIEW SIGNATURE/DATE L.W. WHEATLEY 3-21-80

AI INITIALS/DATE W.J.C 3-21-80

REMARKS/COMMENTS:

T.N. CZAPLICKI 5-22-8
AUDITOR/DATE

INSPECTION CHECKLIST AUDIT WORKSHEET

NOTES

TOP LINE: IC LINE (DOCT LOCATION) 6 AUDIT DATE 5-22-8
DESIGNATED - I

IC No. IRD0022-2 REV 2 IC PAGE 3

QC SUPERVISOR SIGNATURE R.S RATHER DATE 11-27-78

PHYSICAL LOCATION) SIZE 8" EXAM. COMP ID No IRD0022-2-21 DWG REV No 0

ASME CAT C-F COMP FIG T-P

PROCEDURE No 2 REV. No 6
1 4
1 4

EXAM TYPE PT EDS No 94209
UT-OP 94211
UT-45° 94225

CDS No 94210 LSCS CAL STD 01-08-04
94223 01-08-04

LDS No 0018
0018

QC REVIEW SIGNATURE/DATE L.W. WHEATLEV 3-21-80

AI INITIALS/DATE W.J.C. 3-21-80

REMARKS/COMMENTS:

T.W. CZAPLICKI 5-22-80
AUDITOR/DATE

INSPECTION CHECKLIST AUDIT WORKSHEET

NOTES

TOP LINE: IC LINE (DOC. LOCATION) 7 AUDIT DATE 5-22-81
DESIGNATED - 1

IC No. IRD0022-Z REV 2 IC PAGE 5

QC SUPERVISOR SIGNATURE R.S. RATHER DATE 11-27-71

(PHYSICAL LOCATION) SIZE 8" EXAM. COMP ID No IRD0022-Z-35 DWG. REV No 0

ASME CAT C-F COMP FIG F-P

PROCEDURE No 2 REV. No 6

1

4

1

4

EXAM TYPE PT EDS No 94208
UT-0° 94218
UT-45° 94227

CDS No LSCS CAL STD
94216 01-08-04
94223 01-08-04

LDS No
0018
0018

QC REVIEW SIGNATURE/DATE L.W. WHEATLEY 3-21-80

AI INITIALS/DATE W.J.C 3-21-80

REMARKS/COMMENTS:

T.N. CZAPLICKI 5-22-81

AUDITOR/DATE

INSPECTION CHECKLIST AUDIT WORKSHEET

NOTES

TOP LINE - 1 IC LINE (DOCT LOCATION) 2 AUDIT DATE

DESIGNATED - 1 IC No. IRH-1009 REV 1 IC PAGE 1

QC SUPERVISOR SIGNATURE L.W. WHEATLEY DATE 1-20-8

PHYSICAL LOCATION SIZE 16" EXAM. COMP ID No IRH-1009-Z DWG REV No 0

ASME CAT C-F COMP FIG FLE

PROCEDURE No 1 REV. No 4

1

4

2

5

EXAM TYPE UT-0° EDS No 63091

UT-45

63093

PT

62022

CDS No 63090 LSCS CAL STD 01-16-01

63092

01-16-01

LDS No 63067

63076

QC REVIEW SIGNATURE/DATE L.W. WHEATLEY 6-6-79

AI INITIALS/DATE W.J.C. 1-21-80

REMARKS/COMMENTS:

T.W. CZAPLICKI E.22.

AUDITOR/DATE

INSPECTION CHECKLIST AUDIT WORKSHEET

NOTES

TOP LINE: IC LINE (DOCT LOCATION) 3 AUDIT DATE 5-22-8
DESIGNATED - 1

IC No. IRH-1017 REV 1 IC PAGE 1

QC SUPERVISOR SIGNATURE L.W. WHEATLEY DATE 1-20-8

PHYSICAL LOCATION SIZE 16" EXAM. COMP ID No IRH-1017-3 DWG REV No 0

ASME CAT C-F COMP FIG P-E

PROCEDURE No 1 REV. No 4

1

4

2

3

EXAM TYPE UT-0° ENS No 94005

UT-45° 91010

PT G2001

CDS No 94004 LSCS CAL STD 01-16-01

91009 01-16-01

LDS No 0004

0003

QC REVIEW SIGNATURE/DATE L.W. WHEATLEY 5-11-79

AI INITIALS/DATE W.J.C 1-21-80

REMARKS/COMMENTS:

T.N. CZAPLICKI 5-22-8

AUDITOR/DATE

INSPECTION CHECKLIST AUDIT WORKSHEET

NOTES

TOP LINE-1... IC LINE (DOCT LOCATION) 4 AUDIT DATE 5-22-80
DESIGNATED-1

IC No. IRH-1014 REV 1 IC PAGE 2

QC SUPERVISOR SIGNATURE L.W. WHEATLEY DATE 3-17-80

PHYSICAL LOCATION Size 18" EXAM. COMP ID No 1RH-1014-28 DWG Rev No 1

ASME CAT C-F COMP FIG P-F

PROCEDURE No 1 REV. No 2

1

3

2

3

EXAM TYPE UT-0° EDS No 88004

UT-45° 88007

PT 86000

CDS No 88003 LSCS CAL STD 01-18-01

88008 01-18-01

LDS No 0002

0002

QC REVIEW SIGNATURE/DATE L.W. WHEATLEY 3-25-80

AI INITIALS/DATE W.J.C 3-25-80

REMARKS/COMMENTS:

T.N. CZAPLICKI 5-22-80

AUDITOR/DATE

INSPECTION CHECKLIST AUDIT WORKSHEET

NOTES

TOP LINE - 1... IC LINE (DOCT LOCATION) 3 AUDIT DATE 5-22-80

DESIGNATED - 1

IC No. 1RH-1017

REV 1 IC PAGE 2

QC SUPERVISOR SIGNATURE L.W. WHEATLEY DATE 1-20-80

PHYSICAL LOCATION SIZE 12" EXAM. COMP ID No 1RH-1017-14 Dwg. Rev No 0

ASME CAT

C-F

COMP FIG

P-D

PROCEDURE No

1

REV. No

4

1

4

2

5

EXAM TYPE

UT-0°

ENDS No

86010

UT-45°

88016

PT

62004

CDS No

86009

LSCS CAL STD

01-12-01

88015

01-12-01

LDS No

25103

0002

QC REVIEW SIGNATURE/DATE L.W. WHEATLEY 5-21-79

AI INITIALS/DATE

F.F.R. 1-23-80

REMARKS/COMMENTS:

T.N. CZAPLICKI 5-22-80

AUDITOR/DATE

INSPECTION CHECKLIST AUDIT WORKSHEET

NOTES

TOP LINE: 1 IC LINE (DOCT LOCATION) 4 AUDIT DATE 5-22-80

DESIGNATED - 1

IC No. 1RH-1036

REV 2

IC PAGE 1

QC SUPERVISOR SIGNATURE L.W. WHEATLEY DATE 3-18-80

PHYSICAL LOCATION) SIZE 18" EXAM. COMP ID No 1RH-1036-10 DWG REV No 0

ASME CAT

C-F

COMP FIG

E-E

PROCEDURE No

2

REV. No

5

1

4

1

5

EXAM TYPE

PT

EDS No

77002

UT-0°

77007

UT-45°

77120

CDS No

77005

LSCS CAL STD

01-18-05

77119

01-18-05

LDS No

0015

0020

QC REVIEW SIGNATURE / DATE L.W. WHEATLEY 3-26-80

AI INITIALS / DATE W.J.C. 3-26-80

REMARKS / COMMENTS:

T.W. CZAPLICKI 5-22-80

AUDITOR / DATE

REVIEWED: INSPECTION CHECKLIST No IMS-0025A REV C
PAGE 1 OF 1 12"/IMS-0025A-1

REVIEWED / APPROVED BY QC SUPERVISOR:

L. W. WHEATLEY DATE 8-3-79

REVIEWED: DWG: MSIV DRAIN LINE HEADERS REV 0 (8-3-79)

ASME CAT. C-F COMP FIG P-C

REVIEWED: PROCEDURE No 2 (PP-ST51) REV 5

PREPARED BY L. W. WHEATLEY 4-11-79
NSO APPROVAL S. D. CONNELLY 4-11-79
QA APPROVAL L. W. WHEATLEY 4-11-79

REVIEWED: PROCEDURE No 1 (MPUP-ST51) REV. 4

PREPARED BY L. W. WHEATLEY 3-8-79
NSO APPROVAL R. C. HOOPER 3-9-79
QA APPROVAL L. W. WHEATLEY / M. HART 3-12-79

REVIEWED: EDS No. 96009 (EXAMINATION DATA SHEET)

EXAMINATION PERSONNEL D MECHLENBURG LEVEL 3
PENETRANT MATERIALS MAGNAFLUX-SPOTCHECK
CLEANING SOLVENT SKC-S BATCH NO 79C014
PENETRANT SKL-HF/SKL-S BATCH NO 78E073
DEVELOPER SKD-S BATCH NO 78D05

TEMPERATURE:

PENETRANT MATERIALS 60°F / 125°F Y
COMPONENT SURFACE 60°F / 125°F Y

INSPECTION CHECKLIST No IMS-0025A REV 0
EDS No. 96009 CONT.
DATA: 8-23-79

PRE-CLEAN EVAP TIME 5

PEN. DWELL TIME 10

PEN. REM. EVAP TIME 5

DEL. TIME 15

EXAMINATION COMPONENT ID No IMS 0025A-

MT'L CS SURF PREP. 2

RELEVANT INDICATION NO ACCEPTABLE YES

NDE SUPERVISOR S.D. CONNERY DATE 8-24-

QC SUPERVISOR SALAHUDDIN RAZI DATE 8-29-

AI W.J. CALDWELL DATE 8-29-

REVIEWER: EDS No. 91127

EXAMINATION PERSONNEL: T. TELDER Level II
L. SCHMITZ Level I

SEARCH UNIT BEAM ANGLE 0°
COUPLANT GLYCERINE

SCAN SENSITIVITY (+) 8 db

DATE 8-27-79 LINE No 3

EXAM/COMP ID. No IMS-0025A-1

INSPECTION CHECKLIST No IMS-0025A Rev 0

EDS No. 91127 CONT.

COMP FIG. P-C

REC. IND. No

COMMENTS P(700) W(800) C(800)

NDE SUPERVISOR: SD CONNELLY DATE 8-27-

QC SUPERVISOR: SALAHUDDIN RAZI DATE 8-29-

AI W. J. CALDWELL DATE 8-30-79

REVIEWER: CDS No. 91126

PROCEDURE No MPUP-S751 Rev 4

EXAMINATION PERSONNEL T. TELDER LEVEL II

L. SCHMITZ LEVEL II

INSTRUMENT SERIAL No. 273

NORTEC 131 D

BEAM ANGLE/Mode STRAIGHT BEAM/LONG WA

SERIAL No. C11707 0.5" X 0.5" / 2.25 MHz

TRANSDUCER TYPE CERAMIC DUAL ELEMENT

WEDGE TYPE STANDARD WEDGE

CALCULATED BEAM Δ IN MTL 0°

CABLE LGTH 6' TYPE RG-174

CALIBRATION ORIENTATION:

INSPECTION CHECKLIST No IMS-0025A Rev 0

CALIBRATION ORIENTATION

CALIBRATION REFERENCE REFLECTOR PARALLEL
DUAL ELEMENT PARALLEL

CALIBRATION STANDARDS

LSCS CAL STD No. 01-12-08

THICKNESS .700 DIAMETER 12"

MATERIAL: CARBON

COUPLANT: GLYCERINE

COMMENTS: +10 db for 100%

REFLECTOR: $\frac{1}{2}$ TOR — / 8 VEE

PEAK AMP 50%

HPM .350

HOLE DEPTH .350

B.R OR — 8 VEE

PEAK AMP 100% +10db

HPM .700

HOLE DEPTH .700

INSTRUMENT SETTINGS/CHECKS

CONTROLS: GAIN 68 CAL CHECK ON

SCAN GAIN 76

SWEEP 2.5/9.10

DELAY 1/3.68

FILTER —

REP RATE 1000

DAMPENING OFF

REJECT OFF

OTHER N/A

INSPECTION CHECKLIST No IHS-0025A Rev 0

CALIBRATION TIME:

DATE	<u>8-27-79</u>	<u>8-27-79</u>
ORIG CAL TIME	<u>9:00</u>	<u>N/A</u>
CAL CHECK TIME	<u>N/A</u>	<u>10:00</u>
LAST E.D.S	<u>N/A</u>	<u>9/11/27</u>
LAST E.D.S. LINE	<u>N/A</u>	<u>4</u>

VERIFICATION OF 25°F LIMIT YES YES

NDE SUPERVISOR S. D. CONNELLY DATE 8-27
 QC SUPERVISOR SALAHUDDIN RAZI DATE 8-29
 AI W. J. CALDWELL DATE 8-30-7

REVIEWED: LINEARITY DATA SHEET # 0009 DATE 8-27

EXAMINER: K. CUTRIGHT LEVEL II
L. SCHMITZ LEVEL IT

INSTRUMENT SERIAL No. 273

OTHER NORTON 131D

SEARCH UNIT: 45° (SHEAR WAVE)

TRANSDUCER: 0.5 DIA / 2.25 MHZ

SERIAL No. B12904

SINGLE TRANSDUCER

CABLE TYPE LGTH 6'

INSPECTION CHECKLIST NO. IMS-0025A REV 0

LINEARITY DATA SHEET CONT.

SCREEN HEIGHT LINEARITY CHECK:

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	26
90	45	40	20
80	40	30	15
70	37	20	10
60	30		

THE 2nd REFLECTOR SHALL BE 50% OF THE 1st REFLECTOR \pm 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	80	64 to 96%

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

REVIEWED: EDS No 91131

CDS # 91128

PROCEDURE NO. MPUP-5751 REV. 4

EXAMINATION PERSONNEL T. TELDER LEVEL II

L. SCHMITIGAL LEVEL II

SEARCH UNIT BEAM ANGLE 45°

COUPLANT: GLYCERINE

SCAN SENSITIVITY (+) 8 db

INSPECTION CHECKLIST No. IHS-0025A REV. 0

EDS No. 91131 CONT.

DATA * REFLECTORS APPEAR ON SWEEP AT SAME TIME

DATE	LINE No	EXAM/COMP ID No	COMP FIG	REC/IND YES/NO	MAX% DAC	Lo WM	L	WM	SRP _m OR MPm	SCAN	COMMENTS (THICKNESS MEAS)
8-27-79	1	IHS-0025A	P-C	YES	100% ^V	360	.9	6.6	5A	360 INT	ODFB
8-27-79	2	"	"	"	60%	"	"	3.6	"	360 INT	
8-27-79	3	"	"	"	80%	"	"	.8	6.4	5B	360 INT ODFB

REVIEWED BY NDE SUPERVISOR: S.D. CONNELLY DATE 8-29-79
QC SUPERVISOR: SALAHUBBIN RAZI DATE 8-29-79 AT W.J CALDWELL DATE 8-30-79

REVIEWED: CDS No. 91128 LBS 0009

PROCEDURE No MPUP-ST51 Rev. 4
EXAMINATION PERSONNEL T. TELDER LEVEL II
L. SCHMITZ LEVEL II

INSTRUMENT SERIAL No. 273 NORTEC 131D
SEARCH UNIT 45°/TRANS WAVE 0.5" DIA/2.25 MHz
SERIAL No. DD4879 TRANSDUCER TYPE CERAMIC SINGLE ELEMENT
WEDGE TYPE: STD WEDGE CALCULATED BEAM ANGLE IN MT'L 0-45
CABLE: LGTH 6' TYPE RG-174 CALIBRATION ORIENTATION TRANSVERSE
CALIBRATION STDS LSCS CAL STD No. 01-12-08 THICKNESS 100
DIA. 12" MT'L CARBON COUPLANT GLYCERINE
COMMENTS: +5db FOR 1/2 T HOLE AT 100% DAC

INSPECTION CHECKLIST No. IMS-0025A REV. 0

CDS No. 91128 / LMS 0009 CONT.

DAC CURVE SRP

REFLECTOR	PEAK AMP	WM	SRPorm/MPM	HOLE DEPTH
<u>1/4T OR 4/8VEE</u>	80%	.700	3.0	
<u>1/2T OR 8/8VEE</u>	45%	1.4	6.0	
<u>3/4T OR 12/8VEE</u>	40%	2.1	9.0	
<u>BR OR 6/8VEE</u>	⁺⁵ 100%	1.2	4.4	350

INSTRUMENT SETTINGS / CHECKS

CONTROLS	SET	02
GAIN	<u>65</u>	X
SCAN GAIN	<u>73</u>	X
SWEED	<u>5/834</u>	X
DELAY	<u>1/450</u>	X
FILTER	1	X
REP RATE	1000	X
DAMPENING	OFF	X
REJECT	OFF	X
OTHER	N/A	X

CALIBRATION TIME - RECORDS

DATE	ORG	CAL TIME	CAL CHECK TIME	LAST EDS	LAST EDS LINE	VERIFICATION OF 25°F L
8-27-79	10:00	N/A	91129	4		YES
8-27-79	N/A	N/A	91130	6		YES
8-27-79	N/A	11:30	91131	9		YES

NDE SUPERVISOR S. D. CONNELLY DATE 8-29-79
SALAHUDDIN RAZI DATE 8-29-79
W. J. CALDWELL DATE 8-30-79


GENERAL  ELECTRIC

DIAL COMM

8* 383-3339

MAIL ADDRESS & DATE

814 Commerce Drive
Oak Brook, IL 60521



INSTALLATION & SERVICE
ENGINEERING BUSINESS
DIVISION

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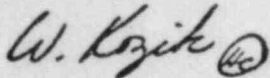
R.W. Will
T.A. Mikulski
L.W. Wheatley
S.D. Connelly

SUBJECT

AUDIT REPORT - ISI PROJECT AT LASALLE

An audit was performed on the ISI Project at LaSalle by T. Czaplicki
on January 7, 1980.

The audit report is attached.



W. Kozik
Manager QA
Region Engineering

WK:hc

GENERAL  ELECTRIC



INSTALLATION & SERVICE
ENGINEERING BUSINESS
DIVISION

DIAL COMM

8*383-3340

MAIL ADDRESS & DATE

814 Commerce Drive, Suite 305
Oak Brook, IL 60521

COPIES

4 February, 1980

SUBJECT

CECO-LA SALLE ISI BASELINE
INTERNAL AUDIT

Mr. William Kozik
Manager Quality Assurance
Central Region; G.E./I&SE
Oak Brook, IL

On 7 January, 1980, an Internal Audit was performed on the project noted above. The following personnel were in attendance (Pre-Audit/Exit Meetings):

L. W. Wheatley - Project Q. C. Supervisor
S. D. Connelly
R. C. Hooper
T. N. Czaplicki - Lead Auditor

The enclosed Check List notes the results of the audit, including the documentary material reviewed. No major findings were noted.

T. N. Czaplicki
Lead Auditor

TNC:pbp
Attachments

SUBJECT: Internal Audit; CECO-LaSalle ISI Baseline

DATE: 7 January, 1980

OBJECTIVE: Verify implementation Central Region ISI Quality Assurance Program.

BASE: Central Region ISI Quality Assurance Manual.
American Society for Nondestructive Testing
SNT-TC-IA (1975)

PLAN: Audit based on the following sections of Central Region Inservice Inspection Quality Assurance Manual:

1. Organization
2. Quality Assurance Program
3. Design Control
4. Procurement Document Control
5. Documents
6. Document Control
7. Control of Purchased Material
8. Identification & Control of Materials
9. Control of Special Processes -
Nondestructive Examination
10. Inspection
11. Test Control
12. Control of Measuring & Test Equipment
13. Handling, Storage & Shipping
14. Inspection, Test & Operating Status
15. Reportable Indications & Nonconformities
16. Corrective Action
17. Quality Assurance Records
18. Audits
- Appendix

The enclosed Audit Checklist was utilized for the aforesaid sections.

The following documentary evidence was reviewed:

- a) CECO Contract Requirements 7-5-77
- b) C.E. (Wm. Kozik) Letter 7-19-79
- c) C.E. (N.R. Casey) Letter 5-26-78
- d) Document Transmittal & Acknowledgement Form
- e) Document Distribution List (G.E. Letter/
L.W. Wheatley/5-26-79)
- f) G.E. (S.D. Connelly) Letter 10-26-79

g) NDE Personnel Records (SNT-TC-IA)

Edward L. Lake Jr.
Lawrence W. Wheatley
D. E. Holthaus
R. C. Hooper
R. W. Austin
Romaine Palmer
Salahuddin Razi

h) NCR's Reviewed:

INCR-50	INCR-51	INCR-52	INCR-53	INCR-54
INCR-56	INCR-57	INCR-58	INCR-59	INCR-60
INCR-70	INCR-71	INCR-72	INCR-73	INCR-74
INCR-75	INCR-76	INCR-77	INCR-78	INCR-79
INCR-80	INCR-89	INCR-90		

i) UT Calibration Data Sheets:

	1006	1120
	1009	1152
	1012	1154
	1015	1157
	1020	1159
(Signature	1024	1161
Missing ANI)-	1034	1163
	1100	1165
	1102	1169
	1104	1171
	1110	1173
	1112	1175
	1114	1177
	1117	1179

j) UT Examination Data Sheets:

(Signature		
Missing ANI)-	1107	1101
	1008	1103
	1010	1105
	1013	1106
	1014	1109
	1015	1111
	1016	1113
	1017	1115
	1021	1116
	1022	1118
	1023	1119
	1025	1121

j) Continued
(Signature Missing
QC Supervisor)-1026

1029	1153
1030	1155
1031	1156
1032	1158
1033	1160
1035	1162
1037	1164
1038	1166
1039	1170
1040	1172
	1174
	1176
	1178
	1180

k) Instrument Calibration Certification/
Linearity Data Sheet

<u>MANUFACTURER</u>	<u>CALIBRATION CERTIFICATION</u>	<u>MODEL</u>	<u>SERIAL NUMBER</u>	<u>LINEARITY DATA SHEET</u>
Krautkramer	X	USL-32	518	X
Krautkramer	X	USL-32	521	X
Krautkramer	X	USL-32	522	X
Krautkramer	X	USL-32	503	X
Krautkramer	X	USL-31	736	X
Krautkramer	X	USL-32	1348	X
Krautkramer	X	USM-2	704008	X
Nortec	X	NDT-131D	287	X
Nortec	X	NDT-131D	273	X
Sonic	X	S-303	810055	X
Sonic	X	MK-1	732203	X
Krautkramer	X	CL-202	801203	X

PERSONNEL: S. D. Connelly
L. W. Wheatley
R. C. Hooper
T. N. Czaplicki - Auditor

Comments: No additional statements.

GENERAL ELECTRIC COMPANY
INSTALLATION AND SERVICE ENGINEERING DIVISION
CENTRAL REGION
INSERVICE INSPECTION
QUALITY ASSURANCE MANUAL AUDIT CHECKLIST

DATE 1-7-80PROJECT:

PROJECT: LA SALLE ISI BASELINE PROJECT NO. LCS-PO-173-1
DISTRICT: CENTRAL NSO DISTRICT MGR. T.A. MIKULSKI
SITE LOCATION: LA SALLE NUCLEAR PWR. STATION
LOCATION OF AUDIT: OFFICE FIELD

PROJECT PERSONNEL:

PROJECT SERVICE MGR. N. CASEY
PROJECT SITE MGR. (SITE) R.C. HOOPER
PROJECT QC SUPERVISOR (SITE) L.W. WHEATLEY

FORWARD

Is the Proprietary Information Notice Preface within the Manual?
 Is the proper revision of the Table of Contents in the Manual?
 Is the Statement of Authority and Policy in the Manual?

YES | NO

X
X
X

AUDITING PERSONNEL:

T. N. CZAPLICKI TITLE Q.A. SPECIALIST
 _____ TITLE _____
 _____ TITLE _____

Q.A. MANUALS:

MANUAL NO.	TABLE OF CONTENTS REV	CUSTODIAN
<u>5</u>	<u>2</u>	<u>L.W. WHEATLEY</u>
_____	_____	_____
_____	_____	_____

A NEGATIVE ANSWER MUST BE QUALIFIED THROUGHOUT THE AUDIT CHECKLIST

1.0 ORGANIZATION

Is the organizational structure, functional responsibilities, levels of authority, and lines of communication shown by an organization chart?

YES | NO

X

Are the applicable contract requirements available at the site?

X

Is the authority and responsibility of persons performing activities affecting quality clearly established?

X

Have Managers or Supervisors delegated the performing of any of their duties to those who report directly to them and are they qualified to perform such duties?

X

Has the Service Manager prepared a project organization chart?

X

Has the Region Manager reviewed and formally accepted the Owner's contracts?

X

Is the Region Manager periodically reviewing the status and effectiveness of the QA program?

X

Is the Manager Engineering periodically reviewing results of audits and Nonconforming Reports?

X

Is the Manager Quality Assurance reviewing results of audits and scheduling follow-up action?

X

~~Is the Manager Quality Assurance reviewing results of audits and scheduling follow-up action?~~

Is the ~~Manager Quality Assurance~~ SITE QC SUPERVISOR approving procedures, product specifications and instructions and releasing these to the QA Specialist for distribution?

X

~~Is the Manager Quality Assurance reviewing results of audits and scheduling follow-up action?~~

Is the ~~Manager Quality Assurance~~ SITE QC SUPERVISOR reviewing and approving sub-contractors, NDE, destructive testing, and calibration subcontracts?

X

Is the Manager Quality Assurance directing the QC training program?

X

Is the Quality Assurance Specialist controlling the distribution of the Manual and revision thereto?

X

Is the Quality Assurance Specialist preparing Audit and Survey Check Lists?

X

Is the Quality Assurance Specialist maintaining and distributing "Approved Vendor List"?

X

Is the Quality Assurance Specialist reviewing and approving office generated purchase orders?

X

Q.C. SUPERVISOR SITE GENERATED P.O.'s

X

ACTING (WM. KOZIK)

Does the NDE Specialist (Level III Examiner) report to the Manager QA?

YES NO

X

ACTING (WM. KOZIK)

Does the NDE Specialist provide technical direction in NDE to the Districts, Job Sites Manager Quality Assurance and Region Engineering?

X

QC SUPERVISOR (LEVEL III)

Does the ~~NDE Specialist~~ review and approve nondestructive examination, procedures and procedure qualification?

X

QC SUPERVISOR (LEVEL III)

Is the ~~NDE Specialist~~ approving qualifications of personnel performing nondestructive examinations?

X

Are Engineering Assistants properly trained for the functions they are performing?

X

Was the Project QC Supervisor assigned by the Manager QA?

X

Is the Project QC Supervisor reviewing and approving IC?

X

NPROCESS Is the Project QC Supervisor auditing and filing completed IC?

X

Are the required NDE personnel records at the job site and NDE procedures qualified?

X

WM. KOZIK
TIER 7-19-79 Is the Project QC Supervisor administering the Calibration Program?

X

Is the Project QC Supervisor controlling nonconformities at the job site, initiating Nonconformity Reports and approving resolutions? (CUSTOMER RESPONSIBILITY)

X

Is the Project QC Supervisor presenting reports of all nonconformities and their resolutions to the ANI?

X

YES NO

Is the Project QC Supervisor assuring that ANI witnesses final NDE acceptance examinations, when required?

X

Is the Project QC Supervisor conducting the quality assurance review, of owner purchased material? (PT)

X

Is the QC Inspector visually receiving inspection of material?

X

Has the ~~QC Inspector~~ ^{SHOP} attached the Calibration Tag?

X

~~C SUPERVISOR~~ the ~~QC Inspector~~ signing off on applicable documents for satisfactory completion of inspections he performs?

Is the Manager NSO arranging for review and approving Owner contracts?

X

Is the Manager NSO subcontracting for labor, subcontracting NDE, destructive testing, and calibration series?

J.R CASEY
5-26-78 Is the Manager NSO assigning NSO Office management personnel to the project and delegating responsibility and authority, as necessary?

X

Is the Service Manager assigning qualified operating personnel to the project and delegating authority as necessary?

X

Is the Service Manager performing the duties of a Service Supervisor? DELEGATED TO R.C. HOOPER

X

DELEGATED R.C. HOOPER
Is the ~~Service Supervisor~~ providing technical direction and guidance to the site personnel?

X

Has the Service Supervisor conducted a review of Owner's documents and obtained a release from Manager QA?

X

Has the Service Supervisor assigned a project identification to each accepted contract?

YES NO

X

Has the NDE Supervisor assured compliance of NDE personnel with this Manual, QC procedures and instructions?

X

Has the NDE Supervisor provided direction to examination personnel?

X

Has the NDE Supervisor prepared IC? (Section 10, Para 10.5)

X

Is the NDE Examiner certified to SNT-TC-1A?

X

LEVEL II
Is the NDE Examiner performing and/or evaluating results of NDE examinations in accordance with approved NDE procedures?

X

Is the NDE Examiner filling out Examination Data Sheets, Calibration Sheets per requirements of applicable procedures, signing off on satisfactory completion of examination, preparing and signing NDE Reports?

X

2.0 QUALITY ASSURANCE PROGRAM

Are personnel performing examinations and/or evaluations within this Quality Assurance Program certified in accordance with SNT-TC-1A, Supplements and Appendices?

YES NO

X

Is the Manager,QA directing the QA Training Program?

X

Are personnel responsible for performing quality activities properly instructed and trained?

X

Are records of training maintained for each employee participating in the QA Training Program?

X

Are personnel performing Quality Activities trained in the activities before the Quality Assurance program is implemented for the project? **L.W. WHEATLY**

X

Were the Manual revisions reviewed and approved by the Customer or his designated agent prior to implementation?

X

Has the Manager Engineering approved this Manual and all revisions hereto by a signature and date of approval on the Table of Contents?

X

Has the "Table of Contents" for this Manual listed each section with its revision number and acceptance date?

X

Has the revision number on each page of a section been updated when a revision in a section was made?

X

Is the most recent revision indicated by a triangular mark in the margin, with the appropriate revision number inserted inside the triangle?

X

Has the minimum distribution list included the following:

	YES	NO
Manager, Engineering	X	
Manager, QA	X	
QA Specialist	X	
QA Supervisor	X	
Nuclear Service Operation Manager	X	
QA Specialist		
NDE Supervisor(s)	X	
Nuclear Energy Division Representative	X	
Authorized Nuclear Inspector (held at QC Supervisor's Office)	X	

Has each Manual recipient acknowledged receipt of the Manual by signing the transmittal form, and returned the transmittal form to the QA Specialist? X

Has each Manual holder acknowledged receipt of the revision by signing the transmittal letter and returning it to the QA Specialist? X

Has the QA Specialist assured that acknowledgements are received from each manual holder? X

Are Uncontrolled Manuals Table of Contents stamped, "Not to be Used For Design, Installation or Construction"? X

3 - DESIGN CONTROL

Is General Electric required by contract to provide a review of the design of systems and equipment requiring Preservice/ Inservice Inspection in accordance with ASM B&PV Code Section XI?

YES

NO

X

4.0 PROCUREMENT DOCUMENT CONTROL

YES NO

Are Product Specification that identify the technical and quality assurance requirements for a specific material available? (CALIBRATION, STB'S / GLYCERIN)
PER DWG'S PER P.S.

X

C. Hooper

Has the Service Manager or his designated representative purchased materials required for the project in accordance with the approved Product Specifications and from vendors on the "Approved Nuclear Vendor List"?

CALIBRATION STB

Does each purchase order for materials reference an approved Product Specification where applicable?

X

Are all procurement documents reviewed and approved by the Project QC Supervisor prior to purchase of any material?

Are copies of purchase orders distributed to:

- a) NSO Record File
- b) NDE Supervisor
- c) Project QC Supervisor

X

X

X

Are NDE Services Subcontracts used for the purpose of obtaining qualified Level I or Level II NDE personnel for the job site?

X

Are personnel working under the supervision of the NDE Supervisor qualified to the proper level of SNT-TC-1A for the type of NDE they perform?

X

Has the NSO Manager prepared and issued NDE Service Subcontracts, after obtaining approval from the Manager QA?

X

Are Consulting Services Subcontracts used for obtaining the services of a consultant to act as a Level III Examiner?

X

Has the Manager QA reviewed and approved the Consultant to assure his competence in the applicable field?

X

Are Material/Services Subcontractors used to provide special services and/or materials during examinations? BOG ENGINEERING

X

Has the Manager QA maintained a program of quality surveillance on the approved subcontractors?

YES	NO
X	
X	
X	
X	
	N/A
	N/A
X	
X	

Do purchase orders for subcontracted services delineate all applicable quality assurance requirements for the performance of work? **NBT PERSONNEL PER SNT-TC-1A**

Are Vendor Qualification past records reviewed on compliance to product requirements?

Are materials manufacturers and suppliers of services, such as NDE Services qualified and approved?

Has the subcontractor review consisted of a review and acceptance of his QA Program and previous experience?

Are the subcontractors identifying any limitations that may apply?

Are all vendors approved by the Manager QA on the list?

Are approved vendors continuously monitored through receiving inspection and nonconformity reports?

5.0 DOCUMENTS

Are documents required to perform activities which affect the quality of the work on Preservice/Inservice Inspections available?

YES NO

X

Do documents include appropriate quality assurance requirements?

X

Do documents have a detailed description of the activity to be performed?

X

Do documents have appropriate methods for documenting or recording data obtained during the performance of the activity?

X

Do documents have appropriate requirements for qualification of procedures, equipment and personnel?

X

(R.C. HOOPER)
Has the NDE Supervisor identified the necessary documents?

X

Are documents prepared by qualified personnel?

X

Are documents reviewed, approved and distributed as required?

X

Has the NDE Supervisor assigned preparation of such documents to qualified personnel knowledgeable of the subject?

X

6.0 DOCUMENT CONTROL

Has the Owner, or his designated agent, furnished documents as defined in the contract to the Nuclear Service Operation Manager?

YES	NO
	X

Has the Nuclear Service Operation Manager forwarded the Owner's document to the Service Manager who is responsible for distribution of the Owner's documents?

X

Has the Service Manager logged in all documents?

X

Is the NDE Supervisor developing inservice inspection methods to be used, and the procedures to be used for each method?

X

Has the NDE Supervisor forwarded his inservice inspection program to the Service Manager for review?

X

Has the Service Manager reviewed the inspection plan to insure that contractual requirements have been met?

X

Has the Service Manager forwarded the inservice inspection program to the Manager QA for obtaining the comments and/or approval from the NDE Specialist and/or NDE Level III consultant?

X

Has the Service Manager forwarded the inservice inspection program to the Owner for approval?

X

Has approval by the Owner and concurrence by the Owner's ANI been documented by the Service Manager?

OWNER

Has the ~~Service Manager~~ ^{G.G.} controlled the distribution of all documents? WH. KOZIK LETTER 7-19-79

Has the Service Manager prepared document distribution lists for each project? R. C. HOOPER

X

Has the Manager QA approved the document distribution lists?

X

Are documents distributed in accordance with the "Approved Document Distribution List"?

X

Is each issue of documents released listed with their revision number on a "Document Index" which accompanies the Print Transmittal and Acknowledgement Form?

X

DOCUMENTS SITE GENERATED

X

YES NO

Are revised documents reviewed, approved, released and distributed in the same manner as original documents. X

Has the Project QC Supervisor prepared a document (Field Documents) distribution list for the Project approved by the Manager QA? X

Have Field Documents been distributed by the Project QC Supervisor in accordance with the "Approved Documents Distribution List"? X

Has each recipient of Field Documents signed and returned the Transmittal and Acknowledgement Form to the Project QC Supervisor office after he has destroyed or marked void the superceded documents at the established work stations? X

DOCUMENT TRANSMITTAL & ACKNOWLEDGEMENT FORM PERSONNEL

S. D. CONNELLY	R. PIETZAK
R. C. HOOPER	E. LAKE
D. VOGEL	S. VOLK
T. LE	A. HOMLER
B. SHIELDS	B. CLARK

7.0 CONTROL OF PURCHASED MATERIAL

	YES	NO
Is acceptance of I&SE purchased material based on completion of a satisfactory receiving inspection at the site?	X	
Has the Owner purchased material met all requirements specified by Code and applicable specifications/standards?	X	
Has the Owner provided and maintained all purchase orders (unpriced), material certifications, and test reports necessary to establish compliance with the Code and other specifications?	X	
Has the Owner provided to I&SE, prior to inspection, certification that all furnished materials meet the applicable Code requirements and specifications and that documentary evidence is on file to attest to this certification?	X	

Is final acceptance of Owner purchased material based upon completion of satisfactory receiving inspection at the site?	X
Is the NDE Supervisor checking items received against the bill of lading when applicable, and purchase order?	X
Is the NDE Supervisor checking for damage and correct quantities?	X
Is the NDE Supervisor preparing Part I of the Receiving Inspection Report (RIR) by filling in the RIR No., Project, Project No., Purchase Order Number, Description of the Item and Product Specification with Revision?	X
Is the NDE Supervisor notifying the Project QC Supervisor of items received and providing him with the applicable RIR, purchase orders, material certification, and notifying him of any damage or discrepancies noted?	X
Is the Project QC Supervisor, upon receipt of the partially completed RIR, purchase order and material certifications, completing Part 2 of the RIR?	X
Is the Project QC Supervisor performing the receiving inspection of the items? (CALIBRATION STD'S/GLYCERIN	X
Are the results of characteristics checked?	X
Are surface conditions and any damage noted?	X

	YES	NO
Do recorded markings on the material meet the requirements of the applicable Product Specification?	X	-
Do recorded characteristics meet the requirements of the applicable Product Specification?	X	
Are material certifications and test reports for I&SE purchased materials in compliance with the applicable Product Specification?	X	
Have Material Certification for Owner purchased materials been accepted?	X	
Is the RIR signed and dated upon satisfactory completion of review by the Project QC Supervisor?	X	
Has the Project QC Supervisor made RIR's with the applicable material certifications available to the Customer and/or ANI for review?	X	
Has the Project QC Supervisor brought all nonconformities found during receiving inspection of Owner furnished materials to the attention of the Customer and/or the ANI? (NONE)	X	
Has the Project QC Supervisor placed the "Release for Production" Tag on each product or product containers after he has signed the RIR for acceptance?	X	
Has the Project QC Supervisor placed a copy in the Records File and sent a copy of the signed off RIR to the NDE Supervisor?	X	
Has the Project QC Supervisor notified the NDE Supervisor of non-conformities and assured that such material is clearly tagged with the Hold Tag?	X	

8.0 IDENTIFICATION AND CONTROL OF MATERIALS

Has all material used by I&SE been received, inspected and released for production by a "Release for Production" Tag?

YES	NO
X	

9.0 CONTROL OF SPECIAL PROCESSES-NONDESTRUCTIVE EXAMINATION

Is all NDE performed in accordance with procedures which have been proven to be capable of detecting and locating discontinuities described in the Code as unacceptable, borderline, or as required to be reported?

YES NO

CUSTOMER RESPONSIBILITY

Has the NDE Specialist assured that NDE procedures are qualified to the satisfaction of the Authorized Nuclear Inspector prior to use?

CUSTOMER

Is each Level III Examiner been qualified by training and experience for the type of NDE in which he has been appointed to the Level III?

X

Does each Level III Examiner review and/or modify NDE procedures and NDE procedure qualifications and approve NDE personnel for his type of NDE?

X

Are I&SE NDE Levels of qualification and examinations obtained and maintained in accordance with I&SE Central Region Procedure Number NDE PQ-8000?

X

Has a Certification of Qualification been issued under the rules of SNT-TC-1A?

X

Does the certificate state level of qualification, the date of qualification, and the type of NDE?

X

Is the certificate signed and dated by the Level III Examiner?

LEVEL III W. KOZIK / R. WILLS

Are personnel from the NDE Services Subcontractor qualified to the appropriate Level defined in and to the requirements of SNT-TC-1A?

X

Does the Project QC Supervisor have job site NDE Personnel Records including those of the Level III and those of NDE Services Subcontractor Personnel, on file at the job site?

X

Are letters of appointment of Level III Examiners available?

X

Are Certificates of Qualification available?

X

Are current Jaeger Vision Test Results available?

X

Are Magnetic Particle, Liquid Penetrant and Visual Examination results recorded on the appropriate Examination Data Sheet?

X

Are indications found during examination documented and handled per Section 15?

YES	NO
X	
	N/A
	N/A
X	
X	
X	

Are radiographic examination results recorded on the Radiographic Technique Record Sheet and Inspection Report?

Does the Project QC Supervisor make a copy of the Radiographic Technique Record Sheet and Inspection Report and place it with the radiographic film?

Does the Project QC Supervisor sign off the Inspection Checklist for the applicable examination?

Are ultrasonic examination results recorded on an Examination Data Sheet?

Are records of NDE Personnel Qualification NDE Procedure Qualifications and NDE Examinations, ~~including radiographic film~~, available to the customer?

10.0 INSPECTION

Are inspection operations performed using approved procedures?

YES

NO

X

Has the customer provided inspection procedures for I&SE to implement?

X

Is the Inspection Checklist controlling operations, examinations and tests?

X

Is the ~~NDE~~ Supervisor preparing the IC and obtaining the necessary approvals?

X

Is the preparer of the IC identifying the location, briefly describing the examination or test and inserting any special procedure or instruction identification?

X

Has adequate protection been provided for the IC package?

X

Have satisfactory completion of examinations or tests been indicated by signatures and date on the IC?

X

Is the Examination Data Sheet used with the Inspection Checklist to record the examination data?

X

Are particular data sheets used for an examination or test specified by the procedure referenced on the Inspection Checklist?

X

Are completed data sheets forwarded to the Project QC Supervisor for audit?

X

Are calibration sheets used with the IC for ultrasonic examination data?

X

Is the particular calibration sheet used for examination or test specified by the referencing procedure on the Inspection Checklist?

X

Are calibration sheets completed in accordance with the referencing procedure?

X

Are completed calibration sheets forwarded to the Project QC Supervisor for audit?

YES NO

X

Does the Project QC Supervisor audit Examination Data Sheets and, when applicable, calibration sheets to assure that they are complete and that the requirements of the Inspection Checklist have been met?

X

Does the Project QC Supervisor enter the examination Data Sheet and calibration sheet numbers on the IC, sign off and date the inspection checklist for the applicable examination and notify the Owner's ANI that the examination records are ready for review?

X

Does the Project QC Supervisor provide the ANI with the Inspection Checklist and the examination records?

X

After completion of his review, does the ANI indicate his review by initialing and dating the inspection checklist?

X

Are the Examination Data Sheets and calibration sheets cross referenced to each other?

X

Are deletion, addition or substitution of examinations by the NDE Supervisor made only after the written consent of the Owner?

LETTER ON FILE

N/A

Is the inservice inspection frequency of components and systems and the identification called out in the inservice inspection program?

N/A
AT THIS TIME

11.0 TEST CONTROL

Is testing performed by I&SE during examination work limited to nondestructive examination?

YES	NO
X	
	X

Is all testing performed using approved written procedures and documented on the Inspection Checklist and/or related applicable forms?

12.0 CONTROL OF MEASURING & TEST EQUIPMENT

YES NO

Is calibration in accordance with the applicable procedures and Code requirements as called for in procedures?

X

Is measuring and test equipment used to inspect items or systems controlled to insure accuracy with planned periodic calibration?

X

Are procedures established to control applicable test, inspection and examination equipment, instruments, tools, guages and other related devices?

X

Is a control number (serial number) assigned to each item requiring calibration?

X

Are frequency of calibration records for each control number established and maintained?

X

Is calibration performed in accordance with approved procedures?

(E317-68) QC-001 GE PROCEDURE

Are calibrated devices labeled to indicate:

X

- a) By whom calibrated
- b) Date of last calibration
- c) Due date of next calibration

Are records documenting the calibration information accumulated for each device reviewed by the Project QC Supervisor?

X

Are reference standards calibrated and controlled against certified equipment having known valid relationships to nationally recognized standards?

X

Does the NDE Supervisor periodically verify proper calibration of ultrasonic instruments?

X

Does the NDE Supervisor certify the calibration by signing and dating the UT calibration sheet?

X

Are all calibration sheets reviewed by the Project QC Supervisor?

X

13.0 HANDLING, STORAGE AND SHIPPING

Are manufacturer's special storage requirements implemented?

YES NO

N/A

Have special storage procedures been provided and implemented at the owner's request?

N/A

Does the NDE Supervisor initiate the distribution of all materials at the jobsite?

X

Does the NDE Supervisor have the inventory records of all materials at the jobsite?

X

Is the storage area provided adequately protected against intrusion by unauthorized personnel or acquisition of said materials without the NDE Supervisor's permission?

X

PT LOCKED TRAILER

Does the storage area provide for segregating of material?

X

14.0 INSPECTION, TEST AND OPERATING STATUS

- Is the status of material identified by tagging?
- Is material which has been received and passed the receiving inspection tagged with a "Release for Production"?
- Is nonconforming material tagged with a "Hold Tag"?
- Do Inspection Checklist and associated reports provide a current status of all examination, inspections and tests?
- Is all tagging and marking under the control of the Project QC Supervisor?
- Does the Project QC Supervisor remove any tags, markings or stamps related to a quality function?

YES	NO
X	
X	
X	
X	
X	
X	

15.0 REPORTABLE INDICATIONS AND NONCONFORMITIES

Are indications recorded on the Examination Data Sheets in accordance with the requirements of the applicable NDE Procedure?

YES NO

X

Are indications which exceed the minimum recordable criteria recorded by the NDE Examiner and reported to the NDE Supervisor?

X

Does the NDE Supervisor review, initial and date examination data sheets?

X

Are all rejectable indications evaluated by a Level III Examiner?

X

Does the NDE Supervisor forward the Examination Data Sheets to the Project QC Supervisor for his review?

X

Do Site Examination and QC Personnel report nonconformities to the Project QC Supervisor?

X

Are nonconformities tagged with a "Hold Tag"? CUSTOMER RESPONSIBILITY

Does the "Hold Tag" reference the Nonconformity Report Number? CUSTOMER RESPONSIBILITY

Does the Project QC Supervisor notify the NDE Supervisor of the NCR FORWARDED TO nonconformity and initiate a Nonconformity Report (Exh.15) by CUSTOMER FOR filling in the top 2 blocks of the form? RESOLUTION

Has the NDE Supervisor entered the proposed resolution in the block "Recommended Corrective Action" before returning it to the Project QC Supervisor? RESOLUTION PER CECO

✓

Does the NDE Supervisor forward these reports to the appropriate engineering staff for review and approval? CECO

Does the Project QC Supervisor review ~~the proposed~~ resolution and advise the NDE Supervisor?

X

YES NO

Does the Project QC Supervisor review the nonconformity with the ANI and obtain the ANI's concurrence with the proposed resolution?

X

Does the ANI complete the line "Reviewed and Approved by ANI" on the report?

X

Are all nonconformities referred to the ^{QC}~~NDC~~ Supervisor for obtaining Owner ~~concurrence with the proposed~~ resolution?

X

Are the Nonconformity Reports considered complete when corrective action has been performed and the Project QC Supervisor has verified the corrective action and signed-off the last blank of the Nonconformity Report?

X

Are completed Nonconformity Reports filed with Official Records?

X

100% Review

NCR'S REVIEWED

100% 5 70

INCR-50

INCR-70

-51

-71

-52

-72

-53

-73

-54

-74

-55

-75

-56

-76

-57

-77

-58

-78

-59

-79

-60

-80

16.0 CORRECTIVE ACTION

	YES	NO
Does I&SE review Examination Data Sheets and submit to the Owner all reportable indications? —	X	
Is the Nonconformity Report used to report a nonconformance?	X	
Does the Nonconformity Report indicate the proposed corrective action?	X	
Are retests showing acceptable performance run following any required corrective action?	X	

REVIEW NCR'S AGAINST PRODUCTION

INCR-90:

AUTOMATIC SCANNING DEVICE

OVERSTEP

RESOLUTION: MANUAL COVERAGE

INCR-89:

CALIBRATION BLOCK

RESOLUTION: UTILIZED ANOTHER BLOCK

11-10-89

11-10-89

17.0 QUALITY ASSURANCE RECORDS

Does the NDE Supervisor prepare a Documentation Check List (DCL) for each project listing the Official Records?

YES NO

X

Is the DCL reviewed and approved by the Manager QA?

X

Does the DCL include the following:

Audit Reports

Calibration ~~Sheets~~ **STANDARDS**

Consulting Services Subcontracts

Corrective Action

Correspondence

Customer Contract

Drawings

Evaluation of Results

Examination Data Sheets

Examination Plans & Schedule

Inspection Checklist

Labor Subcontracts

Material Certificates

Nondestructive Examination

• Personnel Qualification

• Procedures/Methods

• Procedure Qualification Records

• Reports

• Services Subcontract

Nonconformity Report

Document Distribution List

Document Index

Document Transmittal & Acknowledgement Forms

Product Specifications

Purchase Orders

Receiving Inspection Reports

Reportable Indication List

Photographs

Does the Project QC Supervisor have the Official Records as listed on the DCL?

X

Is an index maintained for each type of record?

X

Are Official Records stored in locked fire retardant cabinets?

X

Is the Project QC Supervisor consolidating the Official Records in a package?

X

YES NO

After auditing the Official Record package has the Project QC Supervisor made these available to the Owner for review?

N/A AT THIS TIME

Has the NDE Supervisor arranged for the transfer of the Official Records?

Have pertinent records been copied and/or micro-filmed prior to transferral to the Owner?

Are these records retained in the Region Office?

18.0 AUDITS

Has the Project QC Supervisor verified that the NDE Examiner is complying with requirements of this Manual and applicable procedures?

YES NO

X

Are the auditors competent in the discipline they audited?

X

Has the Manager Engineering scheduled an audit of the Quality Assurance Organization at least once a year?

X

Have auditors prepared Audit Reports which shall be distributed to the Manager, Engineering and to the Manager, QA?

X

Has the Manager, Engineering reviewed the report with the Region Manager?

X

Have the subcontractors performing work for I&SE been audited ~~for conformance with their approved QA Manual (where required) and procedures?~~

X

Has a final audit of all subcontractor produced documentation been performed upon completion of the subcontractor's portion of the Project?

X

DATA REPORTS ONLY

Has the Project QC Supervisor made Audit Reports available to the ANI?

X

APPENDIX

Is a "Manual Transmittal Form" available for each controlled ISI QA Manual?

YES NO

X

Is each "Manual Transmittal Form" signed by the Manual recipient?

X

Are "Manual Revision Transmittal Letters" available for all revisions?

X

Is the "Nuclear Manual Register" available for each controlled Manual?

X

Are all documents required for the project on the "Document Index"?

X

Are the proper revisions of the documents listed on the "Document Index"?

X

Are the "Document Transmittal & Acknowledgement Forms" available?

X

Have all "Document Transmittal & Acknowledgement Forms" been signed?

X

Are "Receiving Inspection Reports" on all purchase orders of quality related material available?

X

Have all "Receiving Inspection Reports" been verified and dated?

X

Is material released for production tagged with a "Release for Production Tag"?

X

Is material not available for production tagged with a "Hold Tag"?

X

Do all NDE personnel have level certification available?

X

Is the NDE personnel level certification properly signed/dated?

X

Is "Education, Training and Experience Record" available for all NDE personnel?

X

Is the "Individual NDE Work Experience Record" available for NDE personnel?

X

Is a "Jaeger Vision Test" record available for all NDE personnel?

YES	NO
X	
X	
X	
X	
X	
X	

Are "Inspection Checklists" received and approved by the QC Supervisor?

Are "Nonconformity Reports" available?

Are all "Nonconformity Reports" properly initiated and logged?

Are all proposed resolutions on the "Nonconformity Reports" signed/dated?

Are all "Nonconformity Reports" reviewed by the ANI?

Are UT Calibration Data Sheets Vessel" available?

THE PROCEDURE IDENTIFYS THE
DATA SHEETS TO BE USED

PERSONNEL SUPPLEMENT:

NAME EDWARD L. LAKE JR

DISCIPLINE

DATE OF CERTIFICATION

LEVEL

PT X11-1-791T

MT _____

RT _____

UT X11-1-791

ET _____

VT _____

LT _____

CERTIFICATION TESTS:

PT

MT

RT

UT

ET

VT

LT

General

8583

Specific

8896

Partial

9097

Are tests available in personnel records? _____

EDUCATION: MINOOKA HIGH SCHOOL '74WELD INSPECTION - MAGNAFLUX CORP.TRAINING: UT (MAGNAFLUX CORP) 40 HRS 2/79; UT/DT/MT (SPEER-
LEVEL II) ? HRS 11/76RESUME: 1/80 - 11/79 (NDT SERVICES, INC) 11/79 - 3/77 (LAMBERT, MACGILL, THOMAS /
NUCLEAR SERVICES CORP.) 3/77 - 5/76 A & H ENGINEERING, RTEEYE EXAMINATION RESULTS: 11-2-79

JAEGER

COLOR

ALLEN E. BAKER R.N. CECOJ-1ISHIHARA

PERSONNEL SUPPLEMENT:

NAME LAWRENCE W. WHEATLY

DISCIPLINE

DATE OF CERTIFICATION

LEVEL

PT	X	10-23-79	III
MT	X	10-23-79	III
RT	X	10-23-79	II
UT	X	10-23-79	III
ET			
VT			
LT			

CERTIFICATION TESTS:

PT

MT

RT

UT

ET

VT

LT

General

93.5

95.3

92.8

93.2

Specific

93.8

95.0

93.8

100

Partial

95

100

95

90

Are tests available in personnel records? _____

EDUCATION: BROOKFIELD '66UNIVERSITY OF FLORIDA '76 BSTRAINING: NDT (U.S. Air Force) 360 Hrs '68UT (MAGNAFLUX, LEVEL I / LEVEL II) 80 Hrs '78RESUME: NDT (U.S. Air Force) '68-'72 LEVEL I 1YR 68/69LEVEL II 69-72 PT/MT/RT/UT/ETEYE EXAMINATION RESULTS: 3-19-79

JAEGER

COLOR

ALLEN E. BAKER R.N. CECOJ-1X

PERSONNEL SUPPLEMENT:

NAME D. E. HALTHAUS

DISCIPLINE	DATE OF CERTIFICATION	LEVEL
PT <u>X</u>	<u>12-14-78</u>	<u>III</u>
MT <u>X</u>	<u>12-14-78</u>	<u>III</u>
RT		
UT <u>X</u>	<u>4-23-79</u>	<u>III</u>
ET		
VT		
LT		

CERTIFICATION TESTS:	PT	MT	RT	UT	ET	VT	LT
General	98.4	87.2		85.6			
Specific	96.0	100		95			
Partial	90.0	90		100			

Are tests available in personnel records? _____

EDUCATION: STONINGTON HIGH '67
SPARTAN SCHOOL OF AERONAUTICS '74 (NDT, ELECTRONICS)
U.S. AIR FORCE 1970 (AIRCRAFT MAINTENANCE)

TRAINING: NDT (SPARTAN SCHOOL OF AERONAUTICS) 360 HRS '74

RESUME: 11/68-11/72 (U.S. AIR FORCE) / 1/73-6/73 (MISTLETOE EXPRESS) / 6/73-8/73
(UPTON MFG. CO) 6/74-12/74 (B.G. TRAILER SALES) 8/73-12/74 (SHELL OIL CO) 1/75-3/75
(CAPITOL AVIATION, INC) 3/75-1/80 (CONAM INSPECTION, INC)

EYE EXAMINATION RESULTS: 11-16-78 JAEGER COLOR
J-1 AMERICAN OPTICAL

PERSONNEL SUPPLEMENT:

NAME R.C. Hooper

DISCIPLINE	DATE OF CERTIFICATION	LEVEL
PT <u>X</u>	<u>10-3-77</u>	<u>I</u>
MT		
RT		
UT <u>X</u>	<u>2-1-78</u>	<u>II</u>
ET		
VT		
LT		

CERTIFICATION TESTS:	PT	MT	RT	UT	ET	VT	LT
General	<u>93.3</u>			<u>88</u>			
Specific	<u>100</u>			<u>100</u>			
Partial	<u>100</u>			<u>100</u>			

Are tests available in personnel records? _____

EDUCATION: B.S. PARKS COLLEGE OF AERONAUTICAL TECHNOLOGY OF ST LOUIS UNIVERSITY

TRAINING: UT (GENERAL DYNAMICS '75) / LT '75 (GENERAL DYNAMICS)
MT '75 (GENERAL DYNAMICS) / RT '75 (GENERAL DYNAMICS) UT '78 (KRAUTKRAMER
SECTION XI '77 (ASME)

RESUME: GENERAL ELECTRIC 75/80

EYE EXAMINATION RESULTS:	JAEGER	COLOR
<u>8-7-79</u>		
<u>ALLEN E. BAKER R.N. CECO</u>	<u>J-1</u>	<u>X</u>

PERSONNEL SUPPLEMENT:

NAME R. W. AUSTIN

DISCIPLINE	DATE OF CERTIFICATION	LEVEL
PT <u>X</u>	<u>6-25-79</u>	<u>II</u>
MT		
RT		
UT <u>X</u>	<u>6-25-79</u>	<u>I</u>
ET		
VT		
LT		

CERTIFICATION TESTS:	PT	MT	RT	UT	ET	VT	LT
General	<u>93</u>			<u>94</u>			
Specific	<u>92</u>			<u>92</u>			
Partial	<u>96</u>			<u>96</u>			

Are tests available in personnel records? _____

EDUCATION: SCOTTSBURG HIGH 1963
 TRAINING: GENERAL DYNAMICS TRAINING PROGRAM '74
UT '79 (KRAUTKRAMER) / PT '75 (KRAUTKRAMER)

 RESUME: 6/79 - 1/80 (NDT SERVICES, INC) / 6/79 - 8/78 (WISHER BECKER) /
4/73 - 8/78 (GENERAL DYNAMICS) / 3/68 - 4/73 (GIBBS OIL Co)

EYE EXAMINATION RESULTS:	6-25-79	JAEGER	COLOR
ALLEN E. BAKER R.N. CECO		<u>J-1</u>	<u>X</u>

PERSONNEL SUPPLEMENT:NAME ROMAYNE PALMER

DISCIPLINE

DATE OF CERTIFICATION

LEVEL

PT _____

MT _____

RT _____

UT X

ET _____

VT _____

LT _____

12-14-78II

CERTIFICATION TESTS:

PT

MT

RT

UT

ET

VT

LT

General

98

Specific

92

Partial

94

Are tests available in personnel records? _____

EDUCATION:

HIGH SCHOOL '74

TRAINING:

HOBART-TODD MEMORIAL TRADE SCHOOL '75UT (KRAUTKRAMER-BRANSON, INC) 80HRS

RESUME: 3-76 TO 4-76 (UNIVERSAL TESTING LABORATORY) / 4-76 TO 6-77 (RICH VALVE CO)
6/77-6/78 (TRANS-EASTERN INSPECTION INC) / 6-78 TO 10-78 (MENSA RESOURCES, I)
10/78 TO 12/78 (UNIVERSAL TESTING LABORATORY) 12/78 TO 4/79 (TRANS-EASTERN INSPE)

EYE EXAMINATION RESULTS: 12-14-78

JAEGER

COLOR

A. WEEGER, R.N. CECOJ-1AMERICAN OPTICAL

PERSONNEL SUPPLEMENT:

NAME SALAHUDDIN RAZI

DISCIPLINE

DATE OF CERTIFICATION

LEVEL

PT X5-7-79III

MT

RT

UT X5-7-79III

ET

VT

LT

CERTIFICATION TESTS:

PT

MT

RT

UT

ET

VT

LT

General

96.292

Specific

10090

Partial

9697

Are tests available in personnel records?

EDUCATION: UNIVERSITY COLLEGE OF SCIENCE O.U. (HYDERABAD, INDIA) 66/69 B
OSMANA UNIVERSITY (HYDERABAD, INDIA) 70/70 M.S.
UNIVERSITY OF OREGON 73/74

TRAINING: PITTSBURGH TESTING LAB ⁷⁵/₇₈ RT(56HRS) MT(25HRS) UT(4HRS)
PT(40HRS) UNIVERSITY OF OREGON RT(80HRS)'74

RESUME: 2/75 - 5/78 (PITTSBURGH TESTING LAB. - SEATTLE, WA)
5/78 - 1/80 (GENERAL ELECTRIC, CHICAGO, IL)

EYE EXAMINATION RESULTS: 5-15-79

JAEGER

COLOR

ALLEN E. BAKER P.N., CECOJ-1ISHIHARA

GENERAL  ELECTRIC

DIAL COMM

8*383-3339

MAIL ADDRESS & DATE

814 Commerce Drive Suite 305
Oak Brook, Illinois 60521

June 7, 1979

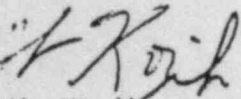
SUBJECT

ISI AUDIT REPORT LA SALLE PROJECT

R. W. Will
Oak Brook

An Audit was performed on ISI Project at LaSalle on April 17, 19 and May 1, 1979.

The results of the Audit are attached. Corrective Action Items are listed on the Corrective Item Sheet.



W. Kozik
Manager QA
Region Engineering

WK/mr



INSTALLATION & SERVICE
ENGINEERING BUSINESS
DIVISION

COPIES

N. Casey
L. Wheatley

AUDIT REPORT ISI LA SALLE

1. Has the Organization Chart been issued?

YES Needs to be updated.

2. Are the Manuals numbered and with latest Revision?

YES #7 - W. Kozik, #4 - R. Hooper, #5 - L. Wheatley
Table of Contents dated 1/8/79.

3. Were the revisions approved by Owner?

YES Letter on file.

4. Is the Manager of Engineering controlling contents of QA Manuals?

YES Checked above manuals listed in item 2. Signed for revisions.

5. Is the Manager Engineering administering the agreement with the Authorized Inspection Agency?

YES Copy of contract in office.

6. Did the Manager QA assign the Project QC Supervisor?

YES

7. Is the Manager QA directing QC training program?

YES Checked training file at site. All NDE were trained to the QC procedure requirement.

8. Is the QA Specialist controlling the distribution of the QA Manuals?

YES One manual holder did not send the manual Transmittal Form to QA Specialist.

9. Is the NDE Specialist performing the qualification on I&SE personnel as per PQ 8000?

YES Level III used are: L. Wheatley, M. Hart, V. Bain

10. Is the Project QC Supervisor coordinating the QC activities at the Site?

YES by reviewing and by inspection auditing.

11. Is the Project QC Supervisor coordinating activities with ANI?

YES

12. Is the Project QC Supervisor reviewing and approving IC?

Checked IMS 1001, IMS 1002, IMS 1009, IMS 1055.

13. Is the Project QC Supervisor reviewing the IC with ANI for hold points?

No hold points by ANI. IC are not signed to indicate review.

14. Is the Project QC Supervisor filing and indexing the files?

YES Check file on Personnel Certification 2.2.

15. Is the Project QC Supervisor filing the NDE Personnel records at shop?

Checked C. Mills; Eye Examination, Certs, Experience

D.M. Perrinne; Eye Examination, Certs, Experience

N. Hansen; Eye Examination, Certs, no listing of experience form other company for certification.

16. Are the NDE Procedures Qualified?

YES PT checked results dated 11/21/78 on file. PPS751 UT Project QC Supervisor will document this item.

17. Are copies of Purchase Orders to NDE subcontractor on file at site?
NO Will check with Service Manager to have the P.O. sent to site.
18. Is the Vendor list at the site?
YES NVL Rev. 17 needed to be updated. NDT & Eastern NDE Subcontractor not listed. Both have been verbally approved by checking the documentation and their procedure at the site and in the office. Will the QA Specialist update the list.
19. Is the site distribution controlled by the Project QC Supervisor?
YES Checked D.074 Rev. 2 also checked document transmittal S. Connelly, dated 4/25/79.
20. Are the ENS and Calibration Sheets cross referenced?
YES checked CDS 63010 to EDS 63011 and CDS 63000 was stated.
21. Is there an Instrument Calibration Log at the site?
YES Checked list dated 4/23/79. Checked dates on Instr. 704008, dates agreed with list 3/26/79 to 9/26/79. Calibration control program procedure #QC001 Rev. 0 was at the site. Frequency of calibration is at least once every 12 months. All instruments fall within this frequency.
22. Is there a controlled storage area at the site?
YES Trailer next to office. Locked each night and the area is used only by the NDE and project personnel.
23. Are the nonconformities logged and signed off at the site?
YES Checked NCR #54-55-56-57. These were signed off by L. Wheatley. Also were reviewed with ANI who also signed the NCR.

CORRECTIVE ACTION ITEMS

A. Production Items

1. Organization Chart needed updating.

Corrected during Audit.

2. Copies of Purchase Orders were not sent to the site by Service Manager.

B. Quality Control Items

1. One Manual Holder did not send the Manual Transmittal Form to QA Specialist.

2. The ANI did not sign the IC forms to indicate review.

3. UT NDE Procedure Qualification was not documented.

4. Vendor List needs to be updated.

NOTE: Mr. L. Wheatley is responsible for correcting the above items.

No reaudit of these items are required.

GENERAL  ELECTRIC

DIAL COMM

8*383-3339

MAIL ADDRESS & DATE

814 Commerce Drive
Oak Brook, IL 60521
October 10, 1978

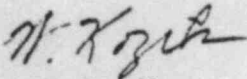
SUBJECT

Audit of ISI Project at LaSalle

TO: R. W. Will
Oak Brook

An audit was performed on the ISI Project at LaSalle on September 26, 1978.

A copy of the audit report is attached.



W. Kozik
Manager QA
Region Engineering

WK/mk

attachment



INSTALLATION & SERVICE
ENGINEERING BUSINESS
DIVISION

COPIES

T. Mikulski-Oak Brook
N. Casey-Oak Brook
→ L. Wheatley-Oak Brook
R. Hooper-Oak Brook

Action Items

Production

1. Organization chart is not issued as of this time.
2. Training of the personnel at the site is not documented. Needs to be documented.

Quality Control

1. Records are not indexed. All records need to be indexed in the file.

The above items were discussed with personnel at the site. Corrective action was assigned to R. Hooper for Production Items and L. Wheatley for Quality Control item.

AUDIT CHECK LIST

1. Has the Organization Chart been Issued?

No

2. Is the Project QC Supervisor reviewing and accepting material certificates?

Yes. Check Certificates on PT Material from Commonwealth Edison and Glycerine Certificate on file at site.

3. Is the Project QC Supervisor controlling the interfacing with the ANI?

Yes

4. Is the Project QC Supervisor reviewing and approving IC?

Yes

5. Is the Project QC Supervisor auditing and filing completed IC?

NA at this time no completed IC. Checked IC I-MS-1001 Rev. 1

6. Is the Project QC Supervisor gathering and filing records as per the Manual (17.3)

Document Check List is on file, records are not indexed at this time.

7. Is the Project QC Supervisor controlling the NCR at the Site?

Yes Checked RCR #0001

8. Is the Project QC Supervisor controlling the calibration program for the project?

Checked Procedure QC 001. List of transducer with spectrum analysis at site.

9. Is the Project QC Supervisor assuring the ANI witnesses final testing?

Yes. Checked. 1 MS 1001 Rev. 1

10. Is the NDE Supervisor assuring that the NDE personnel are complying with the QA Manual?

Yes. Checked Procedure MPUPS751. Also checked B. Dummer file as per the Service Shop Procedure ASBD-NDT 1101 Rev. 2.

11. Is the NDE Supervisor maintaining a schedule of work?

Yes

12. Is the NDE Supervisor providing direction to examination personnel?

Yes. Not documented.

13. Is the NDE Supervisor preparing the IC?

Yes

K(84-11)