



**QUALITY
TECHNOLOGY
COMPANY**

P.O. BOX 600

Sweetwater, TN 37874

(615)365-4414

ERT INVESTIGATION REPORT

PAGE 1 OF 2

CONCERN NO: IN-85-768-X06, IN-85-768-X07

CONCERN: See Details Below

INVESTIGATION

PERFORMED BY: W. M. Kemp, Jr.

DETAILS

IN-85-768-X06

Concern: Adherence to procedures regarding weld rod control was inadequate causing a potential adverse impact on hardware quality.

IN-85-768-X07

Concern: Weld rod control records have been falsified.

PERSONNEL CONTACTED: (CONFIDENTIAL)

DOCUMENTS & REQUIREMENTS REVIEWED:

NCR 4390, Revision 0 through 2

Weld Numbers 1-001A-D001-03A, 03B, 03C, 03D

Weld Numbers 1-001A-D003-03A, 03B, 03C, 03D

Weld Numbers 1-001A-D009-03A, 03B, 03C, 03D

Fab Sketch No. WBN-E-2878-1C-1-Rev.0

WBN-E-2878-1C-3-Rev.0

WBN-E-2878-1C-6-Rev.0

WBN-E-2878-1C-9-Rev.0

QCI-1.08, Rev.4 - Quality Assurance Records

QCI-4.01, Rev.2 - Storage, Issue and Control of Welding Material
(Issued 4/21/82)

SUMMARY OF INVESTIGATION

These concerns are substantiated. NCR 4390 was issued on 2/8/83 to identify and control the procedural violation.

Corrective action has been taken, via NCR 4390 R0, R1, R2, utilizing the applicable programmatic requirements to ensure the nonconforming condition was identified, controlled and corrected. The incident referenced in Concern IN-85-768-X06 was that filler metal had been issued using the "white" copy (ASME) of the Welding Material Requisition Form instead of the "green" copy, as required by Procedure QCI 4.01 and therefore, had no impact on hardware quality.

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CONCERN NO: IN-85-768-X06, IN-85-768-X07

DETAILS, continued

SUMMARY OF INVESTIGATION, continued

The corrected documentation was verified to be satisfactory and the NCR was closed 12/5/83. Measures taken against the individual directly involved include a reprimand and time off. The issue slips, at that time, were not retainable for Life of Construction per QCI 4.01. The falsification issue was addressed in the reprimand and was the reason for time off.

FINDINGS:

QCI-4.01, Revision 2(which was applicable at the time of these concerns) in Paragraph 7.0 "Documentation" stated that:

- 7.1.1 "Welding Material Requisition (Green color - Attachment A) for welding materials used in ASME III Systems are retained until processing and then may be destroyed."
- 7.1.2 "Welding Material Requisition (White color - Attachment B) other than those described in Para. 7.1.1 may be destroyed after 24 hour detention."

QCI 4.01 Rev. 3 dated 11/9/82, made no changes to these paragraphs. QCI 4.01 Rev. 4 dated 04/25/83 deleted the issue slip "color code" requirements for ASME and Non-ASME issuance.

The review of the NCR and associated documentation determined that satisfactory corrective action was taken per the disposition which stated: "In lieu of removing lugs, 'use-as-is'." Attached signed statements from individuals involved certify material, welders and weld procedures that were used in installation of the lugs were correct."

CONCLUSION:

Based on this investigation, the concerns are substantiated. However, programmatic controls to identify, control and to implement corrective action were taken to satisfy ASME Code requirements.

PREPARED BY Tom Kempf 2/13/86 DATE

REVIEWED BY D. J. Green 2/13/86 DATE

Report reviewed & accepted:
[Signature]
 2/17/86

REQUEST FOR REPORTABILITY EVALUATION

D. This deficiency represents a significant deficiency in construction of or significant damage to a structure, system or component which will require extensive evaluation, extensive redesign, or extensive repair to meet the criteria and bases stated in the safety analysis report or construction permit or to otherwise establish the adequacy of the structure, system, or component to perform its intended safety function.
No Yes _____ If Yes, Explain: _____

OR

E. This deficiency represents a significant deviation from the performance specifications which will require extensive evaluation, extensive redesign, or extensive repair to establish the adequacy of the structure, system, or component to perform its intended safety function.
No Yes _____ If Yes, Explain: _____

IF ITEM 4A, AND 4B OR 4C OR 4D OR 4E ARE MARKED "YES", IMMEDIATELY HAND-CARRY THIS REQUEST AND SUPPORTING DOCUMENTATION TO NSRS.

This Condition was Identified by:

Condemp
ERT Investigator

3200
Phone Ext.

Ort. Piers
ERT Project Manager

365-4464
Phone Ext.

Acknowledgment of receipt by NSRS

[Signature]
Signed

Date 7/27/86

Time 1:30