

11/5.77

CO SERVICES INCORPORATED

QUALITY ASSURANCE

REPORT NO. (1) W3-6238

NONCONFORMANCE REPORT

Distribution:

White - PQAE or Site QA Supervisor

Yellow - Organization recommending disposition

Pink - Initiator of NCR

INSTRUCTIONS: (See back of form) Trend Code:6000.00.60

SUS #53

CLIENT OR PROJECT (2)

DRAWING NO./SPEC NO. (3)

Louisiana Power & Light

SUPPLIER, CONSTRUCTION QC OR CONTRACTOR (4)

P.O. NO. (5)

Mercury Co. OF Norwood, Inc.

W3-NY-15

SP.664, Rev. 2

DESCRIPTION OF COMPONENT, PART OR SYSTEM (6)

SUS 53A, Mercury NCR #3171

ASME CLASS 2 @ 6.3-83

I. DESCRIPTION OF NONCONFORMANCE (7) (Items Involved, Specification, Code or Standard to Which Items Do Not Comply, Submit Sketch if Applicable)

See attachment #1 for description of nonconformance.

REPORTABLE	YES	NO
10CFR56.55b	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10CFR21	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Reviewed by: <i>gdm</i> Date: <i>5/23/83</i>		

Item: 0001

NAME AND SIGNATURE OF PERSON REPORTING NONCONFORMANCE (8)

TITLE/COMPANY

DATE (9)

H. Kunis Jr./N. Goodrich *Noel B. Goodrich*

QAE/EBASCO

5/17/83

II. RECOMMENDED DISPOSITION (10) (Submit Sketch if Applicable)

- Retrain responsible person(s) via a documented training session I.A.W. the requirements of the referenced procedure.
- Perform Corrective Action as stipulated in Sec. I, Part 2 A,B,C & D of this document.

NAME AND SIGNATURE OF PERSON RECOMMENDING DISPOSITION (11)

TITLE/COMPANY

DATE (12)

H. Kunis Jr./N. Goodrich *Noel B. Goodrich*

QAE/EBASCO

5/17/83

III. EVALUATION OF DISPOSITION BY EBASCO, REASON FOR DISPOSITION (13)

concur with above disposition

② Refer to attachment #3 for documents required to close NCR by 5-26-83

① Concur with disposition

IV. CORRECTIVE ACTION (14)

☒ Required☐ Not Required

(NCR 3449) copies of NCR & attachments are being submitted to resolve problems of NCR 3171 and close W3-6238

gdm 5/23/83 D. Bruccini 6/24/83

V. (15) ENGINEERING	QUALITY ASSURANCE	CONSTRUCTION	OTHER
NAME (SIGNATURE) <i>H. Kunis Jr.</i>	NAME (SIGNATURE) <i>D. Bruccini</i>	NAME (SIGNATURE) <i>G. Tuma</i>	NAME (SIGNATURE) <i>L. B. Velt</i>
DATE 5-24-83	DATE 5-26-83	DATE 5/20/83	DATE 6-10-83
<input checked="" type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input checked="" type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input checked="" type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED
<input type="checkbox"/> ACCEPTED WITH COMMENTS	<input checked="" type="checkbox"/> ACCEPTED WITH COMMENTS	<input type="checkbox"/> ACCEPTED WITH COMMENTS	<input type="checkbox"/> ACCEPTED WITH COMMENTS

VI. VERIFICATION OF DISPOSITION

☒ Required☐ NOT REQUIRED (16)

F. Lawson
EBASCO VENDOR QA OR QA
ENGINEERING

SIGNATURE

TITLE QAE

DATE

8507270122 850701

PDR FOIA

BERNAE85-123

PDR

Refer to Note on Att #90 Closed 7-18-83

FDIA-85-123 E/4

NONCONFORMANCE REPORT

REPORT NO. (1) W3-6238

Distribution:

White - PQAE or Site QA Supervisor

Yellow - Organization recommending disposition

Pink - Initiator of NCR

INSTRUCTIONS: (See back of form) From Code: 1000.00.90 SWS 53A

CLIENT OR PROJECT (2)

DRAWING NO./SPEC NO. (3)

Supplier: Tower & Light

SUPPLIER, CONSTRUCTION QC OR CONTRACTOR (4)

P.O. NO. (5)

Mercury, OF Newwood, Inc.

W3-17-15

DESCRIPTION OF COMPONENT, PART OR SYSTEM (6)

SWS 53A, Mercury NCR 33171

I. DESCRIPTION OF NONCONFORMANCE (7) (Items Involved, Specification, Code or Standard to Which Items Do Not Comply, Submit Sketch if Applicable)

See attachment #1 for description of nonconformance.

NAME AND SIGNATURE OF PERSON REPORTING NONCONFORMANCE (8)

TITLE/COMPANY

DATE (9)

Kanis Jr./N. Goodrich Snell & Associates

QAE/EBASCO

5/17/83

II. RECOMMENDED DISPOSITION (10) (Submit Sketch if Applicable)

- 1) Retrain responsible person(s) via a documented training session I.A.W. the requirements of the referenced procedure.
- 2) Perform Corrective Action as stipulated in Sec. I, Part 2 A,B,C & D of this document.

NAME AND SIGNATURE OF PERSON RECOMMENDING DISPOSITION (11)

TITLE/COMPANY

DATE (12)

H. Kanis Jr./N. Goodrich Snell & Associates

QAE/EBASCO

5/27/83

III. EVALUATION OF DISPOSITION BY EBASCO, REASON FOR DISPOSITION (13)

- 2) Refer to attachment #3 for documents received to close NCR by 5-26-83
- 1) Over with Disposition

IV. CORRECTIVE ACTION (14)

☒ Required☐ Not Required

(NCR 3449) copies ARE BEING SUBMITTED TO Resolve Problems of NCR 3171 & close W3-6238

V. (15) <input checked="" type="checkbox"/> ENGINEERING	<input checked="" type="checkbox"/> QUALITY ASSURANCE	<input checked="" type="checkbox"/> CONSTRUCTION	<input checked="" type="checkbox"/> OTHER
NAME (SIGNATURE) [Signature]	NAME (SIGNATURE) [Signature]	NAME (SIGNATURE) [Signature]	NAME (SIGNATURE) [Signature]
DATE 5-24-83	DATE 5-26-83	DATE 5/20/83	DATE 6-10-83
<input checked="" type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input checked="" type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input checked="" type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED
<input type="checkbox"/> ACCEPTED WITH COMMENTS	<input checked="" type="checkbox"/> ACCEPTED WITH COMMENTS	<input type="checkbox"/> ACCEPTED WITH COMMENTS	<input type="checkbox"/> ACCEPTED WITH COMMENTS

VI. VERIFICATION OF DISPOSITION

☒ REQUIRED☐ NOT REQUIRED (16)(17) BY [Signature]
EBASCO VENDOR QA OR QA
ENGINEERING

SIGNATURE

[Signature] QAE

TITLE

NCR ORG. SUPERVISOR

DATE

6-24-84

Refer to attachment #1 to close 7-18-83

W3-3462

QUALITY ASSURANCE

REPORT NO. W3-795

NONCONFORMANCE REPORT

Trend Code: 5000.00.77

SUS 64

INSTRUCTIONS: (See back of form)

Distribution:
White - PQAE or Site QA Supervisor
Yellow - Organization recommending disposition
Pink - Initiator of NCR

CLIENT OR PROJECT (2)

Waterford S.E.S. #3, Louisiana Power and Light Company

SUPPLIER, CONSTRUCTION QC OR CONTRACTOR (4)

P.O. NO. (8)

Fischbach and Moore, Inc.

NY 403536

DESCRIPTION OF COMPONENT, PART OR SYSTEM (6)

Cable #30073A-SMB

DRAWING NO./SPEC NO. (3)

IR#159-71-567

CP307 R/6 Par. 6.2.4

QAP 303W3 Par. 5.4 R/1

I. DESCRIPTION OF NONCONFORMANCE (7) (Items Involved, Specification, Code or Standard to Which Items Do Not Comply, Submit Sketch if Applicable)

Cable #30073A-SMB which is terminated at CP22-B has a cut in the insulation of it's white conductor approx. 1/2" long exposing bare conductor. Inspector was unable to determine if there were other cuts as there was Raychem added at end of outer jacketing. The damage 1/2" cut is located at the point of termination.

REPORTABLE	YES	NO
10CFR50.55(e)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10CFR21	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Reviewed by: [Signature]	Date: 2-10-82	DATE (9)

ITEM#

NAME AND SIGNATURE OF PERSON REPORTING NONCONFORMANCE (8)

F. J. Brown [Signature]

TITLE/COMPANY
Q. C. Supervisor

II. RECOMMENDED DISPOSITION (10) (Submit Sketch if Applicable)

Ebasco to review and resolve. Raychem heat shrink tubing was applied by field personnel without proper authorization. Recommend accept as is.

NAME AND SIGNATURE OF PERSON RECOMMENDING DISPOSITION (11)

TITLE/COMPANY

C.E.

P.Q.C.M.

DATE (12)

2-10-82

III. EVALUATION OF DISPOSITION BY EBASCO, REASON FOR DISPOSITION (13)

The repair of the white conductor of cable #30073A-SMB by application of Raychem heat shrinkable tubing is acceptable as is.

IV. CORRECTIVE ACTION (14) ☒ Required ☐ Not Required

One hold tag removed F J Brown 3/17/82

V. (15) <input type="checkbox"/> ENGINEERING	<input type="checkbox"/> QUALITY ASSURANCE	<input checked="" type="checkbox"/> CONSTRUCTION	<input type="checkbox"/> OTHER
NAME (SIGNATURE)	NAME (SIGNATURE)	NAME (SIGNATURE)	NAME (SIGNATURE)
TE	DATE	DATE W.T. McDonald, Jr. 3/9/82	DATE
<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED
<input type="checkbox"/> ACCEPTED WITH COMMENTS	<input type="checkbox"/> ACCEPTED WITH COMMENTS	<input type="checkbox"/> ACCEPTED WITH COMMENTS	<input type="checkbox"/> ACCEPTED WITH COMMENTS

VI. VERIFICATION OF DISPOSITION

☒ REQUIRED

☐ NOT REQUIRED (16)

(17) BY EBASCO QA SIGNATURE [Signature]

TITLE SCQA

DATE 2.13.82

FOIA-85-123 E/3

QUALITY ASSURANCE

NONCONFORMANCE REPORT

Distribution:
 White - PQAE or Site QA Supervisor
 Yellow - Organization recommending disposition
 Pink - Initiator of NCR

REPORT NO. (1) _____

INSTRUCTIONS: (See back of form)

CLIENT OR PROJECT (2) _____

DRAWING NO./SPEC NO. (3) _____

SUPPLIER, CONSTRUCTION QC OR CONTRACTOR (4) _____

P.O. NO. (5) _____

DESCRIPTION OF COMPONENT, PART OR SYSTEM (6) _____

I. DESCRIPTION OF NONCONFORMANCE (7) (Items Involved, Specification, Code or Standard to Which Items Do Not Comply, Submit Sketch if Applicable)

NAME AND SIGNATURE OF PERSON REPORTING NONCONFORMANCE (8) _____

TITLE/COMPANY _____

DATE (9) _____

II. RECOMMENDED DISPOSITION (10) (Submit Sketch if Applicable)

NAME AND SIGNATURE OF PERSON RECOMMENDING DISPOSITION (11) _____

TITLE/COMPANY _____

DATE (12) _____

III. EVALUATION OF DISPOSITION BY EBASCO, REASON FOR DISPOSITION (13)

IV. CORRECTIVE ACTION (14) ☐ Required ☐ Not Required

one hold cgc removed NOV 3-17-82

V. (15) <input type="checkbox"/> ENGINEERING	<input type="checkbox"/> QUALITY ASSURANCE	<input type="checkbox"/> CONSTRUCTION	<input type="checkbox"/> OTHER
NAME (SIGNATURE)	NAME (SIGNATURE)	NAME (SIGNATURE)	NAME (SIGNATURE)
TE	DATE	DATE	DATE
<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED
<input type="checkbox"/> ACCEPTED WITH COMMENTS	<input type="checkbox"/> ACCEPTED WITH COMMENTS	<input type="checkbox"/> ACCEPTED WITH COMMENTS	<input type="checkbox"/> ACCEPTED WITH COMMENTS

VI. VERIFICATION OF DISPOSITION

☐ REQUIRED☐ NOT REQUIRED (16)

(17) BY F&M QC
 EBASCO VENDOR QA OR QA
 ENGINEERING

SIGNATURE

Harold Helfrich

TITLE

Chief Insp I

DATE

3-17-82OK Brown 3-17-82

W3-3462

QUALITY ASSURANCE

NONCONFORMANCE REPORT

REPORT NO. (1) W3-795

Trend Code: 5000.00.77

SUS 64

INSTRUCTIONS: (See back of form)

Distribution:

White - PQAE or Site QA Supervisor

Yellow - Organization recommending disposition

Pink - Initiator of NCR

CLIENT OR PROJECT (2)

Waterford S.E.S. #3, Louisiana Power and Light Company

SUPPLIER, CONSTRUCTION QC OR CONTRACTOR (4)

Fischbach and Moore, Inc.

P.O. NO. (5)

NY 403536

DRAWING NO./SPEC NO. (3)

IR#159-71-567

CP307 R/6 Par. 6.2.4

QAP 303W3 Par. 5.4 R/1

DESCRIPTION OF COMPONENT, PART OR SYSTEM (6)

Cable #30073A-SMB

I. DESCRIPTION OF NONCONFORMANCE (7) (Items Involved, Specification, Code or Standard to Which Items Do Not Comply, Submit Sketch if Applicable)

Cable #30073A-SMB which is terminated at CP22-B has a cut in the insulation of it's white conductor approx. 1/2" long exposing bare conductor. Inspector was unable to determine if there were other cuts as there was Raychem added at end of outer jacketing. The damage 1/2" cut is located at the point of termination.

ITEM#

NAME AND SIGNATURE OF PERSON REPORTING NONCONFORMANCE (8)

F. J. Brown *F. J. Brown*

TITLE/COMPANY

Q. C. Supervisor

REPORTABLE

10CFR50.55(a)

YES

NO

10CFR21

Reviewed by: *[Signature]*Date: *2-10-82*ITEM# *176M0001*

II. RECOMMENDED DISPOSITION (10) (Submit Sketch if Applicable)

Ebasco to review and resolve. Raychem heat shrink tubing was applied by field personnel without proper authorization. Recommend accept as is.

NAME AND SIGNATURE OF PERSON RECOMMENDING DISPOSITION (11)

TITLE/COMPANY

C.E.

P.Q.C.M.

DATE (12)

2-10-82

III. EVALUATION OF DISPOSITION BY EBASCO, REASON FOR DISPOSITION (13)

The repair of the white conductor of cable #30073A-SMB by application of Raychem heat shrinkable tubing is acceptable as is.

IV. CORRECTIVE ACTION (14)



Required



Not Required

V. (15) ☐ ENGINEERING☐ QUALITY ASSURANCE☒ CONSTRUCTION☐ OTHER

NAME (SIGNATURE)

NAME (SIGNATURE)

NAME (SIGNATURE)

NAME (SIGNATURE)

TE

DATE

DATE W.T. McDonald, Jr.

DATE

☐ ACCEPTED ☐ REJECTED☐ ACCEPTED ☐ REJECTED☐ ACCEPTED ☐ REJECTED☐ ACCEPTED ☐ REJECTED☐ ACCEPTED WITH COMMENTS☐ ACCEPTED WITH COMMENTS☐ ACCEPTED WITH COMMENTS☐ ACCEPTED WITH COMMENTS

VI. VERIFICATION OF DISPOSITION

☒ REQUIRED☐ NOT REQUIRED (16)

(17) BY

F. J. Brown
EBASCO VENDOR QA OR QA
ENGINEERING

SIGNATURE

F. J. Brown

TITLE

Elect Eng I

DATE

3-17-82

As indicated, the Mercury Company failed to adhere to the requirements of the referenced procedure as identified below:

- 1) No hold tag affixed (Para. 5.2)
- 2) Failed to provide adequate requirements in the Recommended Disposition:

Failed to;

- A) Scribe/I.D. FW(s) 10 & 14 with the correct welders I.D. (Mercury #299)✓
- B) Add Mercury #285 to Form (197-2) for FW#10.✓
- C) Add Mercury #285 to Form (197-2) for FW#14.✓
- D) Remove scribe Mercury #349 from FW#14.✓

Noel B. Goodrich
Noel Goodrich

Ebasco QAE
May 17, 1983





SECTION OF FACTS AND DATA PERTAINING TO

Attachment #2 W3-6238
NONCONFORMANCE REPORT
Page 1 of 3

NONCONFORMANCE NO 3171
JOB NO NG9720
DATE 5-2-83
SHEET 1 OF 1

INSTR. NO. PS-CH-0224-Y
DWG. NO. 116B-L-001-R SH-2 OF 2 R

OCR 832 LOOP
OASNE III CLASS P2 SEISMIC

SN 53A BLOGRAB

2 DESCRIPTION OF NONCONFORMANCE FW14 ON LINE PS-CH-0224-Y HAS A WRITE OVER FOR WELDERS I.D. ON FORM 197-2. THE WELDERS I.D. ON FORM 197-2 FOR FINAL WELD APPEARS TO BE M-299. THERE IS NO FMWA FOR WELDER M-299 FOR THE APPLICABLE INSTRUMENT LINE BETWEEN THE FIT-UP DATE 10-29-81 AND THE FINAL DATE 11-5-81. UPON FIELD WALK-DOWN THE FIT-UP WELDERS I.D. M-285 AND M-349 WERE FOUND SCRIBED ADJACENT TO THE WELD. M-349 DID NOT QUALIFY UNTIL 8-17-82. FW10 HAS A WRITE-OVER OF M-299 ON FORM 197-2 FOR THE FINAL WELD. THERE IS NO FMWA AVAILABLE FOR M-299 FOR THE APPLICABLE LINE. THE ONLY I.D. SCRIBED ADJACENT TO WELD IS THE FIT-UP WELDER M-285.

3 ITEM PLACED ON HOLD YELLOW HOLD TAG NO N/A ATTACHED TO ITEM

INSPECTED BY K. Sweet DATE 5-2-83

4 RECOMMENDED DISPOSITION

- ☒ WELDER M-299 WAS REALIFIED AND
- ☒ REMOVED FROM THE OTHER
- ☒ WELDER ID ARE IN THE SAME DOCUMENT TO
- ☒ REJECT THE CORRECT WELDER ID = M-285

5 DISPOSITION REVIEW

ACCEPTED 5/6/83 DATE
REVIEWED ON AND 5-6-83 DATE

- ☐ ORANGE Conditional Release Tag No N/A ATTACHED TO ITEM
- ☐ RED Reject Tag No N/A ATTACHED TO ITEM

7 RECOMMENDED DISPOSITION COMPLETED

DISPOSITION

CLOSED PER THE RECOMMENDED

MERCURY Q/A
RECORD COPY

DISTRIBUTION	LINE	UP	PM	NO	PUNCH	FIELD	NO	NO	NO
CAR REP									
VON REP									
NOI OF DISPOSITION									
OTHER									

CORRECTIVE ACTION REQUEST (CAR) ISSUED
☐ YES ☒ NO CAR NO N/A
VENDOR DEFICIENCY NOTICE (VDN) ISSUED
☐ YES ☒ NO VDN NO N/A

80 REMARKS FW14, WELDER M-349 DID NOT EXIST WITHIN THE SITE
AT THE TIME OF THE WORK. WELDER M-285 DID THE FIT-UP
AND WELDER M-299 DID THE FINAL. ATTACHED INITIAL
SUPPORT SAME. CLOKE THIS NCR

Attachment #2 W3-6230
Page 2 of 3

SERIAL NO. 14346

MERCURY CO. OF NORWOOD

P.O. Box 782
Killona, LA 70066

COPY

FILLER METAL WITHDRAWAL AUTHORIZATION

SYSTEM 53A DWG. NO. 168-L-001-A
OCR NO. 832 WELD PROC. D
WORK UNIT/INSTRUMENT NO. PS-CH-0224-X Y228 5/1/83
WELDER'S NAME J. BRYANT STAMP NO. M-299
AUTHORIZED SIGNATURE Paul Guillory DATE 10-29-81

FILLER MATERIALS ISSUED:

QUANTITY 12 pcs TYPE ER316 SIZE 1/16
LOT AND HEAT NO. 762549
ISSUED BY C. H. H. H. DATE 10-29-81

FILLER MATERIALS RETURNED:

QUANTITY 5 TYPE ER316 SIZE 1/16
LOT AND HEAT NO. 762549
CHECKED BY C. H. H. H. DATE 10-29-81

MERCURY Q/A
RECORD COPY

MERCURY Q/A
RECORD COPY
REVIEW / 10-29-81



KL/T/NOV 40

Attachment #2 W3-6238

Page 3 of 3

SERIAL NO.

14344

MERCURY CO. OF NORWOOD

P.O. Box 782
Killona, LA 70066

COPY

FILLER METAL WITHDRAWAL AUTHORIZATION

SYSTEM 53A DWG. NO. 168-L-001-A
OCR NO. 832 WELD PROC. D
WORK UNIT/INSTRUMENT NO. PS-CH-0224Z
WELDER'S NAME H-Tabor STAMP NO. M-285
AUTHORIZED SIGNATURE Paul Guillory DATE 10-29-81

FILLER MATERIALS ISSUED:

QUANTITY 12 pcs TYPE ER-316 SIZE 1/16
LOT AND HEAT NO. 762549
ISSUED BY C. K. Hunt DATE 10-29-81

FILLER MATERIALS RETURNED:

QUANTITY 3 TYPE ER 316 SIZE 1/16
LOT AND HEAT NO. 762549
CHECKED BY C. K. Hunt DATE 10-29-81

MERCURY Q/A
RECORD COPY

MERCURY
RECORD COPY

Q. C. REVIEW 10/29/81



ATTACHMENT # 3Page 1 of 1NONCONFORMANCE REPORT W3-6238

EVALUATION OF DISPOSITION - EBASCO QUALITY ASSURANCE

Concur with recommended disposition - provide the following

- ① Document training with copies of training records.
- ② Verification I.D. scribed on FW #10 & 14
- ③ Verification of removal of scribed (N) #349 From FW #14
- ④ Copies of Form 197-2 for FW #10 & #14 with corrections

Copies of the following documents shall be returned with this Nonconformance Report to Ebasco Quality Assurance to verify corrective action taken. This shall also include any additional documents generated as required by the Quality Assurance Program and attendant procedures. The following documents have been requested by Ebasco Quality Assurance:

<u>PT/RT/UT</u> Report Nos. _____	Procedure Nos. _____
<u>PCS/Traveler</u> Nos. _____	Drawing Nos. _____
<u>DCN/FCR</u> Nos. _____	Sketch Nos. _____
<u>Inspection Report</u> Nos. _____	_____
<u>Test Report</u> Nos. _____	_____
<u>Calibration Report</u> Nos. _____	_____

L.W. JAGGER
Name and Signature

PQA 9
Title

5-26-83
Date

EBASCO

Interoffice Correspondence

DATE May 27, 1983

FILE REF. W3NCR- 16149

TO L. Gelbert

OFFICE LOCATION

Mercury Co. of Norwood, Inc.
Killona, LA. 70066-70

FROM

H.J. Kuhis, Jr.

OFFICE LOCATION

Q.A. Site Supervisor

SUBJECT LOUISIANA POWER & LIGHT COMPANY
WATERFORD STEAM ELECTRIC STATION
1983-1165 MW INSTALLATION - UNIT NO. 3
NONCONFORMANCE REPORT

The following evaluated Nonconformance Report is herewith transmitted for your action, verification of disposition and identification of the corrective action taken. Please return the completed pink copy of Form 6009-11 when corrective action has been completed, recorded and verified. CORRECTIVE ACTION IS TO BE RECORDED ON THE PINK COPY IN INDELIBLE FINE TIP BLACK INK. If verification of corrective action is expected to exceed 20 working days from the date of this transmittal, a written request for extension must be submitted to the Ebasco Quality Assurance Department for approval.

W3-6238

*MERCURY IS RETURNING THIS NCR
BY PASS OF EBASCO AND, THIS
IS A CLASS P2 SYSTEM.*

W3NCR MERCURY QAE

*RETURNED TO EBASCO
6-3-83*

HK:gmf

Attachment

cc: (w/attachment)

T.F. Gerrets

L.L. Bass

Ebasco Site Engr. File

W3NCR File

QAS File

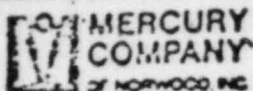
D. Findley

J. Woodhouse

A. Kutowy

M. Hogg





Subsidiary of Packard and Moore Incorporated

QC NONCONFORMANCE REPORT

NONCONFORMANCE NO 3449
JOB NO N43720
DATE 6-18-83
SHEET 1 OF 3

1. INITIATOR SHALL PREPARE THIS REPORT AS REQUIRED FOR NONCONFORMING MATERIAL ASSEMBLY INSPECTION OR TEST
INSTR. NO. PC-CH-0224Y OCR 832 LOOP SSA S/U 53A BLDG RCB
DWG. NO. 168-L-001-A ASME III CLASS P2 SEISMIC I

2. DESCRIPTION OF NONCONFORMANCE See Attachment "A" of 3 pages, Attachment "B" of 10 pages, Attachment "C" of 6 pages.

3. ITEM PLACED ON HOLD YELLOW HOLD TAG No _____ attached to item

Initiated by Handed

Date 6-18-83

4. RECOMMENDED DISPOSITION

- ☐ Use As Is 1. HCL. 06 M-285 AT PW#9 2. SCRT 06 M-294
☐ Repair or Rework AT PW#10 3. FOR ALL REMAINING WELDS
☐ Reject, Scrap ACCEPT AS-IS 4. SEE ATTACHMENT A
☐ Reject, Return to Vendor PAGE 3 OF 3 OF THIS NCR.

5. DISPOSITION REVIEW

☒ Approved ☐ Denied

Accepted [Signature] Date 6/21/83
Reviewed [Signature] Date 6-21-83

☐ ORANGE Conditional Release Tag No N/A attached to item.

☐ RED Reject Tag No N/A attached to item.

7. RECOMMENDED DISPOSITION COMPLETED DISPOSITION CLOSED PER ATTACHED FORM 211

MOC [Signature] Date 6-22-83

DISTRIBUTION	ORG	QA	VP	PM	INT	ARCH	FIELD	SHOP	MOC
CAR RESP									
VON RESP									
NOT INFORMATION									
OTHER									

8. CORRECTIVE ACTION REQUEST (CAR) ISSUED

☐ YES ☒ NO CAR No _____

CA No [Signature] Date 6/22/83

VENDOR DEFICIENCY NOTICE (VDN) ISSUED

☐ YES ☒ NO VDN No _____

CA No [Signature] Date 6/22/83

10. REMARKS

MERCURY Q/A
RECORD COPY

COPY
JUN 24 1983

INSTR. PS-CH-0224Y
DWG 168-L-001-A

OCR 832
Sheet 2 of 2

SU 53A

NCR 3171 was written to clear a documentation problem found in the field which did not agree with the information on the weld data cards. It was dispositioned to accept as-is and was closed. Review of the final acceptance of the documentation would not accept the disposition and closure as such.

Ebasco generated W3-6238, as a solution, which required addition of missing scribe identification as per the data information and removal of some information which was scribed on some of the welds. This solution was also not acceptable, in the opinion of the reviewers.

It is the purpose of this NCR to close both of the prior documents and satisfy the data information from field verification, historical FMWA's, and the PT Reports existing in the document package.

PC-CH-0224Y

WELD DATA REPORT

	<u>Fit-Up</u>	<u>Date</u>	<u>Final</u>	<u>Date</u>
FW9	M-285	11-6-81	M-285	11-9-81*
FW10	M-285	10-29-81	M-299	11-5-81*
FW11	M-285	10-29-81	M-299	11-5-81*
FW12	M-285	10-29-81	M-299	11-5-81*
FW13	M-285	10-29-81	M-299	11-5-81*
FW14	M-285	10-29-81	M-299	11-5-81*
FW18	M-285	11-6-81	M-285	11-9-81*
FW11R	No Metal Added	PT Report 14101	10-27-82	Accept
FW13R	No Metal Added	PT Report 14101	10-27-82	Accept
FW14R	M51 10-24-82	PT Report 14102		Reject
FW14R1	No Metal Added	PT Report 14112	10-28-82	Accept
FW18R	No Metal Added	PT Report 14101	10-27-82	Accept

*All accepted on PT Report 11204 6/1/82.

Field Verification

FW9
FW10
FW11R
FW12
FW13R
FW14R1
FW18R

Scribe Marks

No ID found.

M-285
M-285 M-299 M-349
M-299 M-285 M-349
M-285 M-299 M-349
M-285 M-299 M-349
M-285 M-299 M-349

MERCURY Q/A
RECORD COPY

COPY

		FMVA's		
32451	M-51	HT762549	PS-CH-0224Y	10-24-82
14346	M-299	HT762549	PS-CH-0224Y	10-29-81
14344	M-285	HT762549	PSY-CH-0224Z	10-29-81
15472	M-285	HT762549	PSY-CH-0224Z	11-05-81
15483	M-285	HT762549	PSY-CH-0224Y	11-06-81
15810	M-285	HT762549	PSY-CH-0224Z	11-09-81
32245	M-349	HT762549	PSY-CH-0224X-Y-Z	10-19-82

From the information available we know that many of these welds were either welded in excess, or that they were under documented thru confusion of the welder who marked them, or thru lack of attention of the inspection personnel. By comparison of the information it is conclusive that all the welding was accomplished prior to the PT Reports being made and since all the welds were accepted I would recommend the following disposition:

1. FW-9 Scribe M-285
2. FW-10 Scribe M-299
3. For all the remaining welds, accept as-is.

Although M-51 did a weld build-up, it was documented but not scribed. It is doubtful that M-349 did all the welding he has scribed with two sticks of weld metal, but the fact that the welds were all PT's and accepted should satisfy the situation. Normally a CAR would be issued to caution about getting carried away with the etching tool, and the inspector who has departed from the project was too inattentive to properly document the work. This late in the project it is felt that the CAR would be an added expense without merit.

MERCURY Q/A
RECORD COPY

COPY

Attachment # "B"

NCR 3449

SHEET 1 OF 10 SERIAL NO.

14344

MERCURY CO. OF NORWOOD

P.O. Box 782
Killona, LA 70066

COPY

FILLER METAL WITHDRAWAL AUTHORIZATION

SYSTEM 53A DWG. NO. 168-L-001-A
OCR NO. 832 WELD PROC. D
WORK UNIT/INSTRUMENT NO. PS-CH-0224Z
WELDER'S NAME H-Tabor STAMP NO. M-285
AUTHORIZED SIGNATURE Paul Guillory DATE 10-29-81

FILLER MATERIALS ISSUED:

QUANTITY 12 pcs TYPE ER-316 SIZE 1/16
LOT AND HEAT NO. 762549
ISSUED BY C. K. H. H. DATE 10-29-81

COPY

MERCURY Q/A
RECORD COPY

FILLER MATERIALS RETURNED:

QUANTITY 1 TYPE ER-316 SIZE 1/16
LOT AND HEAT NO. 762549
CHECKED BY C. K. H. H. DATE 10-29-81

MERCURY Q/A
RECORD COPY

COPY
O. C. REVIEW 10/29/81
MAY 17 1983

Attachment - "B"

SERIAL NO. 14346

SHEET 2 of 10

NCR 3449

MERCURY CO. OF NORWOOD

P.O. Box 782
Killona, LA 70066

COPY

FILLER METAL WITHDRAWAL AUTHORIZATION

SYSTEM 53A DWG. NO. 168-L-001-A
OCR NO. 839 WELD PROC. D
WORK UNIT/INSTRUMENT NO. PS-CH-0224X Y808 5/1/83
WELDER'S NAME J. BRYANT STAMP NO. M-299
AUTHORIZED SIGNATURE Paul Dailley DATE 10-29-81

FILLER MATERIALS ISSUED:

QUANTITY 18 pcs TYPE ER316 SIZE 1/16
LOT AND HEAT NO. 762549
ISSUED BY C. K. K. K. DATE 10-29-81

FILLER MATERIALS RETURNED:

QUANTITY 5 TYPE ER316 SIZE 1/16
LOT AND HEAT NO. 762549
CHECKED BY C. K. K. K. DATE 10-29-81

MERCURY Q/A
RECORD COPY
MERCURY Q/A
RECORD COPY

MERCURY Q/A
RECORD COPY
REVIEW 10/29/81

COPY

10/29/81

ATTACHMENT

SERIAL NO.

15472

"B"

SHEET 3 of 10

NCR 3449

MERCURY CO. OF NORWOOD

P.O. Box 782
Killona, LA 70066

COPY

FILLER METAL WITHDRAWAL AUTHORIZATION

SYSTEM

53A

DWG. NO.

168-L-001-A

OCR NO.

832

WELD PROC.

D

WORK UNIT/INSTRUMENT NO.

PS-CH-0224Z

WELDER'S NAME

H-Tabor

STAMP NO.

M-285

AUTHORIZED SIGNATURE

J. Guillory

DATE

11-5-81

FILLER MATERIALS ISSUED:

QUANTITY

15 pcs

TYPE

ER-316

SIZE

1/16

LOT AND HEAT NO.

762549

ISSUED BY

R. MARAII

DATE

11-5-81

FILLER MATERIALS RETURNED:

QUANTITY

15

TYPE

ER316

SIZE

1/16

LOT AND HEAT NO.

762549

CHECKED BY

R. MARAII

DATE

11-5-81

MERCURY Q/A
RECORD COPY
MERCURY Q/A
RECORD COPYCOPY
Q.C. REVIEW 11-5-81

NCR 3449

ATTACHMENT

SERIAL N

15483

"B"
SHEET 4 OF 10MERCURY CO. OF NORWOOD
P.O. Box 782
Killona, LA 70066

COPY

FILLER METAL WITHDRAWAL AUTHORIZATION

SYSTEM 53A DWG. NO. 168-L-001-A
OCR NO. 832 WELD PROC. D
WORK UNIT/INSTRUMENT NO. PS-CH-0224Y
WELDER'S NAME H-TABOR STAMP NO. M-285
AUTHORIZED SIGNATURE Paul Guillory DATE 11-6-81

FILLER MATERIALS ISSUED:

QUANTITY 10 pcs TYPE ER-316 SIZE 1/16
LOT AND HEAT NO. 762549
ISSUED BY _____ DATE 11-6-81

FILLER MATERIALS RETURNED:

QUANTITY 8 TYPE ER-316 SIZE 1/16
LOT AND HEAT NO. 762549
CHECKED BY Bennie King DATE 11-6-81

MERCURY CO.
MERCURY Q/A
RECORD COPY

COPY

M. Q. C. REVIEW

11-6-81

ATTACHMENT
"B"
SHEET 5 of 10

SERIAL NO.

NCR 3449

MERCURY CO. OF NORWOOD
P.O. Box 782
Killona, LA 70066

COPY

FILLER METAL WITHDRAWAL AUTHORIZATION

SYSTEM 53A DWG. NO. 168-L-001-A
OCR NO. 832 WELD PROC. D
WORK UNIT/INSTRUMENT NO. PS-CH-0224Z
WELDER'S NAME H-TABOR STAMP NO. M-285
AUTHORIZED SIGNATURE Paul Guillory DATE 11-9-81

FILLER MATERIALS ISSUED:

QUANTITY 15 pcs TYPE ER-316 SIZE 1/16
LOT AND HEAT NO. 762549
ISSUED BY C. K. Kline DATE 11-9-81

FILLER MATERIALS RETURNED:

QUANTITY 9 TYPE ER 316 SIZE 1/16
LOT AND HEAT NO. 762549
CHECKED BY C. K. Kline DATE 11-9-81

MERCURY Q/A
RECORD COPY

11/9/81
M. O. C. REVIEW [Signature]

COPY

MERCURY Q/A
RECORD COPY

ATTACHMENT
"B"

SHEET 6 of 10

SERIAL NO.

32245

NCR 3449

MERCURY CO. OF NORWOOD

P.O. Box 782
Killona, LA 70066

FILLER METAL WITHDRAWAL AUTHORIZATION

SYSTEM 53A DWG. NO. 168-L-001-A
OCR NO. 832 WELD PROC. D²-12
WORK UNIT/INSTRUMENT NO. PS-CH-0224X, 0224Y & 0224Z
WELDER'S NAME R. LUTER STAMP NO. M-349 ✓
AUTHORIZED SIGNATURE John Pollard DATE 10-19-82

FILLER MATERIALS ISSUED:

QUANTITY 8 pcs. TYPE ER-316 SIZE 1/16
LOT AND HEAT NO. 762549
ISSUED BY R. MARAHO DATE 10-19-82

FILLER MATERIALS RETURNED:

QUANTITY 6 TYPE ER316 SIZE 1/16
LOT AND HEAT NO. 762549
CHECKED BY C. K. H. H. DATE 10-19-82

MERCURY Q/A
RECORD COPY
MERCURY Q/A
RECORD COPY

M. Q. A. REVIEW 10/19/82
COPY

ATTACHMENT
"B"
SHEET 7 of 10

SERIAL NO. 32451
NCR 3449

MERCURY CO. OF NORWOOD
P.O. Box 782
Killona, LA 70066

FILLER METAL WITHDRAWAL AUTHORIZATION

SYSTEM 53A DWG. NO. 168-L-001-A
OCR NO. P32 WELD PROC. DA 12
WORK UNIT/INSTRUMENT NO. PS-CH-02244
WELDER'S NAME C. Williams STAMP NO. M-51
AUTHORIZED SIGNATURE John J. Lopez DATE 10/24/82

FILLER MATERIALS ISSUED:

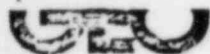
QUANTITY 8pc TYPE ER-316 SIZE 1/16"
LOT AND HEAT NO. 762549
ISSUED BY R. MARA110 DATE 10-24-82

FILLER MATERIALS RETURNED:

QUANTITY 7PCS. TYPE ER 316 SIZE 1/16"
LOT AND HEAT NO. 762549
CHECKED BY R. Marallo 10/27/82 DATE 10-24-82

MERCURY Q/A
RECORD COPY

COPY
M.O. REVIEW K
10-24-82



Construction Testing

ATTACHMENT
"B"

SHEET 8 OF 10

San Leandro Office 2508 Davis Street, San Leandro, CA 94577, (415) 562-7500

NCR 3449
OCR-83=
Request #2

CERTIFIED REPORT of NONDESTRUCTIVE EXAMINATION Q.C. SCOTT

CUSTOMER BRASCO SERVICES INC (MERCURY)		DATE 6-1-82	
ADDRESS PO BOX 70 Killona, LA.		CONTROL NO. OR REPORT NO. GEOPT 11204	
JOB OR PROJECT LOCATION WATERFORD III		PO NO. 11/3 NY-26	PLAN OR DWG NO. 168-L-001A
SURFACE CONDITION AS WELDED	HEAT NO. N/A	HEAT TREAT BEFORE <input type="checkbox"/> AFTER <input type="checkbox"/>	TEMP OF MAT. 78°F
TYPE OF EXAMINATION UT <input type="checkbox"/> MT <input type="checkbox"/> PT <input checked="" type="checkbox"/>	EXAMINATION STANDARD ASME SEC. II NC 5000.5-76 PARA 8.6.3.4	ACCEPTANCE STANDARD 3.23.A.1 REV 1903	N.D.T. PROCEDURE NO. ASME SEC. II NC 5000.5-76 PARA 8.6.3.4

EQUIPMENT N/A	TRANSDUCER	TEST BLOCK	METHOD USED	SCANNING METHOD	SENSITIVITY LEVEL N/A
MAGNETIC PARTICLE EXAMINATION					
EQUIPMENT N/A	VISIBLE <input type="checkbox"/>	AC <input type="checkbox"/> DC <input type="checkbox"/>	AMPERAGE	PROD. SPACING	PARTICLE COLOR N/A
	FLUORESCENT <input type="checkbox"/>	RECTIFIED <input type="checkbox"/>		HEAD <input type="checkbox"/> COIL <input type="checkbox"/>	

LIQUID PENETRANT EXAMINATION												
METHOD SOL.	PENETRANT		CLEANER		EMULSIFIER		DEVELOPER					
VIS. REMOVAL SKL H5	BRAND NO. 516077	BATCH NO. 100	DWELL TIME 10 MIN	BRAND NO. 516077	BATCH NO. 100	BRAND NO. 516077	BATCH NO. 100	EMULS. TIME 5 MIN	BRAND NO. 516077	BATCH NO. 100	DEV. TIME 7 MIN	DRY <input type="checkbox"/> WET <input checked="" type="checkbox"/>
TOTAL LENGTH EXAMINED 10090		TYPE OF WORK NEW		NO. OF ITEMS ACCEPTED 13		NO. OF ITEMS REJECTED 0						

C - Cracks				P - Porosity				NF - Non-Fusion				LI - Linear Indication				S - Slag				LA - Lamination				OTHER - Specify			
PC # OR SN #	ACC	REJ	DEFECT CODE	REMARKS	PC # OR SN #	ACC	REJ	DEFECT CODE	REMARKS	PC # OR SN #	ACC	REJ	DEFECT CODE	REMARKS	PC # OR SN #	ACC	REJ	DEFECT CODE	REMARKS	PC # OR SN #	ACC	REJ	DEFECT CODE	REMARKS			
FW-1	✓			NAD	FW-18	✓			NAD																		
FW-5	✓			NAD	FW-19	✓			NAD																		
FW-6	✓			NAD																							
FW-9	✓			NAD																							
FW-10	✓			NAD																							
FW-11	✓			NAD																							
FW-12	✓			NAD																							
FW-13	✓			NAD																							
FW-14	✓			NAD																							
FW-16	✓			NAD																							
FW-17	✓			NAD																							

M.Q.C. REVIEW

6/2/82

COPY

M.Q.C. REVIEWED **5/2/82**

COPY

COPY

AM _____ PM _____
IN _____ OUT _____
MERCURY Q/A
RECORD COPY
Total Hours _____ Total Mileage _____

Technician **Norman Tuma** SNT-TC-1A
Asst. Technician **MA**
Customer **N/A**
Witnessed by **N/A**
ENCLOSURE ADDED ☒
SIGNATURE _____
Page **1** of **1**



ATTACHMENT

ATTACHMENT

"B"

SHEET 9 of 10

CA 94404, (415) 573-6000

16000
P/CR 345/9

SYST-53-A

REG-1694

ССР^д - 832

CERTIFIED REPORT of NONDESTRUCTIVE EXAMINATION *QC - 1217R*

M. Q. C. REVIEW 10-27-72

~~MERCURY Q/A
RECORD COPY~~

Technician

Ass: Technician

Customer

Witnessed by

ENCLOSURE ADDED
Yes ☐ No ☒

© 2002

GEO CONSTRUCTION TESTING

assumes no responsibility for losses of any kind due to interpretation

Construction Testing

ATTACHMENT
"B"
SHEET 10 of 10

SYSTEM — 53A
REQ. — 1697
CCR# — 832

CERTIFIED REPORT of NONDESTRUCTIVE EXAMINATION

QC-ROBERT TULL

CUSTOMER EBASCO SERVICES INC. (MERCURY)		DATE 10-27-82
ADDRESS PO BOX 70, KILLCNA La.		CONTROL NO. OR REPORT NO. GEO-PT-14112
JOB OR PROJECT LOCATION WATERFORD III	P.O. NO. W3-NY-26	PLAN OR DWG. NO. 168-L-CC1-A R6
SURFACE CONDITION AS WELDED	HEAT NO. N/A	TYPE OF MATERIAL S/S
TYPE OF EXAMINATION UT <input type="checkbox"/> WT <input type="checkbox"/> PT <input checked="" type="checkbox"/>	EXAMINATION STANDARD S-76 ASME SEC. III NC 5000 PARA 86.3 CF	TEMP. OF MAT. 72°F
ACCEPTANCE STANDARD 3.23.A.1 REV 1963		N.D.T. PROCEDURE NO. AMEND 1-4

ULTRASONIC EXAMINATION					
EQUIPMENT	TRANSDUCER	TEST BLOCK	METHOD USED	SCANNING METHOD	SENSITIVITY LEVEL
N/A					

MAGNETIC PARTICLE EXAMINATION							
EQUIPMENT	DRY	VISIBLE	AC	DC	AMPERAGE	PROD. SPACING	PARTICLES - COLOR
N/A							

LIQUID PENETRANT EXAMINATION											
METHOD DYE	PENETRANT		CLEANER		EMULSIFIER		DEVELOPER				
SC-RE	BRAND NO.	BATCH NO.	OWELL TIME	BRAND NO.	BATCH NO.	BRAND NO.	BATCH NO.	DEV. TIME	DRY	NON	
SKL-HS 81111			10 MIN	SKC-NF82HCL		N/A		7 MIN	WET	3	QUEOUS I
TOTAL LENGTH EXAMINED			TYPE OF WORK			NO. OF ITEMS ACCEPTED			NO. OF ITEMS REJECTED		
LINE-PS-CH-6224 Y			TUBE 1/2" CD 100% REQ.			1			0		

TYPE OF DEFECTS CODE											
C - Cracks	P - Porosity	NF - Non-Fusion	LI - Linear Indication	S - Slag	LA - Lamination	OTHER - Specify					
PC# OR SN#	ACC	REJ	DEFECT CODE	REMARKS	PC# OR SN#	ACC	REJ	DEFECT CODE	REMARKS		
F11 14 R-1			P	(2) 1/2" Round IND. AT 8:00 CLK LACKING NEXT							

COPY

M. Q. C. REVIEW

10-29-82

Technician Gerald Harris	SNT-TC 1A Level II
Asst. Technician	
Customer	
Witnessed by	
ENCLOSURE ADDED Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Page 1 of 1	

**MERCURY Q/A
RECORD COPY**

GEO CONSTRUCTION TESTING
Assumes no responsibility for losses of any kind due to interpretation

9009-11/5-77

EBASCO SERVICES INCORPORATED

QUALITY ASSURANCE

NONCONFORMANCE REPORT

Distribution:

White - PQAE or Site QA Supervisor

Yellow - Organization recommending disposition

Pink - Initiator of NCR

REPORT NO. W3-6238

INSTRUCTIONS: (See back of form) Trend Code: 6000.00.60

SUS #53

CLIENT OR PROJECT (2)

DRAWING NO./SPEC NO. (3)

Louisiana Power & Light

SUPPLIER, CONSTRUCTION QC OR CONTRACTOR (4)

P.O. NO. (8)

Mercury Co. OF Norwood, Inc.

W3-NY-15

SP.664, Rev. 2

DESCRIPTION OF COMPONENT, PART OR SYSTEM (6)

SUS 53A, Mercury NCR #3171

I. DESCRIPTION OF NONCONFORMANCE (7) (Items Involved, Specification, Code or Standard to Which Items Do Not Comply, Submit Sketch if Applicable)

See attachment #1 for description of nonconformance.

REPORTABLE	YES	NO
10CFR50.55a	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10CFR21	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Reviewed by: gja Date: 5/29/83		

Item: 0001

NAME AND SIGNATURE OF PERSON REPORTING NONCONFORMANCE (8)

TITLE/COMPANY

DATE (9)

H. Kunis Jr./N. Goodrich

OAE/EBASCO

5/17/83

II. RECOMMENDED DISPOSITION (10) (Submit Sketch if Applicable)

1) Retrain responsible person(s) via a documented training session I.A.W. the requirements of the referenced procedure.

2) Perform Corrective Action as stipulated in Sec. I, Part 2 A,B,C & D of this document.

MERCURY Q/A
RECORD COPY

NAME AND SIGNATURE OF PERSON RECOMMENDING DISPOSITION (11)

TITLE/COMPANY

DATE (12)

H. Kunis Jr./N. Goodrich

OAE/EBASCO

5/17/83

III. EVALUATION OF DISPOSITION BY EBASCO, REASON FOR DISPOSITION (13)

concur with shown disposition

Refer to attachment #3 for documents required to close NCR of 5-26-83

Concur with Disposition

COPY

IV. CORRECTIVE ACTION (14)

☒ Required☐ Not Required

V. ENGINEERING

☒ QUALITY ASSURANCE☒ CONSTRUCTION☐ OTHER

NAME (SIGNATURE)

NAME (SIGNATURE)

NAME (SIGNATURE)

NAME (SIGNATURE)

DATE 5-24-83

DATE 5-26-83

DATE 5/20/83

DATE

☒ ACCEPTED ☐ REJECTED☐ ACCEPTED ☐ REJECTED☒ ACCEPTED ☐ REJECTED☐ ACCEPTED ☐ REJECTED☐ ACCEPTED WITH COMMENTS☒ ACCEPTED WITH COMMENTS☐ ACCEPTED WITH COMMENTS☐ ACCEPTED WITH COMMENTS

VI. VERIFICATION OF DISPOSITION

☒ Required☐ NOT REQUIRED (16)

(17) BY

EBASCO VENDOR QA OR QA ENGINEERING

SIGNATURE

TITLE

DATE

As indicated, the Mercury Company failed to adhere to the requirements of the referenced procedure as identified below:

- 1) No hold tag affixed (Para. 5.2)
- 2) Failed to provide adequate requirements in the Recommended Disposition:

Failed to;

- A) Scribe/I.D. FW(s) 10 & 14 with the correct welders I.D. (Mercury #299)
- B) Add Mercury #285 to Form (197-2) for FW#10.
- C) Add Mercury #285 to Form (197-2) for FW#14.
- D) Remove scribe Mercury #349 from FW#14.

Noel B. Goodrich
Noel Goodrich

Ebasco QAE
May 17, 1983

MERCURY Q/A
RECORD COPY

COPY

COPY



ONCOMS ORMANCE NO 3171

QC NONCONFORMANCE REPORT.

JOB NO NG5720

DATE 5-2-83

SHEET 1 OF 1

Page 1 of 12/11/03

MERCURY COMPANY
OF NORWOOD, MA.

Synthesis of "Factor" and Mann Polymerized

INSPECTOR SHALL PREPARE THIS REPORT AS REQUIRED FOR NONCONFORMING MATERIAL ASSEMBLY REJECTION OR TEST

INSTR. NO. PS-CH-9224-Y

OCR 83Z LOOP

SU 53A BLDGRAB

INSTR. NO. PS-CH-0224-Y CH 0224 CONF
DWG. NO. 168-L-001-R 3H-20F2R 0ASME III CLASS P2 SEISMIC

2 DESCRIPTION OF NONCONFORMANCE: FW 14 ON LINE PS-CH-0224-Y HAS A WRITE OVER FOR WELDERS I.D. ON FORM 197-2. THE WELDERS I.D. ON FORM 197-2 FOR FINAL WELD APPEARS TO BE M-299. THERE IS NO FMWA FOR WELDER M-299 FOR THE APPLICABLE INSTRUMENT LINE BETWEEN THE FIT-UP DATE 10-29-81 AND THE FINAL DATE 11-5-81. UPON FIELD WALK-DOWN THE FIT-UP WELDERS I.D. M-285 AND M-349 WERE FOUND SCRIBED ADJACENT TO THE WELD. M-349 DID NOT QUALIFY UNTIL 8-17-82. FW 10 HAS A WRITE-OVER OF M-299 ON FORM 197-2 FOR THE FINAL WELD. THERE IS NO FMWA AVAILABLE FOR M-299 FOR THE APPLICABLE LINE. THE ONLY I.D. SCRIBED ADJACENT TO WELD IS THE FIT-UP WELDER M-285.

3 ITEM PLACED ON HOLD YELLOW HOLD TAG NO 7-11-68

Insured by K. Sweet Date 5-2-82 MS 5-3-83
5-3-83

4. RECOMMENDED DISPOSITION

ONCE WELDER M-295 WAS REALIZED AND
 THE REPORTED WORK ON THE OTHER
 SLEUTER ID IN THE VICTIM'S. LITTLE DREAMT TO
 REFLECT THE CORRECT WELDER ID = M-285
 AT 395

DISPOSITION REVIEW

☒ 100-000000 ☒ 100-000000 ☒ 100-000000

☐ ORANGE Conditional Release Tag No. 111 attached to item.

Accepted L. J. Miller AM 5/6/83 Date
Reviewed One AM 5-6-83 Date

☐ RED Reject Tag No. 114 attached to item

7. RECOMMENDED DISPOSITION COMPLETED

DISPOSITION, MERCURY Q/A
MERCURY Q/A RECORD COPY

THE ATTORNEY
 C.A. [unclear]
 [unclear]
 [unclear]
 [unclear]

COPY
 [unclear]
 [unclear]
 [unclear]
 [unclear]

FIELD
 [unclear]
 [unclear]
 [unclear]
 [unclear]

SHOP
 [unclear]
 [unclear]
 [unclear]
 [unclear]

DIRECT
 [unclear]
 [unclear]
 [unclear]
 [unclear]

MAY 17
 1963

CORRECTIVE ACTION REQUEST (CAR) ISSUED

☐ YES ☒ NO CAR NO 16/10
DATE 5/6/83

VENDOR DEFICIENCY NOTICE (VDN) ISSUED

☐ YES ☒ NO VIN NO N/A

NO REMARKS 5/6/83. 2/16/82 CR M-349 DID NOT EXIST ON THIS VERIFICATION AT THE TIME OF THE WORK. W/82 CR M-285 DID NOT EXIST AND W/82 CR M-299 DID THE FINAL ATTACHED PHOTOGRAPH SUPPORT SAME. CLOKE THIS NCR C. D. Lee 5/6/83

ATTACHMENT # 3

Page 1 of 1

NONCONFORMANCE REPORT W3-6238

EVALUATION OF DISPOSITION - EBASCO QUALITY ASSURANCE

Concur with recommended disposition - provide the following

- ① Document training with copies of training records.
- ② Verification I.D. scribed on FW #10 & 14
- ③ Verification of removal of scribed @ #349 from FW #14
- ④ Copies of Form 197-2 for FW #10 & #14 with corrections

Copies of the following documents shall be returned with this Nonconformance Report to Ebasco Quality Assurance to verify corrective action taken. This shall also include any additional documents generated as required by the Quality Assurance Program and attendant procedures. The following documents have been requested by Ebasco Quality Assurance:

___ PT/RT/UT	Report Nos. ___	___ Procedure Nos. ___
___ PCS/Traveler Nos. ___		___ Drawing Nos. ___
___ DCN/FCR Nos. ___		___ Sketch Nos. ___
___ Inspection Report Nos. ___		
___ Test Report Nos. ___		
___ Calibration Report Nos. ___		

COPY

COPY

L.N. JACGER
Name and Signature

PQA-2
Title

5-26-83
Date

COPY

MERCURY Q/A
RECORD COPY

NCR 3449

ATTACHMENT "C" SHEETS

Attachment #2 W3-6238

Page 3 of 3

SERIAL NO.

14344

MERCURY CO. OF NORWOOD

P.O. Box 782
Killona, LA 70066

COPY

FILLER METAL WITHDRAWAL AUTHORIZATION

SYSTEM 53A DWG. NO. 168-L-001-A
OCR NO. 832 WELD PROC. D
WORK UNIT/INSTRUMENT NO. PS-CH-02242
WELDER'S NAME H-Tabor STAMP NO. M-285
AUTHORIZED SIGNATURE Paul Guillory DATE 10-29-81

FILLER MATERIALS ISSUED:

QUANTITY 12 pcs TYPE ER-316 SIZE 1/16
LOT AND HEAT NO. 762549
ISSUED BY C. K. K. K. DATE 10-29-81

FILLER MATERIALS RETURNED:

QUANTITY 1 TYPE ER 316 SIZE 1/16
LOT AND HEAT NO. 762549
CHECKED BY C. K. K. K. DATE 10-29-81

MERCURY Q/A
RECORD COPYMERCURY Q/A
RECORD COPYQ.C. REVIEW 10/29/81

NCR. 3449

ATTACHMENT "C" SHEET 60

Attachment #2 W3-6238

Page 2 of 3

SERIAL NO.

14346

MERCURY CO. OF NORWOOD

P.O. Box 782
Killona, LA 70066

COPY

FILLER METAL WITHDRAWAL AUTHORIZATION

SYSTEM

53A

DWG. NO.

168-L-001-A

OCR NO.

832

WELD PROC.

D

WORK UNIT/INSTRUMENT NO.

PS-CH-0924 X Y 808 5/1/83

WELDER'S NAME

J. BRYANT

STAMP NO.

M-299

AUTHORIZED SIGNATURE

Paul D. Miller

DATE

10-29-81

FILLER MATERIALS ISSUED:

QUANTITY

18 pcs

TYPE

ER316

SIZE

1/16

LOT AND HEAT NO.

742549

ISSUED BY

C. Miller

DATE

10-29-81

FILLER MATERIALS RETURNED:

QUANTITY

5

TYPE

ER316

SIZE

1/16

LOT AND HEAT NO.

742549

CHECKED BY

C. Miller

DATE

10-29-81

MERCURY Q/A
RECORD COPY

MERCURY Q/A
RECORD COPY
REVIEW
10-29-81

MERCURY Q/A
RECORD COPY





MERCURY
COMPANY,
OF NORWOOD, INC.

Attachment #5 NCR 103-6238

Page 20 of 20
QUALITY CONTROL REPORT

JOB NO. N49720
CUST. ORDER NO. W3-NY-15
JOB NAME: WATERFORD III
S.E.S. UNIT # 3

INSTRUCTIONS:

1. MQC to prepare this report for miscellaneous inspection, tests, and reports.
2. Record applicable references and requirements.
3. N/A
to prepare this report.

DISTRIBUTION:

Original to:

☒ MQA

☐ MQC Proj. Folder

Copies to:

☐ MQC

☒ Customer

☐ Proj. Mgr.

SUBJECT: NCR-3449

FOR INSTRUCTIONS, SEE NCR.

REFERENCE: OCR-832B, S/U-53A
DWG-168-L-001-A RCB
INSTR: PC-CH-0224Y

FIELD VERIFIED VIBRO ETCHING
OF WID M285 TO FW9 AND WID
M299 TO FW10 INSTRUMENT #PS-CH-0224Y
PER NCR DISPOSITION

MERCURY Q/A
RECORD COPY

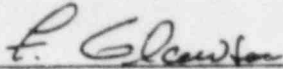
COPY



By B. H. Conner

MQC 6-21-83 DATE

Mrecury has not complied with the requirements of Attachment #3
in furnishing documented evidence in order to close this NCR. Documents
to be submitted as required prior to closing.


F. Clawson 6/24/83
QAE

W3-6238

Attachment 7

Pg. 1 of 2

EBASCO SERVICES INCORPORATED

QUALITY ASSURANCE

NONCONFORMANCE REPORT

ITEM NO: 0007

SUS# 53A

Distribution:

White - PQAE or Site QA Supervisor

Yellow - Organization recommending disposition

Pink - Initiator of NCR

INSTRUCTIONS: (See back of form)

TREND CODE: 6000.0607

CLIENT OR PROJECT (2)

DRAWING NO./SPEC NO. (3)

Louisiana Power & Light Co.

DWG 168-L-001-A Rev. 4

SUPPLIER, CONSTRUCTION QC OR CONTRACTOR (4)

P.O. NO. (5)

Mercury Co. of Norwood, Inc.

W3-NY-15

DESCRIPTION OF COMPONENT, PART OR SYSTEM (6)

R/1617 YL

AWS

ASME-CLASS-2

SUS# 53A

I. DESCRIPTION OF NONCONFORMANCE (7) (Items Involved, Specification, Code or Standard to Which Items Do Not Comply, Submit Sketch if Applicable)

During walkdown of instrument line no. PS-CX-0224-Y, the following discrepancies were noted: FW #11 - undersized weld by 1/16" - 1/8". FW# 9 - Arc gouge on tee; FW 13 - undersized weld by 1/16"; FW# 18 - undersized 1/16", undercut minimum wall violation; FW# 14 - undersized weld 1/16"; FW#6 - arc strikes on coupling; FW# 16 - arc strikes on tubing, arc strikes on coupling. The above deficiencies are in violation of QCP 3110.5, Rev. 5.

NAME AND SIGNATURE OF PERSON REPORTING NONCONFORMANCE (8)

TITLE/COMPANY

DATE (9)

F.A. Pellerin *F.A. Pellerin*

Q.A. Supervisor

10-17-82

II. RECOMMENDED DISPOSITION (10) (Submit Sketch if Applicable)

1. Ebasco to evaluate. See attachment #1.
2. Build-up welds as needed.
3. Rework welds as needed.
4. Buff out arc strikes and verify wall thickness as needed.
5. Redline drawing and add weld numbers as needed.
6. Perform all work, inspection and documenting per approved procedures.

REPORTABLE	YES	NO
10CFR50.55(a)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10CFR21	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Reviewed by: <i>W.D. Davis</i>		

NAME AND SIGNATURE OF PERSON RECOMMENDING DISPOSITION (11)

TITLE/COMPANY

DATE (12)

George Rae *George Rae*

Proj. Mgr./Mercury Co.

10-17-82

III. EVALUATION OF DISPOSITION BY EBASCO, REASON FOR DISPOSITION (13)

SEE ATTACHMENT 2

COPY

IV. CORRECTIVE ACTION (14)

☒ Required☐ Not Required

Corrective Action has been completed copies of supporting documentation is attached.

V. L. Davis - 4/29/83

V. (15) <input type="checkbox"/> ENGINEERING	<input checked="" type="checkbox"/> QUALITY ASSURANCE	<input type="checkbox"/> CONSTRUCTION	<input checked="" type="checkbox"/> OTHER <i>ANT</i>
NAME (SIGNATURE) <i>F.A. Pellerin</i>	NAME (SIGNATURE) <i>W.D. Davis</i>	NAME (SIGNATURE) <i>W.D. Davis</i>	NAME (SIGNATURE) <i>W.D. Davis</i>
DATE <i>10/29/82</i>	DATE <i>11/14/82</i>	DATE <i>11-10-82</i>	DATE <i>11-10-82</i>
<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED
<input type="checkbox"/> ACCEPTED WITH COMMENTS	<input checked="" type="checkbox"/> ACCEPTED WITH COMMENTS	<input type="checkbox"/> ACCEPTED WITH COMMENTS	<input type="checkbox"/> ACCEPTED WITH COMMENTS

VI. VERIFICATION OF DISPOSITION

☒ REQUIRED☐ NOT REQUIRED (16)(17) BY *QA ENGINEERING*

SIGNATURE

W.D. Davis

TITLE

QAE

DATE



INSTRUCTIONS:

1. MQC to prepare this report for miscellaneous inspection, tests, and reports.
2. Record applicable references and requirements.
3. _____
to prepare this report.

DISTRIBUTION:

Original to: ☐ MQA
☐ MQC Proj. Folder

Copies to:

☐ MQC ☐ Customer ☐ _____
☐ Proj. Mgr. ☐ _____ ☐ _____

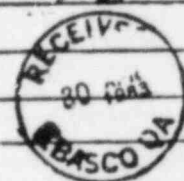
SUBJECT: NCR 894
HOLD TAG 4090

REFERENCE: OCR 832 SUS 53A
INST. PS-CH-0224 P2
Dwg. 168-L-001A Rev 6
RAB-35 3A+J

FW 11: 1/2" WELD ACCEPTED PT ACC. see GEO-PT-14101
FW 9: ARC STRIKE ON TEE REMOVED AND ACCEPTED
FW 13: 1/2" WELD ACC + ANI ACC. PT ACC see GEO-PT-1401
FW 14: 1/2" WELD ACCEPTED PT ACC. see GEO-PT-14101
FW 6: ARC STRIKES ON COUPLING REMOVED AND ACCEPTED
FW 16: WELD DELETED per Note 11 on Dwg 168-L-001A Rev 6
New Weld #21
FW 18: 1/2" WELD ACCEPTED PT ACC see GEO-PT-14101
MINIMUM WALL ACCEPTED

MERCURY Q/A
RECORD COPY

COPY



By Walter E. Wilkerson

MQC 10-29-82 DATE



Att. # 7 pg. 3 of 21
W3-6238
QUALITY CONTROL REPORT

JOB NO. N49720

CUST. ORDER NO. W3-NY-15

JOB NAME: WATERFORD III

S.E.S. UNIT # 3

INSTRUCTIONS:

1. MQC to prepare this report for miscellaneous inspection, tests, and reports.
2. Record applicable references and requirements.
3. _____
to prepare this report.

ATTACHMENT #1 TO NCR 894

DISTRIBUTION:

Original to:

☐ MQA☐ MQC Proj. Folder

Copies to:

☐ MQC☐ Customer☐ Proj. Mgr.

SUBJECT: NCR 894, instrument no.
PS-CH-02244, Dwg. 168-L-001-A, Rev. 4
SUS 53A

REFERENCE:

Reinspected deficiencies on NCR 894 for corrective action

1. FW 11, FW 13, FW 14, and FW 6, deficiency unchanged.
2. FW 6 removed arc strike from coupling.
3. FW 16 removed arc strike from tube and coupling.
4. FW 9 is on line PS-CH-0224X-4" O.D. x .065. Measurements at wall .511
Measurement at affected area .580. Area violates minimum wall (Rej.)
5. FW 18 undersized weld unchanged. Undercut violates minimum wall
(Rej.) 4" OD x .065 tubing at wall .705 at affected area (undercut) .690.

COPY

By _____

MQC _____

DATE _____



MERCURY COMPANY
OF NORWOOD, INC.

Attachment NCR W3-4807
11/7/82
QUALITY CONTROL REPORT

W3-6238 p904821-A-7
JOB NO. W49720 Page 3 of 4
CUST. ORDER NO. W3-NY-15
JOB NAME: WATERFORD III
S.E.S. UNIT # 3

INSTRUCTIONS:

1. MQC to prepare this report for miscellaneous inspection, tests, and reports.
2. Record applicable references and requirements.
- 3.

to prepare this report.

DISTRIBUTION:

Original to: ☐ MQA
☐ MQC Proj. Folder

Copies to:

☐ MQC ☐ Customer ☐
☐ Proj. Mgr. ☐ ☐

SUBJECT: NCR 894
7/12/82
HOLD Tag 4090

REFERENCE: OCR 832 SUS 53A
INST. PS-CH-0224 P2
Dwg. 168-L-001A Rev 6
RAB-35 3A+J

W11: 1/2" WELD ACCEPTED PT ACC. see GEO-PT-14101

W13: 1/2" WELD ACC + ANI ACC. PT ACC see GEO-PT-14101

W16: WELD Deleted per Note 11 on Dwg 168-L-001A Rev 6
New Weld #21

W18: 1/2" WELD ACCEPTED PT ACC see GEO-PT-14101
MINIMUM WALL ACCEPTED

MERCURY Q/A
RECORD COPY

COPY

By Charles E. Witherson

MQC 10-29-82 DATE

ATTACHMENT # 2Page 1 of 1

NONCONFORMANCE REPORT W3-4825

EVALUATION OF DISPOSITION - EBASCO QUALITY ASSURANCE

Mercury procedure MCP-2101 states that Arc strikes
shall be Pt'd after removal. Also GEO PT-14101
shows no acceptance for FW 14. Also need verification
of Min. wall infringement.

Copies of the following documents shall be returned with this Nonconformance Report to Ebasco Quality Assurance to verify corrective action taken. This shall also include any additional documents generated as required by the Quality Assurance Program and attendant procedures. The following documents have been requested by Ebasco Quality Assurance:

<input checked="" type="checkbox"/> <u>PT/RT/UT</u>	Report Nos. _____	_____	Procedure Nos. _____
_____	PCS/Traveler Nos. _____	_____	Drawing Nos. _____
_____	DCN/FCR Nos. _____	_____	Sketch Nos. _____
<input checked="" type="checkbox"/>	Inspection Report Nos. _____	_____	_____
_____	Test Report Nos. _____	_____	_____
_____	Calibration Report Nos. _____	_____	_____

Wayne Fiddle
Name and Signature

QA Spec.
Title

11/10/82
Date



COPY



Subsidiary of Fischbach and Moore, Incorporated

ATTACHMENT #3
QC NONCONFORMANCE REPORT
W3-4805 (Mercury #894)
Page 1 of 1

NONCONFORMANCE NO. 894
JOB NO. 6-49760
DATE 9-20-82

1. INITIATOR SHALL PREPARE THIS REPORT AS REQUIRED FOR NONCONFORMING MATERIAL, ASSEMBLY, INSPECTION OR TEST

SUS 57A INSTRUMENT NO. PS-CA-0224-Y DWG NO. 168-7-101 P 24
CUR 932 -35' ELEV. RAB. IFC P22351R2

2. DESCRIPTION OF NONCONFORMANCE: DURING WALKDOWN OF INSTRUMENT LINE NO
PS-CA-0224-Y, THE FOLLOWING DISCREPANCIES WERE NOTED:
FW 11 - UNDERSIZED WELD BY 1/4" FW 9 - ALL CORNER ON TEE
FW 13 - UNDERSIZED WELD BY 1/4" FW 18 - UNDERSIZED 1/4" UNDERCUT,
MINIMUM WALL VIOLATION. FW 14 - UNDERSIZED WELD 1/4"
FW 6 - ALL STRIKES ON COUPLING FW 16 - ALL STRIKES ON TUBING,
PIC STRIKES ON COUPLING. THE ABOVE DEFICIENCIES ARE IN
VIOLATION OF QCP 3110.5 REV. 5.

3. ITEM PLACED ON HOLD YELLOW HOLD TAG No. 4090 attached to item. Initiated by Donna R. [Signature] Date 9-19-82

4. RECOMMENDED DISPOSITION: By Project Manager [Signature] Date 10/16/82
☐ Use As Is BASED TO EVALUATE SEE ATTACHMENT #1 10/16/82
☒ Repair or Rework BUILD-UP NEEDS AS NEEDED 3. REWORK WELDS
☐ Reject, Scrap WAS NEEDED 2. BUFF OUT ARC STRIKES AND VENTRY
☐ Reject, Return to Vendor WALL THICKNESS AS NEEDED 6. REWORK

5. DISPOSITION REVIEW: ☒ Approved ☐ Denied
Accepted L. A. Bell OAM 40182 Date 10/16/82
Reviewed [Signature] ANI QTR 4, 482 Date 10/16/82

6. ☐ ORANGE Conditional Release Tag No. 3327 attached to item. SEE ATTACHED SYSTEM
☐ RED Reject Tag No. 3327 attached to item. CONDITIONAL RELEASE

7. RECOMMENDED DISPOSITION COMPLETED: Closed see ATTACHED 211

MERCURY Q/A
RECORD COPY

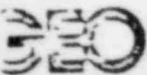
COPY
MOO [Signature] Date 10-29-82
RECEIVED
30 1982
3000A

DISTRIBUTION:	ORIG. QA	VP	PM	AM	PURCH.	FIELD SUPT.	SHOP SUPT.	MOC PROJECT FOLDER
CAR RESP.								
VDN RESP.								
NOI INFORMATION	X			X		X		X
OTHER								

CORRECTIVE ACTION REQUEST (CAR) ISSUED:
☐ YES ☒ NO CAR No. 4129/83
OAM [Signature] Date 4/29/83
VENDOR DEFICIENCY NOTICE (VDN) ISSUED:
☐ YES ☒ NO VDN No. 4129/83
OAM [Signature] Date 4/29/83

10. REMARKS: 10/16/82 DWG AND ADD WELD NUMBERS AS NEEDED.
6. PERFORM ALL WORK, INSPECTION AND DOCUMENTING PER
APPROVED PROCEDURES.

[Signature]
10/16/82 10/16/82



Construction Testing

W3-6238

A-7 P9.70821

 SYST-53-A
 REF-1694
 CCR#-832

CERTIFIED REPORT of NONDESTRUCTIVE EXAMINATION

QC - POWER

TOWER EBASCO SERVICES INC. (MERCURY)		DATE 10-26-82	
ADDRESS PO BOX 70, KILLONA LA.		CONTROL NO. OR REPORT NO. EFC - PT 14101	
OR PROJECT LOCATION WATERFORD III		PLAN OR DWG. NO. 168-L-CC1-A R6	
FACE CONDITION AS WELDED	HEAT NO. N/A	HEAT TREAT BEFORE - AFTER	TEMP OF MATERIAL 77°F
EXAMINATION STANDARD ASME III SEC. I, NCECC	EXAMINATION STANDARD S-7E	ACCEPTANCE STANDARD PARA 8.1.3 OF 3.27.4.1	NDT PROCEDURE NO. AMEND 1-4
UT <input type="checkbox"/> MT <input type="checkbox"/> PT <input checked="" type="checkbox"/>	ULTRASONIC EXAMINATION		
EQUIPMENT	TRANSDUCER	TEST BLOCK	METHOD USED
		N/A	
MAGNETIC PARTICLE EXAMINATION			
EQUIPMENT	DRY <input type="checkbox"/> WET <input type="checkbox"/>	VISIBLE <input type="checkbox"/> AC <input checked="" type="checkbox"/> DC <input type="checkbox"/>	AMPERAGE
		N/A	
LIQUID PENETRANT EXAMINATION			
PRIMER	PENETRANT	CLEANER	EMULSIFIER
YIS-DYE	3-14-85 SILVIL 10 MIN	SAC-NF5000	N/A
SL-REM	3-14-85 SILVIL 10 MIN	SAC-NF5000	N/A
ART NO.	TOTAL LENGTH EXAMINED	TYPE OF WORK	NO. OF ITEMS ACCEPTED
LINE PC-CH-2224-Y Tube 1/2" CD X .065		NEW <input checked="" type="checkbox"/> REPAIR <input type="checkbox"/>	3

C - Cracks		P - Porosity	NF - Non-Fusion	LI - Linear Indication	S - Slag	LA - Lamination	OTHER - Specify	
PC OR SNR	ACC	REJ	DEFECT CODE	REMARKS	PC OR SNR	ACC	REJ	DEFECT CODE
				NAD (R) PER LETTER				
				NAD (R) PER LETTER				
				NAD (R) PER LETTER				

 M.Q.C. REVIEW
 10-27-82

COPY II

Technician N/A		Date 10-27-82	
Assistant Technician		Customer	
Inspector		Signature N/A	
Enclosure Added Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Page 1 of 2	

GEO CONSTRUCTION TESTING

We assume no responsibility for errors or omissions, which may be the result of misinterpretation.

W3-6238 A-7 pg. 9 of 21

ATTACHMENT #5
W3-4805 (Mercury #894)
Page 2 of 4

* Acc strike removal for FW #6 Accepted per Geo. PT # 16534, Ref. NCR # 894. NP # 42.
* Acc strike removal for FW's 9 & 16 Accepted per Geo. PT # 16511, Ref. NCR # 894. NP # 4246.

COPY COPY





Construction Testing

W3-6238 A-7 P90101821
Attachment #6 W3-4805 (Mercury #894)

FOSTER CITY - MAIN OFFICE 1118 Chest Drive, Foster City, CA 94404, (415) 573-8000

Page 1 of 1

SAN LEANDRO OFFICE 2506 Davis Street, San Leandro, CA 94577, (415) 562-7500

KCR #394
SUN 521
SUN 522
P90101821
W3-4805

CERTIFIED REPORT of NONDESTRUCTIVE EXAMINATION

CUSTOMER EBASCO SERVICES INC. (Mercury)		DATE 21 April 83
ADDRESS PO Box 70 Killebrew, LA		CONTROL NO. OR REPORT NO. 600 PT 16559
JOB OR PROJECT LOCATION Whitefish Lake	P.O. NO. W3-4805-26	PLAN OR DWG. NO. W3-4805-26
SURFACE CONDITION AS Ruffed	HEAT NO. N/A	HEAT TREAT BEFORE AFTER
TYPE OF EXAMINATION UT	EXAMINATION STANDARD ASNT SNT TC 1A-1	ACCEPTANCE STANDARD ASNT SNT TC 1A-1
N.D.T. PROCEDURE NO. 500-41-1		

ULTRASONIC EXAMINATION					
EQUIPMENT N/A	TRANSDUCER	TEST BLOCK	METHOD USED	SCANNING METHOD	SENSITIVITY LEVEL

MAGNETIC PARTICLE EXAMINATION					
EQUIPMENT N/A	DRY	VISIBLE	AC	DC	AMPERAGE
	WET	FLUORESCENT	RECTIFIED		

LIQUID PENETRANT EXAMINATION											
METHOD K15	PENETRANT		CLEANER		EMULSIFIER		DEVELOPER				
	BRAND NO.	BATCH NO.	DWELL TIME	BRAND NO.	BATCH NO.	BRAND NO.	BATCH NO.	EMULS. TIME	BRAND NO.	BATCH NO.	DEV. TIME
PART NO. P90101821			TOTAL LENGTH EXAMINED 2' 0"	TYPE OF WORK NEW		NO. OF ITEMS ACCEPTED 2		NO. OF ITEMS REJECTED		DRY WET NON-AQUEOUS	

C - Cracks				P - Porosity				NF - Non-Fusion				LI - Linear Indication				S - Slag				LA - Lamination				OTHER - Specify			
RE-OR SH-	ACC	REJ	DEFECT CODE	REMARKS	RE-OR SH-	ACC	REJ	DEFECT CODE	REMARKS	RE-OR SH-	ACC	REJ	DEFECT CODE	REMARKS	RE-OR SH-	ACC	REJ	DEFECT CODE	REMARKS	RE-OR SH-	ACC	REJ	DEFECT CODE	REMARKS			
<p>* (1) 1/4" x 1/2" crack 1/4" west of hole 6 0° with 1/2" ring top of tubing, looking east. 2' long x 3/4" hole to end.</p> <p>dis. strike 1 ✓ N/D</p> <p>* (1) 1/4" x 1/2" crack 1/4" west of hole 6 0° with 1/2" ring top of tubing, looking east. 2' long x 3/4" hole to end.</p> <p>dis. strike 2 ✓ P3 (1/2")</p>																											



A.M.		P.M.		SNT TC 1A Level	
I		N		Technician David Brown	
Total Hours at Job		Total Hours		Asst. Technician N/A	
Standby		Travel		Customer	
Total Hours		Total Mileage		Witnessed by N/A	
				ENCLOSURE ADDED Yes <input type="checkbox"/> No <input type="checkbox"/>	

COPY



FOSTER CITY - MAIN OFFICE 1118 Chest Drive Foster City, CA 94404 (415) 573 6000
SAN LEANDRO OFFICE 2504 Davis Street, San Leandro, CA 94577 (415) 562 7500

ATTACHMENT #7
W3-4805' (Mercury #894)
Page 1 of 1

NK 894
 200 - 221
 200 - 222
 200 - 223

CERTIFIED REPORT of NONDESTRUCTIVE EXAMINATION

CUSTOMER FRISCO SERVICES INC		DATE 21 April 83	
ADDRESS PO Box 76		CONTROL NO. OR REPORT NO. 16561	
JOB OR PROJECT LOCATION Wilmington, DE		PLAN OR DWG. NO. 16561-001	
SURFACE CONDITION As Inspected		HEAT NO. 1/1	HEAT TREAT As per spec
TYPE OF EXAMINATION UT		EXAMINATION STANDARD ASNT SNT-TC-1A	ACCEPTANCE STANDARD ASNT SNT-TC-1A
ULTRASONIC EXAMINATION			
EQUIPMENT 1/1	TRANSDUCER 1/1	TEST BLOCK	METHOD USED
MAGNETIC PARTICLE EXAMINATION			
EQUIPMENT 1/1	DRY <input type="checkbox"/> WET <input type="checkbox"/>	VISIBLE <input type="checkbox"/> AC <input type="checkbox"/> DC <input type="checkbox"/>	AMPERAGE
		PROD. SPACING	PARTICLES - COLOR
LIQUID PENETRANT EXAMINATION			
METHOD 1/1	PENETRANT BRAND NO. BATCH NO. DWELL TIME	CLEANER BRAND NO. BATCH NO.	EMULSIFIER BRAND NO. EMULS. TIME
PAINT NO. 7		DEVELOPER BRAND NO. BATCH NO. DWELL TIME	
TYPE OF DEFECTS CODE		TYPE OF WORK	
C - Cracks P - Porosity NF - Non-Fusion LI - Linear Indication S - Slag LA - Lamination OTHER - Specify		NO. OF ITEMS ACCEPTED NO. OF ITEMS REJECTED	
PC OR BR#	ACC	REJ	DEFECT CODE
<p>* 1 1/2" long x 3/4" wide x 1/4" thick 1/4" from left - 1/4" x 1/4" deep 3/4" from left 1/4" from right - 1/4" x 1/4" deep 3/4" from right 1/4" from top - 1/4" x 1/4" deep 3/4" from top 1/4" from bottom - 1/4" x 1/4" deep 3/4" from bottom</p>			
			

RECEIVED
30 APR 1983
EBASCO VA

SN7 TC 1A
Level:

Teknologi *Handwritten*

Ass. Testingen 2/21C₄₀H₇₈O₁₀

We expressed the

ENCLOSURE ADDED
Yes ☐ No ☒

TABLE 10.10. (continued)

Total Minutes

Suzanne

Total Mileage

GEO CONSTRUCTION TESTING

assumes no responsibility for issues of any kind that in interpretation

FORM 112 (6/81)



Construction Testing

FOSTER CITY - MAIN OFFICE 1118 Chess Drive, Foster City, CA 94404, (415) 573-6000
SAN LEANDRO OFFICE 2506 Davis Street, San Leandro, CA 94577, (415) 562-7500

Page 1 of 1

SYSTEM — 53A
REQ. — 1697
OCR — 832

CERTIFIED REPORT of NONDESTRUCTIVE EXAMINATION *QC-ROBERT TULASE*

DATE 10-27-82
CONTROL NO. OR REPORT NO. GED-PT-14112
PLAN OR DRWG. NO. 168-L-001-A R6
TYPE OF MATERIAL S/S 72°F
N.D.T. PROCEDURE NO. AMEND 1-4
REV 1963-3

CUSTOMER EBASCO SERVICES INC. (MERCURY)
ADDRESS PC BOX 70, KILLONA LA.
JOB OR PROJECT LOCATION WATERFORD III
SURFACE CONDITION AS WELDED
TYPE OF EXAMINATION UT ☐ MT ☐ ET ☒
EXAMINATION STANDARD 9-76
ASME SEC. III NC 5000 PARA 86.3 OF 3.23.A.1 REV 1963-3
UT ☐ MT ☐ ET ☒
EQUIPMENT TRANSDUCER TEST BLOCK METHOD USED
SCANNING METHOD SENSITIVITY LEVEL
MAGNETIC PARTICLE EXAMINATION
EQUIPMENT DRY ☐ VISIBLE ☐ AC ☐ DC ☐ AMPERAGE
WET ☐ FLUORESCENT ☐ N/A
LIQUID PENETRANT EXAMINATION
METHOD DYE - DYE
SOL - REM SKI-HS 811111
10 MIN SKI-NF 84018
TOTAL LENGTH EXAMINED
TYPE OF WORK NO. OF ITEMS ACCEPTED NO. OF ITEMS REJECTED
LINE - PS-CH-0224 Y TUBE 1/2" OD 100% REF. NEW ☒ REPAIR ☐
TYPE OF DEFECTS CODE C - Cracks P - Porosity NF - Non-Fusion LI - Linear Indication S - Slag LA - Lamination OTHER - Specify
PC# OR SN# ACE REJ DEFECT CODE REMARKS
FY 14 R-1 P Q) 1/2" Round IND. AT 8 O'CLOCK LOOKING NORTH
RECEIVED
80 1983
EBASCO QA
M.Q.C. REVIEW 10-29-82



M. Q. C. REVIEW

W 10-29-82

Technician Gerald Horn

SNT-TC-1A
Level _____ of 25/25

Asst. Technician

Conclusion

Reviewed by

ENCLOSURE ADDED
Yes ☐ No ☒

Page 1 of 1

GEO CONSTRUCTION TESTING

GEO CONSTRUCTION TESTING
assumes no responsibility for losses of any kind due to interpretation.

W3-6238 A-7 P9:13:21

Attachment #1

NCR W3-4805

Page 4 of

FOSTER CITY - MAIN OFFICE 1115 Chiles Drive Foster City, CA 94404 (415) 573-6000

SAN LEANDRO OFFICE 2906 Owen Street San Leandro, CA 94577 (415) 567-7500

ATTACHMENT #9

W3-4805 (Mercury #894)

Page 1 of 1

SYST-53-A

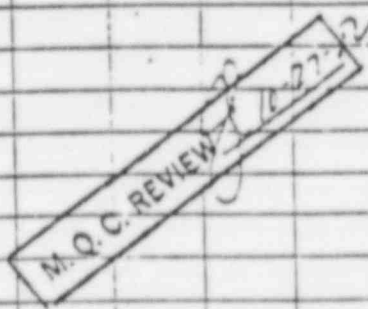
REF-1694

CCP-832

CERTIFIED REPORT of NONDESTRUCTIVE EXAMINATION GC - POWER

TOWER EBASCO SERVICES INC. (MERCURY)		DATE 10-26-82
DRESS PO BOX 70, KILLONA LA.		CONTROL NO. OR REPORT NO. EEC-PT 14101
EQUIPMENT LOCATION WATERFORD TIE		PLAN OR DWG. NO. 108-L-001-A RE
FACE CONDITION AS WELDED	HEAT NO. N/A	HEAT TREAT S/S
TYPE OF EXAMINATION UT	EXAMINATION STANDARD ASME III SEC. V NCECC	TEMP. OF MATERIAL 77°F
ACCEPTANCE STANDARD PARA 9.6.3 OF 3.27.4.1 REV 1973-3		N.D.T. PROCEDURE NO. AMEND 1-4
ULTRASONIC EXAMINATION		
EQUIPMENT	TRANSDUCER	TEST BLOCK
METHOD USED N/A		SCANNING METHOD
SENSITIVITY LEVEL		
MAGNETIC PARTICLE EXAMINATION		
EQUIPMENT	DRY <input type="checkbox"/> VISIBLE <input type="checkbox"/> AC <input type="checkbox"/> DC <input type="checkbox"/> AMPERAGE	PROD. SPACING
LIQUID PENETRANT EXAMINATION		PARTICLES - COLOR
DEVELOPER		
PENETRANT		
CLEANER		
EMULSIFIER		
DEVELOPER		
METHOD YIS-DYE		
SOL-REM		
ART NO.		
LINE PC-LA-0224-Y Tube 1/2" OD X 1.665		

C - Cracks		P - Porosity		NF - Non-Fusion		LI - Linear Indication		S - Slag		LA - Lamination		OTHER - Somethy	
PC OR SN#	ACE	REJ	DEFECT CODE	REMARKS	PC OR SN#	ACE	REJ	DEFECT CODE	REMARKS	PC OR SN#	ACE	REJ	DEFECT CODE
F7N-11 R				NAD (R) PER LETTER									
F7N-18 R				NAD (R) PER LETTER									
E7N-13 R				NAD (R) PER LETTER									



Technician Everald Henry		SHT TO 1A II
Asst. Technician N/A		
Customer N/A		
Inspector N/A		
ENCLOSURE ADDED Yes		
Total Hours N/A		
Total Storage N/A		

GEO CONSTRUCTION TESTING

REVISIONS AND COMMENTS TO BE MADE BY THE USER OF THIS REPORT

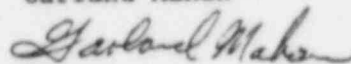
Attachment #10
W3-4805
Mercury #894
Page 1 of 1

TO: L. Gelbert, Mercury
Attn.: V. Davis

FROM: G. Mahan, Ebasco QAE

GEO-PT report dated April 21, 1983 specifies FW#16 being inspected. Mercury's 211 report dated October 29, 1983 states FW#16 was deleted and replaced with FW#21 per drawing 168-L-001A Rev. 6. Correct documentation and submit drawing to verify.

Garland Mahan



Ebasco, QAE

GM:jv



COPY

MERCURY COMPANY OF NORWOOD, INC. *Mut 894*

A FISCHBACH COMPANY

COPY

QUALITY CONTROL
WELD DATA REPORT
SHEET 1 OF 2

M

PROJECT NO. N49720
CONTRACT NO. W3-NY-15
PROJECT NAME - WATERFORD III
ASME SECTION III, CLASS 2 ☒
ASME SECTION III, CLASS 3 ☐

SUS NO. 3A INSTRUMENT NO. PSCH-0224 DWG. NO. 168-L-001A REV. 6
RACK/CABINET AN A.N.I. VIEW 10-16-82

WELD NO.	HEAT NO.*3110R-3	WELD SIZE	P/T SIZE	WELDER	FMWA	WPS- REV-	FIT-UP INSP.	FIT-UP A.N.I.	FINAL INSP.	FINAL A.N.I.	PT INSP.	PT INSP. A.N.I.	GEO PT INSP.
20 ^V	<i>CRJON 316</i> <i>466023</i> <i>10-11-82</i>	1/8"	1/2"	FL	M-194	32227	DA-12	RAS 10-17-82		RAS 10-18-82			GEO PT 1/400 10-2-82
21 ^V	<i>CRJON-316</i> <i>467061</i>	1/8"	1/2"	FL	M-329	32077	DA-12	RAS 10-17-82		RAS 10-17-82			GEO PT 13998
22 ^V	<i>467061</i> <i>C-66</i>	1/8"	1/2"	FL	M-329	32228	D-12	RAS 10-18-82		RAS 10-18-82			GEO PT 1/400 10-2-82
23 ^V	<i>CRJON-316</i> <i>467061</i>	1/8"	1/2"	FL	M-329	32077	D-12	RAS 10-17-82		RAS 10-18-82			GEO PT 1/400 10-2-82
24 ^V	<i>CRJON-316</i> <i>467061</i>	1/8"	1/2"	FL	M-329	32228	D-12	RAS 10-18-82		RAS 10-18-82			GEO PT 1/400 10-2-82
12 ^V	<i>CRJON-316</i> <i>467061</i>	1/8"	1/2"	FL	M-329	32228	D-12	RAS 10-18-82		RAS 10-18-82			GEO PT 1/400 10-2-82
5R	<i>CRJON-316</i> <i>466023</i>	1/8"	1/2"	FL	M-207	32228	D-12	RAS 10-18-82		RAS 10-18-82			GEO PT 1/400 10-2-82

REWORK OF REJECTED WELDS: INDICATE LOCATION, JOINT NO., AND REASON FOR REJECTION

ADDED WELDS 22, 22 PER NOTE 11 ON DWG. REV. 6 10-15-82

ADDED WELDS 23, 23 PER R/L "2" DWG. 168-L-001A. 10-17-82

WITNESSED TRANSFER OF HT# 467061 ON TUBING AT PW-24. RAS 10-18-82

* ADDED FILLER TO CLEAR DISCREPANCY. RAS 10-18-82

* FILLED OUT IN ERROR. THIS WELD ON LINE # PS-CH-0224Z. RAS 10-18-82

* FU = FIT-UP, FL = FINAL * SEE 341.02 IN 197-3. RAS 4-23-83

* MQC TO VERIFY MATERIAL CONFORMS TO APPROVED DRAWING (PROPER SIZE, SCHEDULE, LENGTH) FORM 197-3 (10-4-82)

NCR NO. 894 H.Q.A. REVIEW: 5-5-83

COMPLETE DATE 11-1-82

A.N.I. REVIEW: 5-16-83

COMPLETE DATE 5-22-82

COMPLETE DATE 5-22-82

COMPLETE DATE 5-22-82

COMPLETE DATE 5-22-82

COMPLETE DATE 5-22-82

COMPLETE DATE 5-22-82

COMPLETE DATE 5-22-82

MERCURY Q/A
RECORD COPY



Construction Testing



FOSTER CITY - MAIN OFFICE 1118 Chess Drive, City, CA 94024 51573-6000
SAN LEANDRO OFFICE 2506 Davis Street, San Leandro, CA 94577, (415) 562-7500

Attachment #12
W3-4805 (Mer #894)
R.1661

W3-6238 A-7 Pg. 16 of 21
CON # 892
1652

CERTIFIED REPORT of NONDESTRUCTIVE EXAMINATION

CUSTOMER Etiger Services IVC (mercury)		DATE 10-1-82
ADDRESS P.O. Box 70 Killeen, TX		CONTROL NO. OR REPORT NO. 1-ET-PT 15798
JOB OR PROJECT LOCATION Wheatford III	P.O. NO. W3-NY-26	PLAN OR DWG. NO. 118-2-CC1-A R6
SURFACE CONDITION as indicated	HEAT NO. N	TYPE OF MATERIAL 1/8"
TYPE OF EXAMINATION <input type="checkbox"/> UT <input type="checkbox"/> MT <input checked="" type="checkbox"/> PT	EXAMINATION STANDARD ASME III	TEMP. OF MATL. 135 F
	HEAT TREAT BEFORE <input type="checkbox"/> AFTER <input type="checkbox"/>	ACCEPTANCE STANDARD ASME III
		N.D.T. PROCEDURE NO. 9.23.A

ULTRASONIC EXAMINATION					
EQUIPMENT N/A	TRANSDUCER A	TEST BLOCK	METHOD USED	SCANNING METHOD	SENSITIVITY LEVEL

MAGNETIC PARTICLE EXAMINATION					
EQUIPMENT N/A	DRY <input type="checkbox"/> WET <input type="checkbox"/>	VISIBLE <input type="checkbox"/> FLUORESCENT <input type="checkbox"/>	AC <input type="checkbox"/> DC <input type="checkbox"/>	AMPERAGE	PROD. SPACING
			RECTIFIED <input type="checkbox"/>		HEAD <input type="checkbox"/> COIL <input type="checkbox"/>

LIQUID PENETRANT EXAMINATION										
METHOD 1-2-3-4	PENETRANT		CLEANER		EMULSIFIER		DEVELOPER			
	BRAND NO.	BATCH NO.	DWELL TIME	BRAND NO.	BATCH NO.	BRAND NO.	BATCH NO.	EMULS. TIME	BRAND NO.	BATCH NO.
PART NO. TS-CH227Y	TOTAL LENGTH EXAMINED 4 1/2"		TYPE OF WORK NEW <input checked="" type="checkbox"/> REPAIR <input type="checkbox"/>		NO. OF ITEMS ACCEPTED 1		NO. OF ITEMS REJECTED 0			

TYPE OF DEFECTS CODE
C - Cracks P - Porosity NF - Non-Fusion S - Slag LA - Lamination OTHER - Specify

PC# OR SN#	ACC	REJ	DEFECT CODE	REMARKS	PC# OR SN#	ACC	REJ	DEFECT CODE	REMARKS
File 1	<input checked="" type="checkbox"/>			NAD					

COPY

MERCURY Q/A RECORD COPY

QA REVIEWED ☒
W/COMMEN
BY: **JR** DATE: **11/5/82**

COPY

Time Log
A.M. P.M.
Total Hours at Jobsite
Total Hours
Total Mileage

Technician
Asst. Technician
Customer
Witnessed by
ENCLOSURE ADDED
Yes ☐ No ☒

GEO CONSTRUCTION TESTING

W3-4805

EBASCO SERVICES INCORPORATED

QUALITY ASSURANCE

REPORT NO. 894

NONCONFORMANCE REPORT
ITEM NO: 0007

Distribution:

White - PQAE or Site QA Supervisor

Yellow - Organization recommending disposition

Pink - Initiator of NCR

INSTRUCTIONS: (See back of form) TREND CODE: 6000-0607

SUS# 53A

CLIENT OR PROJECT (1)

DRAWING NO./SPEC NO. (2)

Louisiana Power & Light Co.

DWG 168-L-001-A Rev. 4

SUPPLIER, CONSTRUCTION QC OR CONTRACTOR (4)

P.O. NO. (3)

Mercury Co. of Norwood, Inc.

W3-NY-15

DESCRIPTION OF COMPONENT, PART OR SYSTEM (6)

SUS# 53A

ASME-CLASS-2

I. DESCRIPTION OF NONCONFORMANCE (7) (Items Involved, Specification, Code or Standard to Which Items Do Not Comply, Submit Sketch if Applicable)

During walkdown of instrument line no. PS-CH-0224-Y, the following discrepancies were noted: FW #11 - undersized weld by 1/16" - 1/8". FW# 9 - Grc cougeoon tee; FW 13 - undersized weld by 1/16"; FW# 18 - undersized 1/16", undercut minimum wall violation; FW# 14 - under-sized weld 1/16"; FW#6 - arc strikes on coupling; FW# 16 - arc strikes on tubing, arc strikes on coupling. The above deficiencies are in violation of CCP 3110.5, Rev. 5.

NAME AND SIGNATURE OF PERSON REPORTING NONCONFORMANCE (8)

TITLE/COMPANY

DATE (9)

F.A. Pellerin

Q.A. Supervisor

10-17-82

II. RECOMMENDED DISPOSITION (10) (Submit Sketch if Applicable)

1. Phasco to evaluate. See attachment #1.
2. Build-up welds as needed. ✓
3. Rework welds as needed. ✓
4. Buff out arc strikes and verify wall thickness as needed. Oct 11/10/82
5. Redline drawing and add weld numbers as needed.
6. Perform all work, inspection and documenting per approved procedures.

NAME AND SIGNATURE OF PERSON RECOMMENDING DISPOSITION (11)

TITLE/COMPANY

DATE (12)

George Rae

Proj. Mgr./Mercury Co.

10-17-82

III. EVALUATION OF DISPOSITION BY EBASCO, REASON FOR DISPOSITION (13)

SEE ATTACHMENT 2

IV. CORRECTIVE ACTION (14)

☒ Required☐ Not Required

CORRECTIVE ACTION HAS BEEN COMPLETED COPIES OF SUPPORTING DOCUMENTATION IS ATTACHED.

VI. ENGINEERING (15)		QUALITY ASSURANCE		CONSTRUCTION		OTHER AIT	
NAME (SIGNATURE)	NAME (SIGNATURE)	NAME (SIGNATURE)	NAME (SIGNATURE)	NAME (SIGNATURE)	NAME (SIGNATURE)	NAME (SIGNATURE)	NAME (SIGNATURE)
DATE	DATE	DATE	DATE	DATE	DATE	DATE	DATE
12/29/82	11/10/82					10-10-82	
<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED	<input type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED
<input type="checkbox"/> ACCEPTED WITH COMMENTS	<input type="checkbox"/> ACCEPTED WITH COMMENTS	<input type="checkbox"/> ACCEPTED WITH COMMENTS	<input type="checkbox"/> ACCEPTED WITH COMMENTS	<input type="checkbox"/> ACCEPTED WITH COMMENTS	<input type="checkbox"/> ACCEPTED WITH COMMENTS	<input type="checkbox"/> ACCEPTED WITH COMMENTS	<input type="checkbox"/> ACCEPTED WITH COMMENTS

VI. VERIFICATION OF DISPOSITION

☒ REQUIRED

(17) BY

SIGNATURE

TITLE

DATE

4-29-83



A Subsidiary of
Fischbach and Moore, Inc.

RECORD OF TRAINING & INDOCTRINATION

Date 6/25/83

DISTRIBUTION:

Original to: ☒ QA File

Copies to:

☐ Shop/Field Supt.

☐

EMPLOYEES RECEIVING INSTRUCTION:

NAME	TITLE	NAME	TITLE
<u>R. Luter</u>	<u>WELDER M-349</u>		

DEPARTMENT:

- ☐ QA/QC
☐ Engineering
☐ Contract Administration
☐ Purchasing
☐ Shop Production
☒ Field Construction

- ☐ Indoctrination
☐ Training
☒ Retraining
☒ Reading Assignment
☒ Oral Interview

REFERENCES:

1. QA Manual Sections _____
2. Oper. Procedures _____
3. Welding Procedures MCP 2100
NCR W3-6238
4. QC Procedures _____

The Employee(s) listed above have completed reading assignments as applicable and have received 1 1/2 hours of instruction to the above referenced documents and have demonstrated a satisfactory understanding of their duties and responsibilities and their role in the QA Program.

DISCUSSION: Mr. Luter M-349 has read the Procedure listed above and has satisfactorily demonstrated his understanding of his duties and responsibilities.

welding supt
Signed Sherwood Beard
Dept. Manager or Instructor

Date 6/25/83

INSTRUCTIONS:

1. MQC to prepare this report for miscellaneous inspection, tests, and reports.
2. Record applicable references and requirements.
3. _____
to prepare this report.

DISTRIBUTION:

Copies to:

Original to: ☐ MQA
☐ MQC Proj. Folder

☐ MQC ☐ Customer ☐ _____
☐ Proj. Mgr. ☐ _____ ☐ _____

SUBJECT: Welders I.D. for FW14

REFERENCE: OCR832 53A
168-L-001-A Sh. 2 of 2
PGCH-0224Y
FW14

Welder's I.D. M349 was butted from tubing adjacent to FW14. O.D. measured .498" after butting. Adjacent unaffected area .500". Penetrant testing requested (#821B) but as of midnight 6/27/83 it had not been done.

By Frank Jones MQC 6/27/83 DATE



SAN LEANDRO OFFICE 2506 Davis Street, San Leandro, CA 94577, (415) 562-7500

CERTIFIED REPORT of NONDESTRUCTIVE EXAMINATION

CUSTOMER		DATE	
ADDRESS		CONTROL NO. OR REPORT NO.	
JOB OR PROJECT LOCATION		PLAN OR DWG. NO.	
SURFACE CONDITION		HEAT NO.	HEAT TREAT
		BEFORE <input type="checkbox"/> AFTER <input type="checkbox"/>	TYPE OF MATERIAL
TEMP OF MAT'L			
TYPE OF EXAMINATION	EXAMINATION STANDARD	ACCEPTANCE STANDARD	N.D.T. PROCEDURE NO.
UT <input type="checkbox"/> MT <input type="checkbox"/> PT <input type="checkbox"/>			

ULTRASONIC EXAMINATION

EQUIPMENT	TRANSDUCER	TEST BLOCK	METHOD USED	SCANNING METHOD	SENSITIVITY LEVEL

MAGNETIC PARTICLE EXAMINATION

EQUIPMENT	DRY <input type="checkbox"/>	VISIBLE <input type="checkbox"/>	AC <input type="checkbox"/>	DC <input type="checkbox"/>	AMPERAGE	PROD. SPACING	PARTICLES - COLOR
	WET <input type="checkbox"/>	FLUORESCENT <input type="checkbox"/>		RECTIFIED <input type="checkbox"/>		HEAD <input type="checkbox"/> COIL <input type="checkbox"/>	

LIQUID PENETRANT EXAMINATION

METHOD		SOLVENT		CLEANER		EMULSIFIER		DEVELOPER				DRY <input type="checkbox"/> NON- WET <input type="checkbox"/> AQUEOUS					
BRAND NO.		BATCH NO.		DWELL TIME		BRAND NO.		BATCH NO.		EMULS. TIME		BRAND NO.		BATCH NO.		DEV. TIME	
PART NO.				TOTAL LENGTH EXAMINED		TYPE OF WORK		NO. OF ITEMS ACCEPTED		NO. OF ITEMS REJECTED							
				FEET		INCHES		NEW <input type="checkbox"/> REPAIR <input type="checkbox"/>									

TYPE OF DEFECTS CODE

C = Creeks

P = Porosity

NF = Non-Fusion

LI = Linear Indication

S = Slow

LA – Lamination

OTHER -- Specify

[illegible]

_____ A.M.	_____ A.M.	Technician _____	SNT-TC-1A Level _____
I N _____ P.M.	O U T _____ P.M.	Asst. Technician _____	
Total Hours at Jobsite _____		Customer _____	
Lunch _____	Standby _____	Travel _____	
Total Hours _____	Total Mileage _____	Witnessed by _____	SIGNATURE
		ENCLOSURE ADDED Yes <input type="checkbox"/> No <input type="checkbox"/>	Page _____ of _____

GEO CONSTRUCTION TESTING

assumes no responsibility for losses of any kind due to interpretation.

TO: EBASCO Q.A.

7-8-83

FROM: MERCURY NCR DEPT.

COPY

SUBJECT: FILE REFERENCE W3NCR-16779 DATED 6/30/83.

NCR W3-6238(MERCURY). IN ANSWER TO A REQUEST FOR ADDITIONAL CORRECTIVE ACTION, THE FOLLOWING INFORMATION IS SUBMITTED.

ATTACHMENT NO. 7, PAGE 3 OF 21, STATES IN ITEM 4 THAT AT FW9 MINIMUM WALL HAS BEEN VIOLATED PER MEASUREMENTS AT WALL OF .511 AND .500 AT AFFECTED AREA. PER PAGE 20 OF 21, ATTACHMENT 7, A PENETRANT TEST REQUESTED WAS NOT SUBMITTED TO EBASCO FOR REVIEW.

THERE IS NO TUBING WITH A WALL MEASUREMENT OF .511 INSTALLED BY MERCURY AND NO RECORD CAN BE FOUND AS TO WHAT ELSE IS INVOLVED. THE ORIGINAL PROBLEM IN MERCURY NCR 894 STATED THAT AT FW9 THERE WAS A GULGE ON A TEE, WITH A WALL MEASUREMENT FAR GREATER THAN .511. A COPY OF GEO-PT 17600 IS BEING SUBMITTED TO EBASCO WITH THIS LETTER, REFERENCE PAGE 20 OF ATTACHMENT 7.

THE FORM 211 REFERENCED AS ATTACHMENT NO. 7, PAGE 3 OF 21 IS NOT A SIGNED AND DATED DOCUMENT AND WAS SENT IN ERROR AS PART OF THE ORIGINAL PACKAGE TO EBASCO.

BECAUSE OF THE STATEMENTS ABOVE, WE REQUEST YOU TO DELETE THIS REFERENCED SHEET FROM YOUR RECORDS, AND CLOSE NCR W3-6238.

Don Buccini QAB
MERCURY NCR DEPT. 7-8-83

1 and
7/17/83**EBASCO**

Interoffice Correspondence

TO L. Gelbert/Dan Burcini

DATE July 15, 1983

FILE REF. 17033

OFFICE LOCATION

Mercury QA/QC Manager/QAE

FROM L. W. Jagger

OFFICE LOCATION

Ebasco Lead QAE

SUBJECT LOUISIANA POWER & LIGHT COMPANY
WATERFORD STEAM ELECTRIC STATION
1983-1165 MW INSTALLATION - UNIT NO. 3
NONCONFORMANCE REPORT W3-6238 (Attachment #8 page 1 of 1)

The referenced attachment #8 page 1 of 1 last paragraph cannot be complied with.

All questionable conditions that are brought forth in any attachment used to close, disposition, or evaluate disposition of Non Conformance Report has to be answered in an acceptable manner to properly close the Non Conformance Reports so that they are acceptable to the Client/NRC.

NCR W3-4805/894 copy attached to NCR W3-6230 to document and to be used to substantiate Corrective Action completed.

No documentation can be found to verify acceptance of this condition of min. wall violation on tee.

Please provide supporting documentations or Corrective Action should be performed. Acceptable PT reports cannot be used to verify minimum wall violations.

Your assistance in clarifying this, and similiar problems is appreciated. Should you have any questions please call me at extension #495 Ebasco Quality Engineering.

LWJ/jbr

cc: (w/attachments)
J. Woodhouse
QAS File
W3NCR File
L. Bass
D. Rively
L. Jagger
G. Mahan
E. Stanley

MERCURY IS
RESUBMITTING THIS NCR w/COPY
OF 211 DATED 7-7-83 FOR YOUR FURTHER
EVALUATION.

John J. Jagger QAE
7-18-83



INSTRUCTIONS:

1. MQC to prepare this report for miscellaneous inspection, tests, and reports.
2. Record applicable references and requirements.
3. _____
to prepare this report.

DISTRIBUTION:

Original to: ☐ MQA
☐ MQC Proj. Folder

Copies to:

☐ MQC ☐ Customer ☐ _____
☐ Proj. Mgr. ☐ _____ ☐ _____

SUBJECT: NCR 894

REFERENCE: Q.R.832 53A
168-L-001A Sht. 1 of 2 Rev. 7
PS-CH-0224V

Measurements were taken on tee at FW9 to determine if min. wall has been violated.

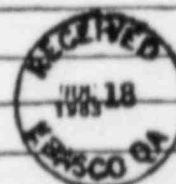
Unaffected area .805" O.D.

Affected area .795" O.D.

TE 589.

Note:

This attachment is verification of measurements for item #9 attachment #7 pg 3 of 21 of NCR W3-0238 evaluation of this is covered under NCR W3-4005 Attachment #1 page 2 of 4 this NCR is closed by Jagger LBAE Chasco DA Cognigni 7-18-83



By

F. J. Jagger

MQC

DATE

1. INITIATOR SHALL PREPARE THIS REPORT AS REQUIRED FOR NONCONFORMING MATERIAL ASSEMBLY INSPECTION OR TEST

INSTR. NO. LT-SI-0311 LP

OCR 1724 LOOP

S/U 600 BLDG PCB

DWG. NO. 167-T 049C /RID

ASME III CLASS P-2 SEISMIC

6/23/83

2. DESCRIPTION OF NONCONFORMANCE FW 49, LOCATED BETWEEN CONDENSATE PCT SW 1A2 AND VALVE 2 ST-V 609-9 IS REQUIRED TO HAVE A 5/16" WELD. THE Scribed ID OF THE WELDER ON FW 49 IS M-198. THE WELD DATA SHEET SHOWS A CROSS OUT OF 198 & M-51 IS INSERTED IN ITS PLACE. RESEARCH OF THE FMWA'S TURN UP BUT ONE WELDER, M-51 AS HAVING DRAWN ROD ON THAT LINE FOR THAT DATE. IT INDICATES THAT M-51 DID THE WELDING EVEN THOUGH THE SCRIBE MARKS DO NOT INDICATE SO. THERE IS ONE PT WHICH ACCEPTS THE WELD. AN ATTEMPT WAS MADE TO VERIFY THE WELD SIZE BUT THE CLOSE TO CORNER OF THE INSTALLATION IS PROHIBITIVE OF THE REQUIRED ROOM TO USE THE GAUGE. ATTACHED ARE FILM# 36866, PT# 16967, ZII REPORT & WELD DATA FOR THE WELD. THE WELD AT A GUESS IS ABOUT THE REQUIRED SIZE.

3. ITEM PLACED ON HOLD YELLOW HOLD TAG NO 6226 attached to item

Initiated by *[Signature]* Date 6-20-83

4. RECOMMENDED DISPOSITION

By Project Manager *[Signature]* Date 6-23-83

- ☐ Use As Is 1. ASCERTAIN THE WELD SIZE UTILIZING ECHOLLO
- ☐ Repair or Rework WELDING BEGINNER AND DOCUMENT SAME.
- ☐ Reject Scrap 2. SINCE DECONTAMINATION IN EFFECT CURRENTLY
- ☐ Reject Return to Vendor INDICATES M-51 AS THE APPLICABLE WELDER.

5. DISPOSITION REVIEW

☒ Approved ☐ Denied

6. ☐ ORANGE Conditional Release Tag No N/A attached to item

Accepted *[Signature]* GAM 6/23/83 Date 6/24/83

Reviewed *[Signature]* GAM 6-24-83 Date

☐ RED Reel Tag No N/A attached to item

7. RECOMMENDED DISPOSITION COMPLETED DISPOSITION COMPLETED
FW 49 RI DOCUMENTED & ACCEPTED, ACCEPTED
PT REPORT # 17576 IS ATTACHED.

WOC *[Signature]* Date 6-25-83

MERCURY OVA RECORD COPY					
DISTRIBUTION	QA	QC	PURCH	FEED	SHIP
CAR RESP					
VON RESP					
MOD IF DISPOSITION	✓		✓		✓
OTHER					

9. CORRECTIVE ACTION REQUEST (CAR) ISSUED

☐ YES ☒ NO CAR NO

GAM *[Signature]* Date 6/25/83

VENDOR DEFICIENCY NOTICE (VDN) ISSUED

☐ YES ☒ NO VDN NO

GAM *[Signature]* Date 6/25/83

10. REMARKS 6/23/83 THEREFORE LIGHTLY BUFF OUT M-198 AND REELECT M-51 AT PW#49. DOCUMENT SAME. 3. DUBM/ DOCUMENTED SIZE OF PW#49 TO ENGINEERING FOR EVALUATION AND FINAL DISPOSITION OF THIS NCR. 26/83 PER ATTACHED FORM-211 WELD IS UNDER 1/16". BUILD UP PW#49 TO 5/16". REMOVE

[Signature] 6-24-83

FOIA-85-123 E/5

1. INSTRUCTIONS:

1. MQC to prepare this report for miscellaneous inspection, tests, and reports.
2. Record applicable references and requirements.
3. to prepare this report.

DISTRIBUTION:

Original to: ☐ MQA
☐ MQC Proj. Folder

Copies to:

☐ MQC ☐ Customer ☐ _____
☐ Proj. Mgr. ☐ _____ ☐ _____

SUBJECT: OCR 1724, NCR 3462
SUS 60C FW#49
INSTR. NO. LT-SI-0311 LP

REFERENCE: DWG 167-T-049C Rev 10

Reinspection of FW#49 to verify weld size.
FW#49 found to be undersize. Measurements are
Ver. Leg measurement to be $3/8"$ Hery. Leg $1/4"$, weld
is undersize by $1/8"$ (SEE below)

MERCURY Q/A
RECORD COPY

Violation of Mercury Procedure SP-664 (Reference NCR-W3-7317)

The following Mercury NCR has been reviewed and accepted by Ebasco, in lieu of the specific requirements for upgrading as required by Mercury Procedure SP-664, Paragraph 5.3.1:

Mercury NCR Number

3462

Ebasco QA Engineering

Henric R. G. Henric R. G. GAE 11-3-83

Name/Signature

Title

Date

Ebasco Construction Engineering

G. TRUETT J. TRUETT I.C. ENG 11/3/83

Name/Signature

Title

Date



MERCURY Q/A RECORD COPY

QUALITY CONTROL
WELD DATA REPORT
SHEET 8 OF 15

(00121724)

PROJECT NO. N49720
CONTRACT NO. W3-NY
PROJECT NAME - WATERFORD III
ASME SECTION III, CLASS 2 ☒
ASME SECTION III, CLASS 3 ☐

SUS NO. 60C OCR NO. 1724 INSTRUMENT NO. LT-SI-0311 DWG. NO. 167-T-049C REV. 1

RACK/CABINET/PANEL C#7 A.N.I. REVIEW 11-30-82

WELD NO.	HEAT NO.	WELD SIZE	P/T SIZE	**	WELDER	FMWA	WPS-REV-	FIT-UP INSP.	FIT-UP INSP.	FINAL INSP.	FINAL INSP.	PT INSP.	GEO PT INSP.
45	3110R- CAJON 316 467061	1/8"	1/2"	FL	M143	36971	D 13	3110.5 R-6 12-5-82 REJECT	A.N.I.	3110.5 R-6	A.N.I.	A.N.I.	
46	3110R-4 CAJON 316 467061	1/8"	1/2"	FL	M348	36779	D 13	3110.5 R-6 KPM 12-482	A.N.I.	3110.5 R-6	A.N.I.	A.N.I.	Rm 12/27 GEO-PT #14776
47	3110R- CAJON 316 467061	1/8"	1/2"	FL	M143	36971	D 13	3110.5 R-6 12-5-82	A.N.I.	3110.5 R-6	A.N.I.	A.N.I.	Rm 12/27 GEO-PT #14776
48	3110R- CAJON 316 VENDOR SUPPLY	1/8"	1/2"	FL	M342	36575	D-13	3110.5 R-6 12-2-82	A.N.I.	3110.5 R-6	A.N.I.	A.N.I.	Rm 12/27 GEO-PT #14735
49	3110R- 462574	5/16"	1 1/2"	FL	M-51	36866	D 13	3110.5 R-6 12-1-82	A.N.I.	3110.5 R-6	A.N.I.	A.N.I.	Rm 5/20 16967A #14776
50	3110R- 462574 VALVE 251-V-609-9	5/16"	1 1/2"	FL	M-342	36604	D-13	3110.5 R-6 12-3-82	A.N.I.	3110.5 R-6	A.N.I.	A.N.I.	Rm 12/6/82 #14773
51	3110R-4 94484 1/4" 6000 A182F	1/4"	1/2"	FL	M-342	36575	D 13	3110.5 R-6 12-2-82	A.N.I.	3110.5 R-6	A.N.I.	A.N.I.	Rm 12/6/82 GEO-PT #14772

REWORK OF REJECTED WELDS: INDICATE LOCATION, JOINT NO., AND REASON FOR REJECTION

FW 45 FIT UP REJECTED 12-5-82

* GEO-PT 15315 FW 46 ACCEPTED 11-18-83

* GEO-PT 16041 FW 49 REJECTED WP 1-1-83

* GEO-PT 16489 FW 49 REJECTED WP 4-18-83

** FU = FIT-UP, FL = FINAL

* DOC TO VERIFY MATERIAL CONFORMS TO APPROVED DRAWING

NCR NO.'s

M.Q.A. REVIEW

COMPLETE DATE 6-13-

A.N.I. REVIEW:

COMPLETE DATE

FORM 197-3 (10-4-82)

NCR 3462
Req 134E
Sys 60C
CER 1724
25 Feb 73

$$2 \leq p_{n+1} \leq 3$$

PC# OR SN#	ACC	REJ	DEFECT CODE	REMARKS	PC# OR SN#	ACC	REJ	DEFECT CODE	REMARKS
FW49	✓			N.A.D.					
MERCURY Q/A RECORD COPY									

MERCURY Q/A
RECORD COPY

_____ A.M. _____ A.M. Technician Alan Lott SNT TC 1A Level II
 I _____ O _____
 N _____ P.M. U _____ Asst. Technician N/A
 _____ T _____ P.M. Customer _____
 Total Hours at Job Site N/A _____
 Lunch _____ Standby _____ Travel _____

 Total Hours N/A Total Mileage _____
 ENCLOSURE ADDED Yes ☐ No ☒ SIGNATURE _____
 Page 1 of 1

GEO CONSTRUCTION TESTING
assumes no responsibility for losses of any kind due to interpretation

NCR 3462

SERIAL NO. 36866

MERCURY CO. OF NORWOOD
P.O. Box 782
Killona, LA 70066

COPY

FILLER METAL WITHDRAWAL AUTHORIZATION

SYSTEM BOC DWG. NO. 167-T-049-C
OCR NO. 1724 WELD PROC. D 13
WORK UNIT/INSTRUMENT NO. LT-SE-0313, LT-SE-0313, LT SE 0311
WELDER'S NAME L. W. Williams STAMP NO. M-51
AUTHORIZED SIGNATURE [Signature] DATE 12-1-82

FILLER MATERIALS ISSUED:

QUANTITY 10 pc TYPE ER-316 SIZE 3/32
LOT AND HEAT NO. C4136T316
ISSUED BY R. MARAHO DATE 12-1-82

FILLER MATERIALS RETURNED:

QUANTITY 5 TYPE ER516 SIZE 3/32
LOT AND HEAT NO. C4136T316
CHECKED BY [Signature] DATE 12-1-82

MERCURY Q/A
RECORD COPY

M. Q. C. REVIEW

[Signature] 12/1/82
8:40 AM

MERCURY Q/A
RECORD COPY



OCR. 1724
 DWG. 167-700490
 INSTR. _____

NONCONFORMANCE NO. 3462
 JOB NUMBER: N49720
 DATE: 6-24-, 1983
 ASME III, CL. 2
 SUS: 600 BLDG. —
 LOOP # —

DISPOSITION OF NONCONFORMANCE (CONT'D)

DOCUMENTATION TO REFLECT THIS WORK. DO WORK,
 INSPECTION AND DOCUMENTATION PER APPROVED
 PROCEDURES.

L. J. Mac
 6/24/83

MERCURY Q/A
 RECORD COPY



Construction Testing



FOSTER CITY - MAIN OFFICE 1118 Chess Drive, Foster City, CA 94404, (415) 573-6000

SAN LEANDRO OFFICE 2506 Davis Street, San Leandro, CA 94577, (415) 502-7500

SAT. 7 OF 7

3Y560C
CLR 1734A
REQ 845B
XCR 3462

QC McCleash

CERTIFIED REPORT of NONDESTRUCTIVE EXAMINATION

CUSTOMER EBASCO SERVICE'S INC. (MERCURY)		DATE 6-25-83	
ADDRESS P.O. BOX 70 KILLONA LA		CONTROL NO. OR REPORT NO. 886-2583	
JOB OR PROJECT LOCATION WATERFORD II		P.O. NO. W3-NY-26	PLAN OR DWG. NO. 167-T049-C R10
SURFACE CONDITION AS BUFFED	HEAT NO. N/A	HEAT TREAT BEFORE <input checked="" type="checkbox"/> AFTER <input type="checkbox"/>	TEMP. OF MAT'L 85°F
TYPE OF EXAMINATION UT <input type="checkbox"/> MT <input type="checkbox"/> PT <input checked="" type="checkbox"/>	EXAMINATION STANDARD ASME SEC III NC5000	ACCEPTANCE STANDARD PARA. 8.3.30 & 8.23.4.1 REV. 1903-1	N.D.T. PROCEDURE NO.

ULTRASONIC EXAMINATION					
EQUIPMENT N/A	TRANSDUCER	TEST BLOCK	METHOD USED	SCANNING METHOD	SENSITIVITY LEVEL →

MAGNETIC PARTICLE EXAMINATION					
EQUIPMENT N/A	DRY <input type="checkbox"/>	VISIBLE <input type="checkbox"/>	AC <input type="checkbox"/> DC <input type="checkbox"/>	AMPERAGE	PROD. SPACING
	WET <input type="checkbox"/>	FLUORESCENT <input type="checkbox"/>	RECTIFIED <input type="checkbox"/>		PARTICLES - COLOR →

LIQUID PENETRANT EXAMINATION									
METHOD VIS-DYE	PENETRANT		CLEANER		EMULSIFIER		DEVELOPER		
SOL-REM	BRAND NO. SKL-HB 812-111	BATCH NO. 11/11/81	OWELL TIME 11 MIN.	BRAND NO. SKL-NF 832024	BATCH NO.	BRAND NO.	BATCH NO.	EMULS. TIME	BRAND NO.
PRINT NO. GENE*	TOTAL LENGTH EXAMINED		TYPE OF WORK		NO. OF ITEMS ACCEPTED		NO. OF ITEMS REJECTED		
ST-52-0311 (LP)	(1) 1" SOCKET WELD 100% REQ		NEW <input checked="" type="checkbox"/> REPAIR <input type="checkbox"/>		1		0		

TYPE OF DEFECTS CODE									
C - Cracks	P - Porosity	NF - Non-Fusion	LI - Linear Indication	S - Slag	LA - Lamination	OTHER - Specify			
PC# OR SN#	ACC	REJ	DEFECT CODE	REMARKS	PC# OR SN#	ACC	REJ	DEFECT CODE	REMARKS
FW 49 R1				N.A.D					
<div style="position: absolute; top: 10px; left: 10px; font-size: 2em; opacity: 0.5;">MERCURY Q/A RECORD COPY</div> <div style="position: absolute; top: 50px; left: 400px; border: 1px solid black; padding: 5px;"> M.Q.C. REVIEW <i>J. H. H.</i> 6/25/83 </div>									

A.M. _____ P.M. _____ Total Hours at Jobsite _____ Lunch _____ Standby _____ Travel _____ Total Hours _____		A.M. _____ P.M. _____ Technician <i>Donald Brade</i> Asst. Technician N/A Customer _____ Witnessed by N/A ENCLOSURE ADDED Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		SNT-TC-1A Level II SIGNATURE Page 1 of 1
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Form 194



Mercury Co.
of Norwood, Inc.
A Fischback Company

THIS TAG IS TO BE REMOVED BY MQC ONLY

HOLD

Hold Tag No. H - 6226 LITZ

This item is placed on temporary HOLD and is not to be further processed until authorized by MQC.

- ☐ Mercury Purchased
☐ Customer Furnished

Job # _____ P. O. # _____

Item Ident. 002872 SUS 53A
INST # CT-CH-0226/0227 (L.P.)

Placed on HOLD by ME Date 6-21-83

Reason for HOLD: Unauthorized PL#44
& 47A PL#49 unauthorized
& resubmit #

NONCONFORMANCE NO. 3462

DISPOSITION:

- ☐ OK - release hold, use as is
☐ REJECT Tag No. R- _____
☐ CONDITIONAL RELEASE No C- _____
☒ Build up & Document

DISPOSITION AUTHORIZED BY:

ME MQC 2183 DATE: _____

WHEN RELEASED FROM HOLD RETURN THIS TAG TO QUALITY ASSURANCE DEPARTMENT

REMOVED BY: ME MQC 2183 DATE: _____

1. INITIATOR SHALL PREPARE THIS REPORT AS REQUIRED FOR NONCONFORMING MATERIAL ASSEMBLY INSPECTION OR TEST

INSTR. NO. FECL-7570B15 & FE-CC-7570B25 OCR 1856 LOOP S/U 43A BLDG RCB
DWG. NO. 160T048A ASME III CLASS P2 SEISMIC I

2. DESCRIPTION OF NONCONFORMANCE ^① FW 36 (3CC-V 617-23) ^② FW 1 (3CC-V 617-24) ^③ FW 28 (3CC-V 617-7) & ^④ FW 1 (3CC-V 617-8). ALL OF THE ABOVE WELDS ARE LESS THAN THE $\frac{1}{4}$ " REQUIRED, ACCORDING TO THE WELD DATA CARDS. ALL OF THESE WELDS ARE ADAPTER WELDS TO VALVES AND IN ACCORDANCE WITH THE CODE ARE CONSIDERED TO BE LESS THAN ACCEPTABLE. IT IS REQUESTED THAT CONSIDERATION IN ACCORDANCE WITH ASME 9-16 6/22/83 LETTER 5-7060-83 BE GIVEN CONSIDERATION WITH THE DISPOSITION OF THE ABOVE 4 WELD CONDITIONS.

3. ITEM PLACED ON HOLD YELLOW HOLD TAG NO ① 6246 ② 6247 ③ 6248 ④ 6249 attached to item Initialed by [Signature] Date 6-22-83

4. RECOMMENDED DISPOSITION
☐ Use As Is 1. THESE WELDS ARE IN COMPLIANCE WITH ASME
☐ Repair or Rework NC-3643, 1 (L) (4) (A) (4) & FIG. NC-4427.1. A MINIMUM
☐ Reject Scrap WELD SIZE OF 1/8" IS ACCEPTABLE 2. SINCE ALL
☐ Reject Return to Vendor THE ABOVE WELDS ARE GREATER THAN 1/8"

5. DISPOSITION REVIEW ☒ Approved ☐ Denied
Accepted [Signature] QAM 6/22/83 Date
Reviewed [Signature] ANI 6-22-83 Date

6. ☐ ORANGE Conditional Release Tag No _____ attached to item
☐ RED Reject Tag No _____ attached to item

7. RECOMMENDED DISPOSITION COMPLETED CLOSED PER ABOVE RECOMMENDED DIS-
POSITION AND PER ATTACHMENTS, 6-22-83

**MERCURY Q/A
RECORD COPY**

MOC [Signature] Date 6-22-83

DISTRIBUTION	ORG QA	VP	PM	AN	PURCH	FIELD SUPT	SHOP SUPT	MOC REQUEST FOLDER
CAR RESP								
WON RESP								
NO INFORMATION								
OTHER								

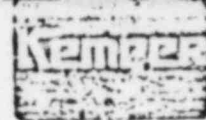
8. CORRECTIVE ACTION REQUEST (CAR) ISSUED
☐ YES ☒ NO CAR NO _____
QAM J.W. Huff Date 6/22/83
VENDOR DEFICIENCY NOTICE (VDN) ISSUED
☐ YES ☒ NO VDN NO _____
QAM J.W. Huff Date 6/22/83

9. REMARKS 6/22/83 CLOSE THIS NCR.

FOIA-95-123 E/6

Reply Letter #17

1 10F2



Date April 16, 1983

ATTACHMENT TO

NCR-3482

Reply Letter

To David Eldridge, Site Project Manager, Mercury Company of Norwood, Inc.

☐ Return To None

Previous Comm. None

Regarding Technical Inquiry 1527

All fillet welds over 1/8" in Mercury's application, will be acceptable for all configurations. This is as a result of the above mentioned technical inquiry and Ebasco's agreement to request an interpretation from the ASME for required fillet weld sizes.

Ebasco, New York Design Representative identified in a telephone conference held at Ebasco's site offices, which included J.D. Ellis, ANIS. This conference identified that Ebasco, New York were in contact with ASME committee members that agrees with the opinion of the above referenced technical inquiry.

3 - Sign name if other than addressee

4-16-83

RE

Ellis, ANI

NO REPLY REQ'D.

MERCURY Q/A
RECORD COPY



TECHNICAL INQUIRY

No 1527



INSURANCE
COMPANIES

#120F2

TO: J. D. Ellis, ANIS

ATTACHMENT TO NCR-3482

RESPONDENT

FROM: B. R. Russell, ANI

INQUIRER

CLIENT: Mercury Company of Norwood, Inc.

DATE: April 16, 1983

JOB NUMBER: N49720

CLASS: 2

APPLICABLE CODE: ASME III

EDITION: 1974S1976

ADDENDA:

PROBLEM STATEMENT:

The size requirements for socket welded connections given in Figures NC-3673-2(b)-3 and NC-4427-1 are computed from pipe (branch) wall thickness. In terms of socket welded connections in a pipe run, other than piping, such as a reducer fitting welded to a valve (to accomodate the branch run size), is it required to utilize the wall thickness of the fitting to determine the size of the fillet weld required to weld the fitting to the valve?

CODE REFERENCES:

NC 4427 Figure NC-4427-1 NC-3661.2 NC-3643.1(c)(4)(c)(4) Figure NC-3673-2(b)-3

INQUIRER'S PROPOSED SOLUTION:

The weld size requirements for socket welded fittings in a pipe run shall be computed from the nominal branch wall thickness. NC-3643.1(c)(4)(a)(4) requires fillet welds for branch connections be not less than 1.09 times the nominal branch wall thickness.

An additional restriction is imposed by NC-3661.2 and Figure NC-4427-1 limiting the minimum fillet weld size to 1/8".

INQUIRER

B. R. Russell

SIGNATURE

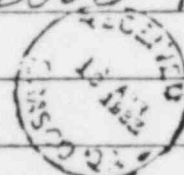
DATE

4-16-83

RESPONDENT'S RECOMMENDATION:

THE PROPOSED SOLUTION STATED ABOVE IS CORRECT.

MERCURY Q/A
RECORD COPY



RESPONDENT

SIGNATURE

DATE

4-16-83

1. INITIATOR SHALL PREPARE THIS REPORT AS REQUIRED FOR NONCONFORMING MATERIAL ASSEMBLY INSPECTION OR TEST

INSTR. NO. FECC-7570B15 & FE-CC-7570B25 OCR 1856 LOOP S/U 43A BLDG R/B
DWS. NO. 1607048A ASME III CLASS P2 SEISMIC I

2. DESCRIPTION OF NONCONFORMANCE ^①FW 36 (3CC-V 617-23) ^②FW 1 (3CC-V 617-24) ^③FW 28 (3CC-V 617-7) & ^④FW 1 (3CC-V 617-8). ALL OF THE ABOVE WELDS ARE LESS THAN THE $\frac{1}{4}$ " REQUIRED, ACCORDING TO THE WELD DATA CARDS. ALL OF THESE WELDS ARE ADAPTER WELDS TO VALVES AND IN ACCORDANCE WITH THE CODE ARE CONSIDERED TO BE LESS THAN ACCEPTABLE. IT IS REQUESTED THAT CONSIDERATION IN ACCORDANCE WITH 3-18-83 LETTER 4-16 AB 411/83 TECH. INQUIRY #1527 6/22/83 ES 7060-83 BE GIVEN CONSIDERATION WITH THE DISPOSITION OF THE ABOVE $\frac{1}{4}$ " WELD CONDITIONS.

3. ITEM PLACED ON HOLD YELLOW HOLD TAG No. ① 6246 ② 6247 attached to item
③ 6248 ④ 6249 Initialed by X. Kitz Date 6-22-83

4. RECOMMENDED DISPOSITION By Project Manager _____ Date _____
☐ Use As Is 1. THESE WELLS
☐ Repair or Rework _____
☐ Reject Scrap _____
☐ Reject Return to Vendor _____

5. DISPOSITION REVIEW ☐ Approved ☐ Denied
Accepted _____ QAM _____ Date _____
Reviewed _____ ANI _____ Date _____
6. ☐ ORANGE Conditional Release Tag No. _____ attached to item.
☐ RED Reject Tag No. _____ attached to item.

7. RECOMMENDED DISPOSITION COMPLETED _____
MOC _____ Date _____

DISTRIBUTION	ORIG. QA	VP	PW	AME	PURCH	FIELD SUPT	SHOP SUPT	MOC PROJECT FOLDER
CAR RESP								
VON RESP								
FOR INFORMATION								
OTHER								

8. CORRECTIVE ACTION REQUEST (CAR) ISSUED
☐ YES ☐ NO CAR No. _____
QAM _____ Date _____
VENDOR DEFICIENCY NOTICE (VDN) ISSUED
☐ YES ☐ NO VDN No. _____
QAM _____ Date _____

10. REMARKS _____



ATTACHMENT TO

NCK-3482

Reply Letter

Date April 16, 1983

To David Eldridge, Site Project Manager, Mercury Company of Norwood, Inc.

☐ Return To None

Previous Comm. None

Regarding Technical Inquiry 1527

All fillet welds over 1/8" in Mercury's application, will be acceptable for all configurations. This is as a result of the above mentioned technical inquiry and Ebasco's agreement to request an interpretation from the ASME for required fillet weld sizes.

Ebasco, New York Design Representative identified in a telephone conference held at Ebasco's site offices, which included J.D. Ellis, ANIS. This conference identified that Ebasco, New York were in contact with ASME committee members that agrees with the opinion of the above referenced technical inquiry.

3 - Sign name if other than addressee

4-16-83

Ebasco, ANI

NO REPLY REQ'D.



TECHNICAL INQUIRY

No 1527



INSURANCE
COMPANIES

TO: J. D. Ellis, ANIS

ATTACHMENT TO NCR-3482

RESPONDENT

FROM: B. R. Russell, ANI

INQUIRER

CLIENT: Mercury Company of Norwood, Inc.

DATE: April 16, 1983

JOB NUMBER: N49720

CLASS: 2

APPLICABLE CODE: ASME III

EDITION: 1974S1976

ADDENDA:

PROBLEM STATEMENT:

The size requirements for socket welded connections given in Figures NC-3673-2(b)-3 and NC-4427-1 are computed from pipe (branch) wall thickness. In terms of socket welded connections in a pipe run, other than piping, such as a reducer fitting welded to a valve (to accomodate the branch run size), is it required to utilize the wall thickness of the fitting to determine the size of the fillet weld required to weld the fitting to the valve?

CODE REFERENCES:

NC 4427 Figure NC-4427-1 NC-3661.2 NC-3643.1(c)(4)(c)(4) Figure NC-3673-2(b)-3

INQUIRER'S PROPOSED SOLUTION:

The weld size requirements for socket welded fittings in a pipe run shall be computed from the nominal branch wall thickness. NC-3643.1(c)(4)(a)(4) requires fillet welds for branch connections be not less than 1.09 times the nominal branch wall thickness. An additional restriction is imposed by NC-3661.2 and Figure NC-4427-1 limiting the minimum fillet weld size to 1/8".

INQUIRER

B. R. Russell

SIGNATURE

DATE

4-16-83

RESPONDENT'S RECOMMENDATION:

THE PROPOSED SOLUTION STATED ABOVE IS
CORRECT.

RECORDED
INDEXED
MAY 10 1983



RESPONDENT

SIGNATURE

J. D. Ellis

DATE

4-16-83

Form 194



Mercury Co.
of Norwood, Inc.
A Fischback Company

THIS TAG IS TO BE REMOVED BY MQC ONLY.

HOLD (2)

Hold Tag No. **H - 6247** LITZ

This item is placed on temporary HOLD and is not to be further processed until authorized by MQC.

☐ Mercury Purchased

☐ Customer Furnished

Job # _____ P. O. # _____

Item Ident. CCR 1856 SUS 434

Placed on HOLD by WJ Date 6-22-83

Reason for HOLD: Final Under Size

on V14-3CC-V617-24

NONCONFORMANCE NO. 3482

DISPOSITION:

☐ OK - release hold, use as is

☐ REJECT Tag No. R- _____

☐ CONDITIONAL RELEASE No. C- _____

☒ _____

DISPOSITION AUTHORIZED BY:

Joe As I MQC 6-22-83 DATE

WHEN RELEASED FROM HOLD RETURN THIS TAG TO QUALITY ASSURANCE DEPARTMENT.

REMOVED BY: LITZ MQC 6-22-83 DATE

Form 194



Mercury Co.
of Norwood, Inc.
A Fischback Company

THIS TAG IS TO BE REMOVED BY MQC ONLY

HOLD (3)

Hold Tag No. H - 6248

LITZ

This item is placed on temporary HOLD and is not to be further processed until authorized by MQC.

☐ Mercury Purchased

☐ Customer Furnished

Job # _____ P. O. # _____

Item Ident. QCL 1856 SVS 43A

Placed on HOLD by ME Date 6-22-84

Reason for HOLD: Excess inventory
3CC-VG17-7

NONCONFORMANCE NO. 3452

DISPOSITION:

☐ OK - release hold, use as is

☐ REJECT Tag No. R- _____

☐ CONDITIONAL RELEASE No. C- _____

☒ Use As Is

DISPOSITION AUTHORIZED BY:

ME MQC 6-22-84 DATE

WHEN RELEASED FROM HOLD RETURN THIS TAG
TO QUALITY ASSURANCE DEPARTMENT.

REMOVED BY: ME MQC 6-23-84 DATE

Form 194



Mercury Co.
of Norwood, Inc.
A Fischback Company

THIS TAG IS TO BE REMOVED BY MQC ONLY

HOLD

Hold Tag No. H - 6249

(4)
LIT2

This item is placed on temporary HOLD and is not to be further processed until authorized by MQC.

☐ Mercury Purchased

☐ Customer Furnished

Job # _____ P. O. # _____

Item Ident. OCR 1356 S-143A

Placed on HOLD by JAC Date 6-22-8

Reason for HOLD: EDGE 140255.20

ON SCC-V617-8

NONCONFORMANCE NO. 3482

DISPOSITION:

☐ OK - release hold, use as is

☐ REJECT Tag No. R- _____

☐ CONDITIONAL RELEASE No. C- _____

☒ Use as Is

DISPOSITION AUTHORIZED BY:

JAC MQC 6-22-8 DATE

WHEN RELEASED FROM HOLD RETURN THIS TAG TO QUALITY ASSURANCE DEPARTMENT

REMOVED BY: JAC MQC 6-22-8 DATE

Form 194



Mercury Co.
of Norwood, Inc.
A Fischback Company

THIS TAG IS TO BE REMOVED BY MQC ONLY

HOLD ①

Hold Tag No. H - 6246 LIT2

This item is placed on temporary HOLD and is not to be further processed until authorized by MQC.

☐ Mercury Purchased

☐ Customer Furnished

Job # _____ P. O. # _____

Item Ident. OCR 1456 SUS 43A

Placed on HOLD by JH Date 6-22-81

Reason for HOLD: EQ # 36 UNDERPULSE

on Valve - 3CC-UG17.23

NONCONFORMANCE NO. 3482

DISPOSITION:

☐ OK - release hold, use as is

☐ REJECT Tag No. R- _____

☐ CONDITIONAL RELEASE No. C- _____

☒ Use As Is

DISPOSITION AUTHORIZED BY: _____

_____ MQC _____ DATE _____

WHEN RELEASED FROM HOLD RETURN THIS TAG TO QUALITY ASSURANCE DEPARTMENT.

REMOVED BY: JH MQC 0503 DATE _____

1. INSPECTOR SHALL PREPARE THIS REPORT AS REQUIRED FOR NONCONFORMING MATERIAL ASSEMBLY INSPECTION OR TEST
INSTR. NO. LT-CH 0226/0227 (LP) OCR 872 LOOP
DWG. NO. 168L 003A R/A ASME III CLASS 2 SEISMIC I

S/U 53A BLDGRCB

2. DESCRIPTION OF NONCONFORMANCE FW 46A FW 47A (M 143) FOR 197-2 Ref DWG, 000 M 004 N R2
CALLS FOR A 5/16" WELD. NCR 3457 WAS PROCESSED TO GIVE THE MAXIMUM WELD
POSSIBLE. THE PROBLEM IS AN ENGINEERING ONE. THE ROOT VALVE FURNISHED FOR INSTALL
OF THE 160 SCH SS PIPE TO THE CONDENSATE PCT ONLY HAS A 1/4" SHOULDER (PER
ATTACHED SKETCH "B") THE MAXIMUM WELD POSSIBLE IS FLUSH WITH THE VALVE SURFACE
WHICH IS ONLY 1/4". A FURTHER BUILD UP ABOVE THIS WOULD RESULT IN A NOTCH
PROBLEM. THE CODE HOWEVER SAYS A 1/4" WELD IS NOT SUFFICIENT. IE ANI
REQUESTED A BUILD UP TO 5/16" HOWEVER HE WAS NOT AWARE OF THE 1/4"
SHOULDER. END RESULT IS A REQUIRED DISPOSITION. SINCE T/B FURNISHES
THE VALVE THEN FBASCO SHOULD BE ABLE TO RENDER AN ANSWER FOR THIS

3. ITEM PLACED ON HOLD YELLOW HOLD TAG NO 6290 attached to item
6291

By [Signature] Date 6-24-83

4. RECOMMENDED DISPOSITION

- ☐ Use As Is 1. ALTHOUGH THE PIPE IS SCH 160 THE VALVE
☐ Repair or Rework 2CH-V199-1 IS SCH 80. THEREFORE MINIMUM
☐ Rec't Scrap WELD SIZE AT THE ROOT VALVE SHALL BE 0.125"
☐ Rec't Return to Vendor SINCE WELD IS LESS THAN 1/4" BUT GREATER

By Project Manager [Signature] Date 6-25-83

5. DISPOSITION REVIEW

☒ Approved ☐ Denied

Accepted [Signature] QAM 6/25/83 Date
Reviewed [Signature] ANI 6-25-83 Date

☐ ORANGE Conditional Release Tag No N/A attached to item

☐ RED Rec't Tag No N/A attached to item

7. RECOMMENDED DISPOSITION COMPLETED

Closed for recommended disposition.

WOC [Signature] Date 6/25/83

DISTRIBUTION	ORIG QA	VP	PW	AN	PLCH	FIELD SUPT	SHOP SUPT	WOC PROJECT FOLDER
CAR RESP								
VON RESP								
WOC INFORMATION								
OTHER								

9. CORRECTIVE ACTION REQUEST CAR ISSUED

☐ YES ☒ NO CAR NO

QAM [Signature] Date 6/25/83

VENDOR DEFICIENCY NOTICE NON ISSUED

☐ YES ☒ NO VON NO

QAM [Signature] Date 6/25/83

10. REMARKS 2-6/24/83 THAN 3/16" AS-BUILT CONDITION IS ACCEPTABLE.
2-6/24/83.

MERCURY Q/A
RECORD COPY

FOIA-85-123 E/7

ATTACHMENT "B"

INSTRUCTIONS:

1. MQC to prepare this report for miscellaneous inspection, tests, and reports.
2. Record applicable references and requirements.
3. , _____
to prepare this report.

DISTRIBUTION:

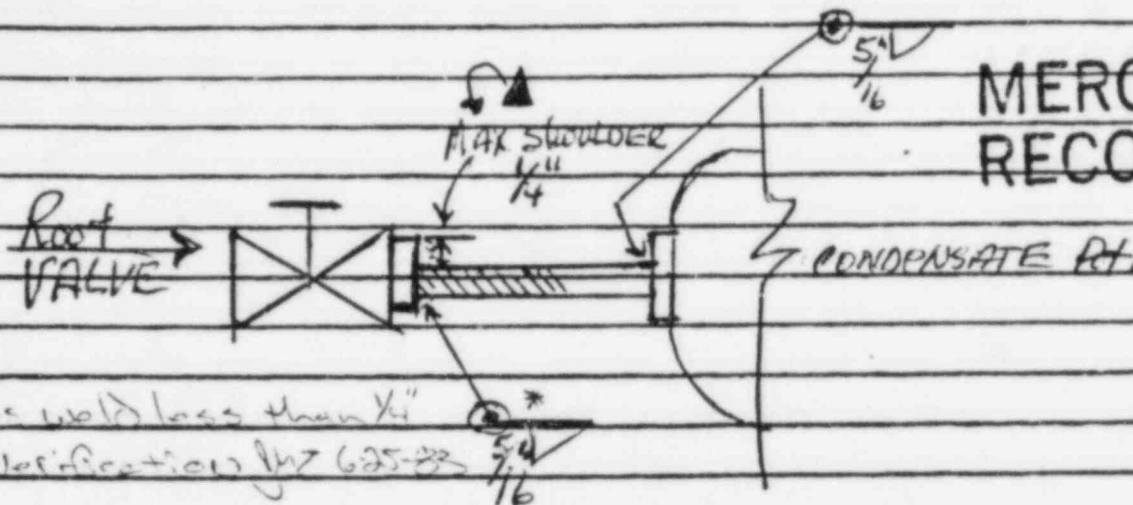
Original to: ☐ MQA
☒ MQC Proj. Folder

Copies to:

☒ MQC ☐ Customer ☐ _____
☐ Proj. Mgr. ☐ _____ ☐ _____

SUBJECT: INSTRUMENT NO. CONDENSATE POTS
OCR NO. - TV ROOT VALVES,
SUS - ALL SYSTEMS USING SAME
"EXCEPTIONS" NONE

REFERENCE: DRAWING NO. 000M004NR/2



**MERCURY Q/A
RECORD COPY**

THERE IS NO WAY THIS WELD CAN BE MADE
TO THE FIELD CONDITIONS AND BE PRACTICAL

NORMAL ENGINEERING PRACTICE IS TO WELD
1/16" LESS THAN THE SHOULDER. BUT EVEN
IF THE WELD IS MADE TO THE FULL 1/4"
AVAILABLE - IT STILL DOES NOT MEET
THE CODE.

This sketch per field conditions
except as noted above per 6-25-83

By

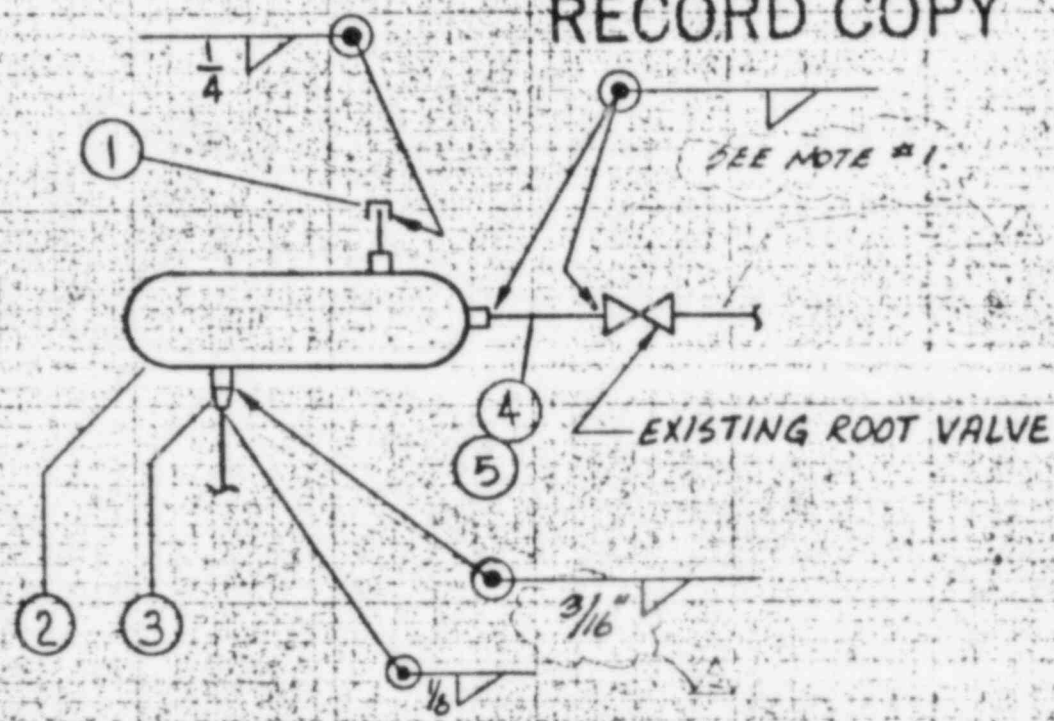
[Signature]

DATE 6-24-83

NCR 3508

FOR INFORMATION
ATTACHMENT "A"

MERCURY Q/A
RECORD COPY



TYP. WELD DET. TO
CONDENSATE POT

NOTES:
1. ITEM #4 WELD SIZE IS 5/16"
ITEM #5 WELD SIZE IS 1/4"

M.O.C. REVIEW *MS 1-21-81*

M.O.C. REVIEW *9/14/81*

REV.	DATE	DESCRIPTION	DRN	CHK	APP	ITEM	DESCRIPTION	MATL	GR.	HEAT NO.	QTY.
2	2-18-83	REVISED WELD SIZES						SS	-		1/2
1	1-28-82	ADDED P.E.B.						SS	-		1/2
0	9-14-81	ISSUED FOR CONSTRUCTION						SS	-		1/2
								SS	-		1/2
								SS	-		1/2
								SS	-		1/2
								SS	-		1/2

LOUISIANA POWER & LIGHT COMPANY
WATERFORD STEAM ELECTRIC STATION
1980-1165 MW INSTALLATION-UNIT-3
EBASCO SERVICES INC. REF. W3-NY-15

PIPE WELDING DET.
3/4" 1" SCH. 160 S.S.

THIS DRAWING IS THE
PROPERTY OF MERCURY CO.
OF NORWOOD, INC. AND IS
SUBJECT TO RETURN UPON
REQUEST. IT SHALL NOT BE
REPRODUCED OR COPIED IN
WHOLE OR IN PART WITH-
OUT AUTHORIZATION IN
WRITING.



**MERCURY
COMPANY**
OF NORWOOD, INC.
SUBSIDIARY OF FISHBACH AND MERTZ, INC.

MERC JOB NO. N49720	SHEET 1	REV 2
DWG. NO. 000-M-004-N		

Violation of Mercury Procedure SP-664 (Reference NCR-W3-7317)

The following Mercury NCR has been reviewed and accepted by Ebasco, in lieu of the specific requirements for upgrading as required by Mercury Procedure SP-664, Paragraph 5.3.1:

Mercury NCR Number 3508

Ebasco QA Engineering Hunter R. G. H. Hunter R. G. H. GAE 11-3-83
Name/Signature Title Date

Ebasco Construction Engineering G. TRUETT TITLE I.C. ENG 11/3/83
Name/Signature Title Date



Form 194



Mercury Co.
of Norwood, Inc.
A Fischback Company

THIS TAG IS TO BE REMOVED BY MQC ONLY

HOLD ②

Hold Tag No. H - 6291

LITZ

This item is placed on temporary HOLD and is not to be further processed until authorized by MQC.

- ☐ Mercury Purchased
☐ Customer Furnished

Job # _____ P. O. # _____

Item Ident. CCR 872 SUS/53A

INST# LT-CH-0226/0227 (LP)

Placed on HOLD by _____ Date 6-2-87

Reason for HOLD: Underwire weld FLT

46A & 47A

NONCONFORMANCE NO. 3508

DISPOSITION:

- ☐ OK - release hold, use as is
☐ REJECT Tag No. R- _____
☐ CONDITIONAL RELEASE No. C- _____
☒ Build up

DISPOSITION AUTHORIZED BY:

MLC MQC 62402 DATE _____

WHEN RELEASED FROM HOLD RETURN THIS TAG TO QUALITY ASSURANCE DEPARTMENT.

REMOVED BY MLC MQC 62402 DATE 6-2-87

(closed) PRD 179, LPL Maintenance
Welding Program Deficiencies. The
NRC inspector reviewed the
welding program deficiencies and
licensee evaluation for
reportability. The program
deficiencies are considered
to be minor and have been
corrected. The deficiencies
are considered to be
non-reportable per 10CFR50.55(c).
This item is considered to be closed.

Task: Issue No. 15

Characterization:

The staff reviewed the welding of "D" level material for containment attachments. The containment spray system structural component welds were chosen for specific detailed review. The welds on the containment spray piping supports were checked for weld rod traceability and welder identification and certification. The applicant was unable to produce the documentation sought for the staff review.

The applicant shall (1) locate the documentation and verify the adequacy of the information, or (2) perform a material analysis and NDE work, or (3) rework the welds. The staff shall be promptly informed of the applicant's approach and the documentation shall be made available for staff review.

Assessment of Issue:

The licensee determined that the specific containment spray system items reviewed by the NRC staff with exception of two cases consisted of temporary supports which have been abandoned. An analysis of the two cases was performed by the licensee which demonstrated that the containment spray piping is adequately supported without assuming any contribution by the two struts attached to "D" level material. The containment spray system structural component supports were welded by Tompkins-Beckwith and are fully documented.

Although unique weld material traceability cannot be obtained for welding "D" level material, the CBI QA program requires that all welding material used by CBI be certified material.

The welder identification for individual welds is not available for field welds since the CBI program did not require process control records for welding "D" level material. However, all welders used by CBI on this project were qualified in accordance with ASME Section IX.

The CBI QA Manual requires that the site welding/QA supervisor inspect the fit-up, welding in progress and finished welds on all classes of work.

A sample of welds was chosen for visual inspection based on review of all the welds to "D" level material. The Polar Crane Girder assembly and the Maintenance Hatch supports were identified as the significant structural applications and from these a sample of 405 welds was selected to be inspected and documented in NCR W3-7792. On the basis of the satisfactory results of the sample inspection, the licensee stated that all CBI "D" level material welds are considered satisfactory and may be used as is.

To assess this issue, the NRC staff reviewed the containment spray drawings for the scope of work performed by CBI and Tompkins-Beckwith. The drawings specify that Tompkins-Beckwith weld the containment spray piping component supports to "B" level material clips which were welded by CBI to the containment vessel. The welding performed by Tompkins-Beckwith is documented on weld records which include welder, filler material, and inspection results. This resolves the concern with welding containment spray system structural components.

F01A-85-123

E/9

In the areas where CBI welded "D" level material, the NRC staff reviewed the records to validate the licensee statement that all weld material used by CBI was certified material and all CBI welders on this project were qualified.

CBI instructions were reviewed to determine the applicable welding procedure specification (WPS) for welding the "D" level material. For the applications involved, WPS-E7018/71-2426, Revision 2, was specified for the welding. This procedure specifies that E7018 electrode shall be used for all welding. The procedure was qualified for the material types and thicknesses specified for the "D" level material.

The project files showed that 25 weld material heat control numbers for E7018 electrode were issued to the site and 13 weld material heat control numbers for E7018 electrode were issued to the shop for this project. All 38 weld material heat control numbers for E7018 electrode were reviewed and found to be certified.

All welders employed on site by CBI for this project were given a welder symbol and their qualification records placed in the project file for welders. The project file consisted of 101 welders and each welder was qualified for welding the specified welds for "D" level material.

This issue concerning the use of certified material and qualified welders by CBI for welding "D" level material is satisfactorily resolved.

The visual inspection of welds was reviewed under Issue No. 6 and satisfactorily resolves this concern.

Actions Required:

None

NO.	DATE	EBASCO FIELD REVISION
1	9-11-81	REV# PER DCN-HP-480 RY
2	11-12-82	INCORP DCN - SUBMITTER MAP JCAL, NCRB 884 REV TEA 243
3	9-28-83	INCORP FIELD # 3, R. 2 BUILT 20K HP 214K 2 DRL KS AND APPLIED R LINE KESTER

TI
APERTURE
CARD

HIGHLIGHTED
INSPECTORS
ARE NOT
ORIGINAL

UNCO
FOR QI

MATERIAL					
QUANTITY LBS.	ITEM	SIZE	DESCRIPTION	NO. OF LBS. USED	REMARKS
1	1	1"	PIPE (SCH. 100) SWS S/S	14.12	
1	2	1"	9000* RED INSERT S/W S/S	14.12	
1	3	1"	9000* HALF PLUG S/W S/S	14.12	
1	4	1"	9000* 90° ELL S/W S/S	14.12	
2	5	1"	TEE (6000*) S/W S/S	14.12	
1	6	1"	CAP (6000*) S/W S/S	14.12	
1	7	1"	1/2" (1/2" CUT) FLANGE FULL END 9000* S/W	14.12	
7	8	1"	PIPE (SCH. 100) SWS S/S	14.12	
2	9	1"	RED SWS (SCH. 100) S/S	14.12	
2	10	1"	RED INSERT (SCH. 100) S/W S/S	14.12	
2	11	1"	HALF PLUG (6000*) S/W S/S	14.12	
2	12	1"	90° ELL (6000*) S/W S/S	14.12	

NO COLD SPRING.

2518-122RLIB-.711 MIN WALL
1518-126RLIB-.650" " "

RADIOGRAPH	YES <input checked="" type="checkbox"/>	TEST PRESS <input checked="" type="checkbox"/>
------------	---	--

HEAT TREAT

NON-DEATH SEE NOTE #3 SP.7

PIPE SA-376 SMLS
SPEC TP.304

FLG
SPEC.

FGD. STL. SA-102
FTTG. SPEC. GRF-304

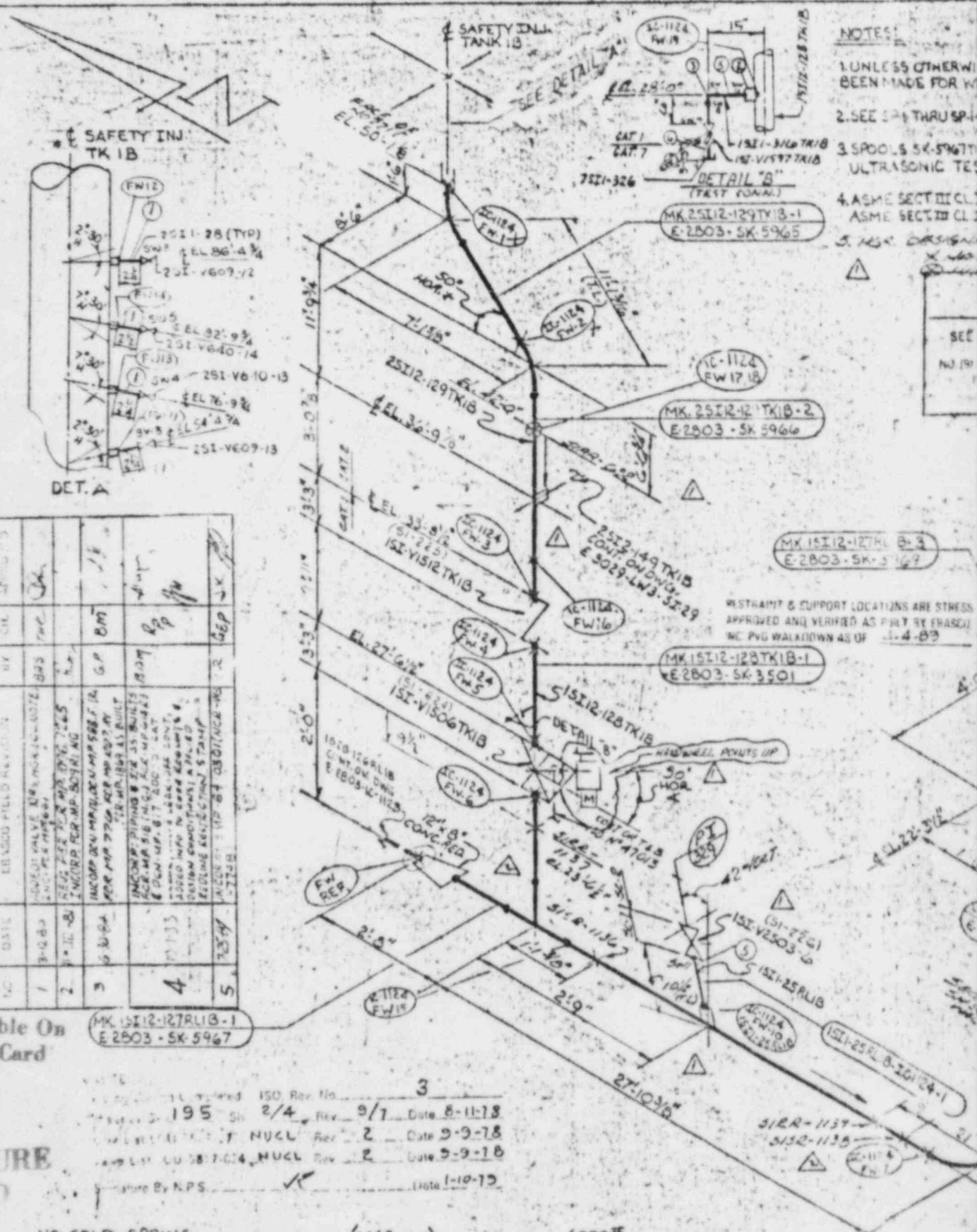
RUTT WELD SA-403
RTTG. SPEC. C.9 W.P. 304

WIT
SPRINGWT
TOTAL

CUSTOMER LOUISIANA

SYSTEM SAFETY T

DRAVO CORPORATION. PIPE FABRICATION



- NOTES:
1. UNLESS OTHERWISE SPECIFIED, ALL MATERIALS SHALL BE AS SPECIFIED IN THE DRAWING.
 2. SEE DET. A THRU SP.
 3. SPOOLS SK-59671 ULTRASONIC TESTED.
 4. ASME SECTION III, SUBSECTION 1, CASE 1993.
 5. 1/2\"/>

NO.	DATE	BY	CHK.	REVISION
1	8-12-83	WAS	WAS	1. INITIAL VALVE, 1/2\"/>
2	9-12-83	WAS	WAS	2. 1/2\"/>
3	10-30-84	WAS	WAS	3. 1/2\"/>
4	11-13-84	WAS	WAS	4. 1/2\"/>
5	12-14-84	WAS	WAS	5. 1/2\"/>

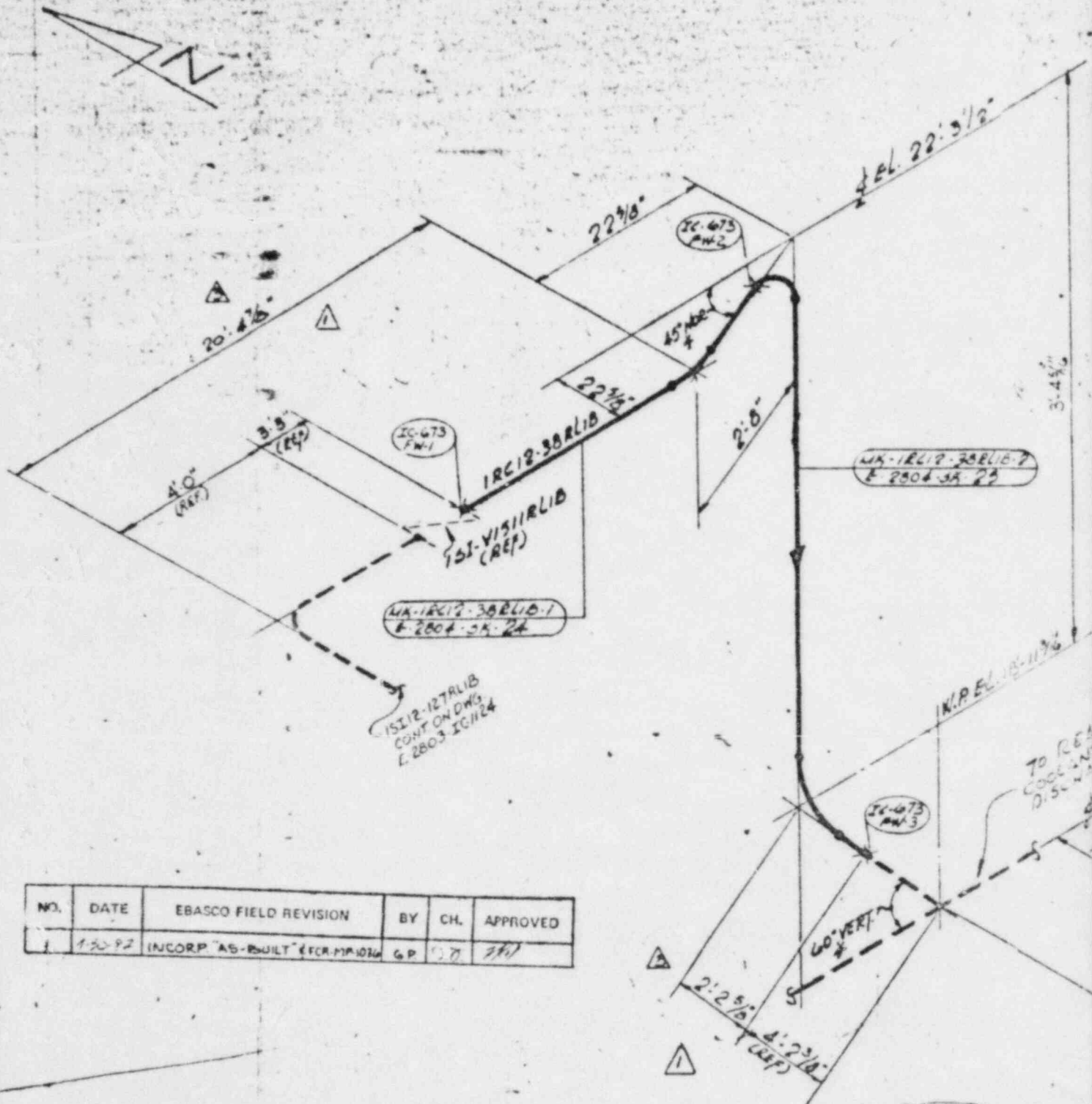
Also Available On Aperture Card

TI APERTURE CARD

MK 15112-127RL1B-1
E 2803-SK-5967

195 SH 2/4 Rev 9/1 Date 8-11-78
NUCL Rev 2 Date 9-9-78
NUCL Rev 2 Date 9-9-78
By NPS. 1-10-75

NO COLD SPRING		(1.148 MW)		6000 [±]	
RADIOGRAPH: RTIES 82	TEST PRESS: 102	PSI: 102	PIPE SPEC: SA-370 - SMLS TP-304	FGD STL FTTG SPEC: SA-182 GR-F-304 SA-403	WT PIPE: LBS
HEAT TREAT	SEE LATER 2 50.7		FLG SPEC: J	BUTT WELD FTTG SPEC: NR WP-304	WT TOTAL: LBS
			CUST OVER: LOUISIANA SAFETY		



NO.	DATE	EBASCO FIELD REVISION	BY	CH.	APPROVED
1	1-20-92	INCORP "AS-BUILT" E-2804 SA-24	GP	10	TH

NOTE:
 Piping Diagram Completed
 E-2804 G-155
 Line List E-2804 G-155
 Valve List E-2804 G-155
 Signature P. H. P. S.

No COLD SPRING (1.983 MIN. WALL)

NADIOGRAPH SA-7125-200	TEST PRESS 3730 PSI	PIPE SPEC. SA-376	FGD. STL. P.T.T.G. SPEC.	WT. PIPE	LBS.	CUSTOMER 40115
HEAT TREAT		FGD. SPEC. 68 TP 306	BUTT WELD SA-403	WT. TOTAL	LBS.	SYSTEM 2A
NON-DESTR. ULTRASONIC TESTING (47)			FGD. SPEC. 68 TP 306			

CODE REQUIREMENTS: ASME SEC III CLASS II	DESIGN COND. 2489 PSI @ 650 °F
N. E. S. INSP. REQUIRED YES	N. E. S. STAMP REQUIRED YES

EBASCO CATEGORY 1
 PIPE CODE 33.7
 SEISMIC CLASS I
 SERVICE SYSTEM TO REL 18(104)

NOTES:
 UNLESS OTHERWISE NOTED NO ALLOWANCE HAS
 BEEN MADE FOR WELDED JOINTS OR GASKETS
 2) SEE SP-1 THRU SP-14
 FOR FABRICATION REQUIREMENTS
 3) NO HANGERS REQUIRED

LOOSE MATERIAL

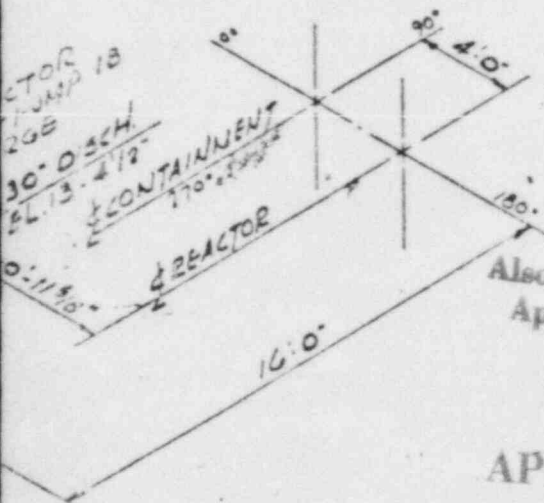
(3) 12" (985 M.W.) J TYPE E.B. INSERTS TYPE 30BL 732 d (C=10.740)

NOTICE

SEE FIELD CHANGE REQUEST

NO (S)
 FOR APPROVED CHANGES
 TO THIS DOCUMENT

UNCONTROLLED - NOT TO BE USED
 FOR QUALITY AFFECTING ACTIVITIES



Also Available On
 Aperture Card

TI APERTURE CARD

REV	DATE	BY	DESCRIPTION
4	1/3/78	✓	ADDED FINAL STAMP
3	5/13/78	BB JM	REVISED: DIM'S 2'-2 1/2" WAS 2'-2 5/16" PER EASCO I-90 10 QO. REVIEWED TO BE OPEN 150 ADDED NOTE: 3. REVIEWED TO NUCLEAR LINE LIST REV. 10
2	1/12/78	US	ADDED APPROVED FOR RELEASED FOR PER CUSTOMER COMMENTS
1	8/4/77	JDM	REVISED: DIM'S 15'-11 1/8" WAS 15'-11 1/4" 3'-4 1/4" WAS 3'-11 1/8" 2" DIM WAS 2'-8 1/4" REL 15-11 1/8" WAS 15'-11 1/4" ADDED LOOSE MATERIAL PER ARGT LRU-1566 SWT2 REV 7 NUCLEAR LINE LIST REV 10

1572 Rev 0
 2 Rev 9 Date 8-11-78
 NUC Rev 2 Date 7-31-78
 NUC Rev 1 Date 8-31-78
 Date 1-3-79

LOUISIANA POWER & LIGHT CO. DWS REF 8-21-78
 REACTOR COOLANT

DR 110	7/72	TOTAL MATL	
CKD 113	8/1/72	TOTAL LABOR	
APD 114	10/1/72	TOTAL COST	

8507270122-03

RECEIVED
 MAY 18 1979

ENGINEERING
 INCIDENT DEPT
 WATERFORD 3 FIELD

DESIGN	DISCIPLINE	ENGINEERING
FOR	FOR	FOR
INFO	INFO	INFO
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	MECHANICAL	
	COND-HYD	
	ARCH	
	STRUCT	
	INSTR	
	CONTROLS	
	PLUMBING	
	HVAC	
	ELECTRICAL	
	WTR TREAT	
	RADWASTE	
	STRESS	
	WELDING	
	MATERIALS	
	CONCT	
	LICENSING	
	QA	

8469-10 R2

LOUISIANA POWER & LIGHT COMPANY
 WATERFORD 3 UNIT NO. 3
 UNIT - 1145 MW INSTALLATION

NO	DR	ITEM	REV
1	125	REVIEWED WITHOUT COMMENTS	1
2		REVIEWED WITH COMMENTS AS NOTED	2
3		NOT APPLICABLE	3
4		NO COMMENTS, NO PRINT RETURNED	4
5		FOR INFORMATION ONLY	5
6		NO FURTHER REPRODUCIBLE REQUIRED	6
7		REQUIREMENT REVISED SEE NOTE 12	7
8		REQUIREMENT CLOTH OR W/LLOR REPRODUCIBLE AS SHIPPED	8
9		DO NOT PROCEED WITH FABRICATION REQUIREMENT REVISED REPRODUCIBLE	9

DATE 8-10-78

REVISIONS

FOIA-85-123
 E/2