830423 071 WBN CIT SON OF CONSTRUCTION WBNP-QCP-1.2 NONCONFORMING CONDITION REPORT LOP ATTACHOENT AL NO Nuclear Project WATTS BAR NUCLEAR PLANT NCR: 2477 R Unit ASME Code Item GY . ONO 2. Ares Civil Electrical Mechanical Instrumentation O welding C Other N/A Contract No 3: Activity D Receiving D Storage D Fabricating D Installing O Testing Type Damage Failure Defect Documentation DOther Damage to pipe 5 Item Description Box anchor 47AU60-70-2 Field weld 1-070A-D147-2A SME Drave subassembly Mk# 70-CC-239 TVA Class C, ASME Class III Nuncanformance Description Subassembly received surface scratches and gouged while cutting (Include Apparent Cause) box anchor 47A060-70-2 from piping. Cutting operation sheet 1-70-F-29-41 was issued for this cut. Surface scratches and gouges occurred while an air hammer was being used to remove grout of 7-19-80. Recommended Disbourien: A Rework Report and Report Due As-is Offer (Check Dock & Detail Below) A base metal repair sheet to be issued per WENP-De-+00 subassembly to be repaired in accordance with necessary welding procedures. Action Required to Experient Recurrence 57900 Creif supervision to investigate the circumstances of this noncomparison 2.2 QA Date NCR -29-80 Lied Is Over Oreanization (DP Over Bho DPO Coordination Co A Reco DADONILIO EINO 0 nificant Condition Approved by Construction Engin Date 8-R. DPO Dispesition CAI Recommended Other (Describe) Approved by Design Project Organization Date 5. Disposition Impection and Release from Nonconforming Status: Gr. de 8-21-80 "Dele Inspected by 10 Action Required to Present Recurrence Complete Uve ONO Sellin Tokin Ver 1 en by Comtruction I ngin 0.10 11/10 Site 13A Records File Construction Freineer Piner UA Unit DOID MAINAGER OF DC ut 200 Muchear Insuestor Date Design Project Organization EN DES HEB NES (Si7-14 MEDS, WS863 C.K Girs risks (Significant " MLOS -----

CNIED STATES GOVERNMENT Memorandum

TENNESSEE VALLEY AUTHORITY

Robert W. Olson, Construction Engineer, Watts Bar Nuclear Plant CONST OP
 FROM : John E. Treadway, General Construction Superintendent, Watts Bar Nuclear Plant CONST
 Plant CONST
 DATE : September 3, 1980

SUBJECT: WATTS BAR NUCLEAR PLANT - NONCONFORMING CONDITION REPORT NO. 2477R

The following action was taken to prevent recurrence on the subject nonconforming condition report:

An investigation was made by craft superintendents concerning NCR No. 2477R. Our investigation revealed that the space available to do the chipping with a chipping harmer in a very small area had made it difficult to do the work without possibly scratching and/or gouging the pipe in question. We were unable to definitely say who specifically damaged the pipe; however, a meeting was hald with all the employees who were assigned to do the chipping operation at Watts Bar Muclear Plant. In this meeting, it was brought to all employees attention that if the pipe is scratched or gouges occur, it should be reported to their foreman so that they may report it to the appropriate engineering unit. No disciplinary action is required at this time.

LC:LKT cc: W. C. English, GTO-Matts Bar Muclear CONST J. E. Wilkins, PHD-Matts Bar Muclear CONST





Buy U.S. Savings Bonds Regularly on the Payroll Savings Plan

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REPAIR WELDING GUIDE LINES

Rejectable defects revealed by nondestructive examination shall be removed by arc gouging and/or by mechanical means. When gouging is used an additional 1/32-inch of material shall be removed mechanically. The area shall be dye penetrant (PT) or magnetic particle (MT) inspected. Every effort should be made to avoid the necessity for repair welding of minor defects that can be corrected by grinding. Care should also be exercised to remove only those defects that are required to bring the item within acceptable limits.

The repair area shall be contoured to produce an excavation that is fully visible to the welder and allows access of the filler metal to all groove surfaces. Sidewalls of the excavation shall be sloped so they have a minimum of 20° included angle with no sharp breaks in the contour.



The welding process, parameters, and cleaning requirements of the riginally specified welding procedure or acceptable liternate followed when filling the excavation. The repair shall bleic indjacent area and have no abrupt ridges or valleys and shall be finish requirements of the completed weld.

The repaired area shall be examined by the same method(s) that is (are) required for the completed weld.

1. TO 16 17.

111638 - Druh, S.F. PDA R. ODERTON Contract and part line THE REAL STRATE MUCH AP Control No. 10.00 and the most of the Control No. this date 1. 10 1 'et at int Control No. Condition States Set Type Yue E753 (Control No. N/ Return Due Welding Procedure 27 11 - C - 16 - 15 Control No. _____ Repair - NCR 2477 F Wolder A.C.A. Sienci Grin Foreman Candretto Control Conter Astendant ______ A. Date 8-5-80 TVA 10253 (CONST-10-77)

	TVA WBNP	Report Number	3842"
ND	E SURFACE EVALUATION DA	TA SHEET	
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LIQUID PENETRANT Process: <u>Solvent Romovan</u> Surface Temperature 60° Cther <u>NA</u> Penetration Time <u>ISM</u> Developing Dwell Time <u>RM</u> Materials Penetrant Lot No. <u>78BC3</u> Developer Lot No. <u>79E0</u> Cleaner Lot No. <u>79E0</u> Cleaner Lot No. <u>7960</u> Root Cap End Prep. (Results: <u>VT + P</u>	PLC - 125° F Equipment Equipment Current T Current T Type Magn Prod Spac Indicatin S Current T Equipment Current T Current T Current T Equipment Current T Current T Type Magn Prod Spac Indicatin Current T Current T Cure	MAGNETIC PART	ICLE Prod Coil Coil Coil Coil Coil Coil Coil
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Report Number _______

Page 1 of / NDE SURFACE EVALUATION DATA SHEET VISUAL/MAGNETIC PARTICLE/LIQUID PENETRANT TYPE NUE: Visual _____ Procedure WBNP OCP 4,13R4 Liquid Penetrant _____ Procedure WBNP OLP 4,13 RU Magnetic Particle Procedure NA LIQUID PENETRANT MAGNETIC PARTICLE Process: SOLVENT REMOVABLE Equipment: Yoke Prod Coil Surface Temperature 60° - 125° F Equipment Idenity No. Other NA Current Type AC AC DC DC Developing Dwell Time _ 8 Min. Type Magnetization Materials Prod Spacing 19B031 Penetrant Lot No. Indicating Particle Color Developer Lot. No. 19E03 196-03 Cleaner Lot No. Number NCR 2477R Cut Number NP Repair Number _____ Acceptable N Root Cap X End Prep. Excavation Other _____ Rejectable 5.61 ___VT+PT NAD Results: Weld Number Cut Number _____ Repair Number _____ Acceptable Root Cap Cap End Prep. Excavation Other _____ Rejectable 1000 Results: Weld Number Cut Number Repair Number ____ Acceptable Root Cap End Prep. Excavation Other Rejectable Results: Weld Number Cut Number ____ Repair Number Acceptable Root Cap End Prep. Excavation Other Rejecteble Hesults: NDE Level 8-6-80

DIVISION OF CONSTRUCTION WBNP-QCP-1.2 NONCONFORMING CONDITION REL SAT ATTACHMENT AI R9 _OP Nuclear Project: HATTS BAR NUCLEAR PLANT Unit NCR: 2477 R 1. ASME Yes ONO Code Item C Instrumentation [] Welding 2. Area: Civil DElectrical (3 Mechanical O Other N/A Contract No. C Fabricating Stristalling O Tosting 3. Activity OReceiving OStorage 4. Type: Damage DFailure DDafect Documentation DOther___ Damage to pine Box anchor 47A060-70-2 5. Item Description: Field weld 1-070A-D147-2A Dravo subassembly Mk# 70-CC-239 TVA Class C, ASME Class III 6. Nonconformance Description: Subassembly received surface scratches and gouged while curting (Include Apparent Cause) box anchor 47A060-70-2 from piping. Cutting operation sheet 1-70-F-29-41 was issued for this cut. Surface acratches and gouges occurred while an air hammer was being used to, remove grout of 7-19-80. Other Recommended Disposition: Rework DReject 11/10 Repair Use-As-Is (Check Block & Detail Below) A base meral repair sheet to be issued per WBNP-Qer 10 subassembly to be repaired in accordance with necessary welding procedures. Action Requires to Prevent Recurrence: 5 1/1/10 Craft supervision to investigate the circumstances of this nonconformance to and provide training/discipline as necessary. AUG041980-RTL James T. Dennis 7-24-80 NCR Initiator: Date 7. Referred to Design Project Organization (DPO): QYes SNo **DPO** Coordination Contact Significant Condition CY+s RNO Disposition: As Recommended Other (Describe) Date 8-1-8 Approved by Construction Engineer: X/Y 8. OPO D' position: Other (Describe) As Recommended opprayed by Design Project Organization: 9. Disposition Inspection and Release from Nonconforming Status: 1 Vel TNO Inspected by: _ Date 10. Action Required to Prevent Recurrence Complete: O Yes DNO Verified by Construction Engineer: Date Disposition Reviewed and Accepted By: Distribution: Site OA Records File. -4-80 Construction Engineer Project QA Unit Authorized Nuclear Inspector QA Manager, OEDC Design Project Organization (Items for his action only) Authining at Muclear Inspector (Code items only) EN DES NEBINLS (Significant NCR's only) OHS MSHS (Significant MCR', only) MEDS 146 38966 (20041 1979)

TVA 64 (05-9-85) UNITED STATES GOVERNMENT Memorandum

TENNESSEE VALLEY AUTHORITY

NRC

. S. Schum, QTC-ERT Program Manager, Watts Bar Nuclear Plant TO

FROM : K. W. Whitt, Director of Nuclear Safety Review Staff, E3A8 C-K

DATE : OCT 15 1985

SUBJECT: TRANSMITTAL OF INVESTIGATION REPORTS

The following investigation reports have been reviewed and accepted by NSRS and are transmitted to you for proparation of employee responses.

WI-85-055-001	ER-85-021-002
WI-85-056-001	IN-85-424-011
IN-85-503-001	<u>IN-85-540-001</u>
IN-85-778-001	IN-85-426-002
IN-65-493-004	IN-95-815-001
LN-85-770-003	IH-85-835-002
18-85-346-003	IN-85-352-001
IN-85-532-004	IN-85-612-006
IN-85-532-005	IN-05-091-X02
IN-85-543-002	

Original Signed By M. A. Harrison

K. H. Whitt

Please acknowledge receipt by signing below, copying and returning this form to J. T Huffstetler, \$3837 C-K.

Namo

Date

Attachments cc (Attachments): J. W. Coan, P-104 SB-K

H. W. Culver, WIZA19 C-K

G. Wadewitz, Watts Bar Nuclear Plant W. F. Willis, El2816 C-K (4)

E. R. Ennis, Watks Bar Nuclear Plant

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P.O. BOX 600 Sweetwater, TN 37874

ERT INVESTIGATION REPORT, REV. 1

PAGE 1 OF 5

CONCERN NO: WI-85-055-001 - MASTER TRACKING ITEM WI-85-056-001

CONCERN: See Details Below

· INVESTIGATION PERFORMED BY: William Kemp, Jr.

DETAILS

WI-85-055-001

The welder certification test presently being administered to welders at Watts Bar, in the recertification efforts following a recent stop work order (No. 25) is not in compliance with Code (ASME Section 9).

WI-85-056-001

CI was told, (by welders who are in the process of retesting), that they are being tested on flat plate, in the flat position, for welding pipe using the TIG & SMAW processes. This is not in accordance with ASME code requirements.

DOCUMENTATION/CODES/REQUIREMENTS REVIEWED

FSAR 3.1

ASME Code Section III & IX Stop Work Authority # 25 Rev. 1 issued 8/23/85 NCR 6277 issued 8/26/85 NRC Letter Docket 50-390/50-391 Watts Bar Nuclear Plant Informal Memo dated 8/28/85 Letter L44-85-0910-804 Response to confirmation of action letter dated September 11, 1985, to Dr. J. N. Grace, Region II NRC, from H. G. Parris C01-85-0903-004 Confirmation of Action Letter Welder Memorandum Certification Program, from G. Wadewitz to J. W. Coan ANI SIS Report, dated 9/18/85 Memo Watts Bar Code Welding (TOO 850823 916) dated August 23, 1985 stated: "Temporary suspend all code welding" IE: Critical Structure Systems Components welding

ERT INVESTIGATION REPORT, REV. 1

CONCERN NO: WI-85-055-001 WI-85-056-001

PERSONNEL CONTACTED

Confidential

SUMMARY OF INVESTIGATION

These concerns are substantiated.

On 9/13/85, Mr. M. Harrison of NSES contacted ERT and assigned WI-85-055-001 to ERT for investigation. While performing the investigation, a related concern, WI-85-056-001, was also authorized by NSRS for immediate investigation. Both concerns were investigated as one issue.

The purpose of the investigation was to determine if the actions taken by TVA in recertifying the welders in response to Stop Work Authority # 25, met FSAR requirements. In reviewing the program established by TVA and the associated documentation concerning the recertification of welders, it has been determined that the ARME and AWS codes were not met, and that the Status of welders recertified under this new program is indeterminate.

FINDINGS:

The following documents were reviewed to determine what corrective action measures TVA had committed to and taken in recertifying their welders; Stop Work Authority # 25, Nunconformance Report 6277 and TVA's commitment letter 644-85-0310-804 to USNRC, Region 11,

The following are excerpts taken from those documents listed above:

Non-conformance Report 6277, dated 0/26/85, references Stop Work Authority 2 25, and in the corrective method block it states that: "A review of the program will be conducted."

Stop Work Authority # 25, issued 8/23/85, (Rev. 11 states: "Adequacy of some aspects of the welder certification program is indeterminate. Welding will be curtailed until adequacy of the program can be re-evaluated,"

PAGE 3 OF 5

ERT INVESTIGATION REPORT, REV. 1

CONCERN: WI-85-055-001 WI-85-056-001

DETAILS, continued

TVA's commitment letter to NRC, L44-85-0910-804, dated September 11. 1985, states under the corrective action heading that: "A11 initial welder certifications older than 90 days have been "B" for details)". Attachment B rescinded...(reference Attachment states that: "Stop Work Authority # 25 was issued August 23, 1985, and all welder certifications were revoked effective August 26, 1985, with the exception of 30 welders". Attachment "B" goes on further to state that "a renewal qualification test program was initiated on August 28, 1985, for all welders whose certifications were revoked".

The information provided in TVA's letter to the NRC was a reiteration of the commitments made in TVA memorandum C01-85-0903-004 dated 9/3/85.

(G. Wadewitz to J. W. Coan). This memorandum C01-85-0903-004 states that the welders certifications had been "rescinded" and "revoked".

On 9/13/85, after reviewing TVA's commitment to "rescind/revoke welders certifications", Mr. W. Kemp and Mr. O. Thero met with G. Wadewitz, Project Manager of Watts Bar, to discuss the rescinding/revoking of welders' certifications. It was stated by ERT that revoking welders certification would require requalification of all welders, not renewal of certifications. Mr. G. Wadewitz contacted Mr. S. Stagnolia of ENDES who stated that ERT was talking semantics. By the conclusion of the meeting, the subject of rescinding/revoking of welders' certification had not been resolved.

On 9/13/85, a discussion was held with the site ANI to establish code compliance. It was stated by the ANI that there was a problem with those recertifying under the recertification program, who failed the test and were retested with only one test conducted not two as required by ASME IX QW 321. However, the ANI was not aware that TVA had stated that the welder certifications were rescinded/revoked.

On 9/13/85, Mr. M. Harrison of NSRS was contacted by Mr. O. Thero and it was stated that these concerns were substantiated.

From 9/14/85 to 9/16/85 a further review of related recertification documentation identified the following:

1) There was a 15% failure rate for the welders on the first retest and a 4% failure rate for the second retest.

2) Welders' cards stated that their certifications were rescinded on 8/26/85.

3) There were "special" procedures issued for these tests. These tests were not intended for initial certification, but for recertification only.

PAGE 4 OF 5

ERT INVESTIGATION REPORT, REV. 1

CONCERN NO: WI-85-055-001 WI-85-056-001

DETAILS, continued

4) The initial issuance of NCR 6277, block lA stated: "The welder recertification program...". A corrected copy of NCR 6277 (8/26/85) stated: "The welder certification program...". The copy of NCR 6277 received on 9/20/85 which is attached to Stop Work Authority # 25 again states: "The welder recertification program..."

5) TVA commitments to NRC as documented in L44-85-0910-804 states that the welders certifications were "rescinded/revoked". In reviewing the ASME and AWS code requirements, welders certifications are no longer valid based upon the revoking of their certifications. This according to ASME/AWS would require initial qualification of all welders. Reference ASME Section IX, QW 461.9.

On 9/17/85 Mr. G. Wadewitz stated that the NRC had given verbal approval for the welders to return to work, however, although the craft were being called back, no work would commence until the release was received in writing. It was inquired if TVA's position on rescind/revoke remained the same. It was stated that the verbage would stand as is.

On 9/18/85, Stop Work Authority # 25 was lifted.

On 9/18/85, the authorized inspection agency issued a SIS report raising the same code compliance questions as noted in this investigation.

On 9/19/85, Mr. G. Wadewitz and Mr. S. Stagnolia stated to ERT that the wording of rescinding/revoking would be changed to administrative withdrawal or some wordage as to that effect. At the time of this report the wording has not been changed.

9/20/85 - The offices of AWS, ASME and the National Board were contacted to request their opinions on the rescinding/revoking of welders certifications. It was the combined opinions that if qualifications (certifications) were revoked/rescinded, then the welder(s) must be initially qualified to position(s), material and process, just as if it was an initial qualification.

AWS	-	Mr. D. Seal	Florida
NB	-	Mr. M. Hoyle	Columbus, Ohio
ASME	-	Welding Dept.	NY, NY

PAGE 5 OF 5

recommendations

Made.

ERT INVESTIGATION REPORT, REV. 1

WI-85-055-002 COI 7000 CONCERN NO: WI-85-056-001

DETAILS, continued

9/23/85 - A meeting was held with Mr. G. Wadewitz and Mr. S. Stagnolia to review this report. The statement was made by Mr. Stagnolia that for those welders who failed their initial test a single pass on a test Rev 1 coupon is acceptable, if training is performed. ASME Section IX, QW 321.3, "Further Testing" states: "When the welder or the welding operator has had further training or practice, a complete retest shall be made for each position on which he failed to meet the requirements.

CONCLUSION

PREPARED BY

Based on the investigation of the These concerns are substantiated. concerns it is concluded that the recertification program does not satisfy ASME/AWS code requirements.

This conclusion is based on the following:

- The revoking/rescinding of certifications (i.e. initial qualification versus requalification)
- of failures is not in compliance with Retesting code/standards.

Revised Report Reviewed + ACCEPTED Mote: See Driguol Report for: Nices

Date

24/85 REVIEWED BY

Page 1 of 6

CONCERN NO: IN-85-503-001, IN-85-778-001, IN-85-612-006, IN-85-493-004, IN-85-770-003, IN-85-346-003, IN-85-532-004, IN-85-532-005, IN-85-543-002, EX-85-021-002, IN-85-424-011, IN-85-540-001, IN-85-426-002, IN-85-815-001, IN-85-835-002, IN-85-352-001 - MASTER TRACKING ITEM

CONCERN: See "DETAILS" Below

INVESTIGATION * PERFORMED BY: William Kemp Rana Ahmed

DETAILS:

.: ..

This report contains the findings derived from a generic investigation of the concerns listed below:

IN-85-503-001

CONCERN: Individual (name known) in concerned individual's (hereafter CI) crew was given 2 weeks off for failing to have welding card updated by weld engineering. Individual had performed required welds but was out sick on the day update was required. Other individuals in CI's crew who had failed to get their cards updated received no disciplinary action or had received only an oral warning.

IN-85-778-001

CONCERN: Welder certifications have been improperly updated. No further details available.

IN-85-612-006

CONCERN: Welder certification update is inadequate and not enforced per an established set of criteria. Welders given time off without pay for failure to update certifications.

IN-85-493-004

CONCERN: Welder certification update is inadequate to verify that the welder can continue to weld a particular process.

IN-85-346-003

CONCERN: Welder certifications are updated on evidence of rod withdrawal alips. The process may not have been used in the applicable time period, 90 day or/80 day, depending on ASME or AWS.

Page 2 of 6

CONCERN: See "DETAILS" below

DETAILS: (cont)

IN-85-532-004

. 1.

CONCERN: Memo issued by management that provides direction that is contrary to the established procedure for welder re-certification. (Author of memo known to QTC)

#IN-85-532-005

CONCERN: Welders are recertified without verification that welders have performed specific weld technique.

IN-85-543-002

CONCERN: Welder certification update procedure is inadequate. Welders can be off work over 90 days and not be required to re-test upon returning to work.

EX-85-021-002

CONCERN: There is no method/objective evidence to verify that a welder has used a specific process when their weld cards are stamped/updated by QC.

IN-85-540-001

CONCERN: Inadequate welder certification update. Welder is "punished" if he/she forgets to update on time yet the update is a formality. There is no verification the process was used during the 90 day period. Employees are kept updated even though they do not weld for years at a time.

IN-85-426-002

CONCERN: Updating of welder certifications is inadequate in that a welder is only required to present their card for updating and sometimes is asked to run a bead - never a complete.

IN-85-815-001

CONCERN: Re-certification of some welders consists only of completing paperwork. These employees do not have to prove welding ability. This is done for some employees who have not welded for years.

Page 3 of 6

CONCERN: See "DETAILS" page 1 & 2

DETAILS: (cont)

IN-85-835-002

CONCERN: Welders recertification can be accomplished by simply having ones card stamped. No performance test is required or conducted in the process.

IN-85-352-001

CONCERN: Welder updates certification by going to QC Welding and burning a rod or just striking an arc. No weld using the process is done or verification that the process had been used once during the 90/180 day period is required.

IN-85-424-011

CONCERN: Welder certification updating process is inadequate, and basing disciplinary actions on failing to comply with the process is unfair (e.g. welders who fail to renew certificates are given two weeks off, but recertification consists only of getting card stamped - no welding is involved).

IN-85-770-003

CONCERN: Individuals possessing invalid welder certifications.

Personnel Contacted: Confidential

Reference Documents:

Quality Assurance Manual 5.1 (ASME) Welding Control Quality Control Instructions 4.02 Welder/Welding Operator Performance Qualification G29 Project Specification Manual 1.M.2.2 Welder/Welding Operator Performance Qualification IN-85-113-003 WBN-85 0108 200 Jan. 8, 1985 Letter May 24, 1984 Welder Certification/Update WBN-84 0123 201 Jan. 23, 1984 ERT Investigation Reports WI-85-055-001 AND WI-85-056-001 Stop Work Authority #25

This investigation was conducted to determine the availability of documented evidence to support the welders qualification renewal of program a welders qualification.

Page 4 of 6

CONCERN: See "DETAILS" page 1 & 2

DETAILS: (cont)

The following deficiencies were noted:

- 1) QAM 5.1 (ASME), G29 PSM 1.M.2.2 and QCI 4.02 are discrepant in identifying the responsibilities for the test shop and qualification tests. For example, QAM 5.1 states that the construction engineer designates the engineer who is to supervise the test shop and perform qualification testing. QCI 4.02 states the Weiding Engineering Unit will be responsible for the test shop and qualification testing while G29 PSM 1.M.2.2 states that the test supervisor shall be responsible for the test shop and qualification testing.
- 2) During the investigation it was stated by a welding engineer "we do not qualify welders to Section IX only to G29." However, QAM 5.1 (ASME) refers to the "code", QCI 4.02 references the G29 specification and G29 PSM 1.M.2.2 states that welder qualification is in accordance with ASME Section IX.
- 3) A random selection of related NCRs (#4868, 5194, 4508R, 5304, 5303, 5065, 5034, 4577R) from 1981 to 1984 concerning expired welder qualification determined that the root cause was never evaluated or determined.
- 4) There is no documented evidence per GCI 4.02, paragraph 6.4.1.2 and QAM 5.1-(2.4) as to the verifiction of welders welding to a specific process to support their renewal of certification. The only evidence is if someone in QC saw or knows that the welder has performed an in process weld thus, justifying his renewal. However, no documentation is available to support QC's claim that this took place.
- During the investigation the following incident was observed: 5) A welder case to the test shop to update his welding certification. The welder was edvised by a welding engineer to go to the test booth. After 2 or 3 minutes the welder came back to the office and gave his card to the weld engineer in the test shop office who stamped and initialed his card. It may be noted that both of the welding engineers were busy at that time with the ERT investigator. The welding engineer did not observe or verify the welders process per GCI 4.02, paragraph 6.1.5.1, 6.1.5.2, 6.1.3.1, 6.1.3.2. There was no observation of the welder taking any weld filler metal to the test booth (OCI 4.02. paragraph 6.1.1.3) or the welder bringing any hot metal to prove the process in the test booth (GCI 4.02 paragraph 6.1.5.3.1). It was also stated by the welding engineer that they do not observe all the welders all of the time (only 70%).

Page 5 of 6

CONCERN: See "DETAILS" page 1 & 2

DETAILS: (cont)

6) If no one in QC has seen or has knowledge of the welder using a process in a 3 month period, the welder goes to the weld test shop to "burn a rod" on a plata to the process he is qualifying for with or without verification of position, current and material. The welder has now welded to a process within a 3 month period and his certification is renewed with no more documentation than a signature on a certification card.

Stop Work Authority #25 was issued to stop all weld activities on August 23, 1985. The following corrective action by management has been initiated and is in process. Reference ERT Investigation Reports WI-85-055-001/ WI-85-056-001 - on Stop Work Authority #25.

- Re-certifing approximately 536 welders except for 30 welders which had been certified within 90 days previous to the stop work order being issued.
- 2) QCI 4.02 Welder and Welding Operator Performance Instruction, has been revised to include controls and specific objective evidence for welders preformance, verification and revewal of certification.
- 3) TVA Form 10204A (OC-8-85), Welding Material Requisition, will be revised to include the statement: "I certify that on this date this welder use the above welding process on (feature)."

The material requisition shall be kept for the life of construction and will be inputted into the computerized welder-welding operator listing on a daily basis.

4) Quality Training Program Manual 3-3 and QAM 5.1 will be revised to reflect the program for the control of welder's certification.

With the initiation of these controls by management, this should eliminate future problems however past problems on welders qualification must still be evaluated.

Memorandums WBN-84-0123-201, WBN-85-0108-200 and a memorandum which was dated May 24, 1984, all state:

 "If the welders certification expire because of failure to have them updated the following actions will be taken" "First Offence - Two week auspension" "Second Offence - Termination"

Page 6 of 6

CONCERN: See "DETAILS" page 1 & 2

DETAILS: (cont)

"The welder would be held responsible" 2)

3) "Each welder is responsible"

"Alteration of penalty for welders" 4) who fail to update the certification

However, the requirements per GAN 5.1 Rev. 20 states that for welder & welding operator qualification maintenance, the responsibility for this control is with the "Welding Engineering Unit/Welding Quality Control."

QCI 4.02 Rev. 3 states that the Welding Engineering Unit is responsible to control verification and renewal of qualifications.

QW 300.2 states that the manufacturer (TVA) ASME IX. 18 responsibility for welder qualification.

ASME Section III, Subsections NB, NC, and ND states that the manufactuer or installer shall maintain records of qualification of welders.

AWS D1.1 states that welder qualification requirements shall be controlled by the manufacturer & installer.

From these requirements and the performance of this investigation the following items are noted.

- Responsibility for control of welder qualification (renewal) 1) was not retained by management (per applicable requirements) but was directed to craft (welders).
- There was no system or control to identify welders whose 2) qualifications were up for renewal.
- Memos surconvented procedure requirements and commitments for 3) control of welders qualifications.

Based on the findings in the investigation, this concern is substantiated. It is noted that TVA has initiated corrective action to resolve this concern, however the impact of past welder qualification problems must be evaluated.

Prepared by Dm gemp 9/26/25 and accepted the Reviewed by Oh their 9/26/85 NO New recommendations offered. Refer to 10/2/25 IN 85 113 003 For corrective action and costs

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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.

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THIS REQUEST AND SUPPORTING DOCUMENTATION TO NSRS.

ERT Project Manager

Acknowledgment of receipt by NSRS

Date 10/3/05 _ Time 1207

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D. This deficiency represents a <u>significant</u> deficiency in construction of or <u>significant</u> damage to a structure, system or component which will require <u>extensive</u> evaluation, <u>extensive</u> redesign, or <u>extensive</u> 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.

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REQUEST FOR REPORTABILITY EVALUATION

D. This deficiency represents a <u>significant</u> deficiency in construction of or <u>significant</u> damage to a structure, system or component which will require <u>extensive</u> evaluation, <u>extensive</u> redesign, or <u>extensive</u> 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 X Yes ____ If Yes, Explain: _____ OR E. This deficiency represents a significant deviation from 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 X 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. ERT Group Manager 365-4464 Phone Ext. This Condition was Identified by: Their Mer - 365 - 441.1 Phone Ext. ERT Project Manager Acknowledgment of receipt by NSRS Date 10/3/45 Time 1251

	REQUEST FOR REPORTABILITY EVALUATION
	IN-85-543-002
quest	(ID No., if reported) (ID No., if reported)
	Welding Welding
lentif	ication of item into (Nomenclature, system, manuf., SN, Model, etc.)
escrip	sticn of Problem (Attach related documents, photos, saturday,
Updat	ing of welder's certification was conducted without objective
docum	entation evidence
	for Reportability: (Use supplemental sheets if necessary)
eason	for reported and the deficiency, were it to have remained
A. Th	is design or construction deficiency, which the safety of operations
un	the nuclear power plant at any time throughout the expected
11	ifetime of the plant.
	The way Fragin: Without objective documented evidence
M	$\int \underline{1} = \frac{1}{1} 1$
t	o support renewal of certification, welding certification is indecer
-	And a second
A	<u>ND</u>
B. T	his deficiency represents a <u>significant</u> breakdown in any portion of the quality assurance program conducted in accordance with the requirem of Appendix B.
N	No Yes X If Yes, Explain: 10CFR50 Appendix 50 Criteria IX
	ANSI N45.2
die.	and the second sec
	OR
0.	a significant deficiency in final design as
C. 1	This deficiency represents a <u>significant</u> such that the design does not approved and released for construction such that the design does not conform to the criteria bases stated in the safety analysis report or construction permit.
	No. Y Yes If Yes, Explain:

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Page 2 of 2

REQUEST FOR REPORTABILITY EVALUATION

This deficiency represents a significant deficiency in construction of or D. 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 X Yes ____ If Yes, Explain: _____ OR This deficiency represents a significant deviation from performance E. 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 X 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 MSRS. RT Group Manager Bhone Ext. This Condition was Identified by: 24. -36)-4414 Phone Ext.

ERT Project Manager

Acknowledgment of receipt by NSRS

____ Date 10/3/55 Time 1251

	REQUEST FOR REPORTABILITY EVALUATION
Reques	t No. EX-85-021-002 (ERT Concern No.) (ID No., if reported)
Ident	fication of Item Involved: Welding (Nomenclature, system, manuf., SN, Model, etc.)
Descr Upda	ting of welder's certification was conducted without objective
docu	mentation evidence
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Reas	on for Reportability: (Use supplemental sheets if necessary)
A	This design or construction deficiency, were it to have remained incorrected, could have affected adversely the safety of operations of the nuclear power plant at any time throughout the expected lifetime of the plant.
	to support renewal of certification.welding certification is indetermin
в.	AND
	This deficiency represents a <u>significant</u> breakdown in any portion of the quality assurance program conducted in accordance with the requirement
	This deficiency represents a <u>significant</u> breakdown in any portion of the quality assurance program conducted in accordance with the requirement of Appendix B. No <u>Yes X</u> If Yes, Explain: <u>10CFR50 Appendix 50 Criteria IX</u> ANSI N45.2
c.	This deficiency represents a significant breakdown in any portion of the quality assurance program conducted in accordance with the requirement of Appendix B. NoYes XIf Yes, Explain:10CFR50 Appendix 50 Criteria IXANSI N45.2 OR This deficiency represents a significant deficiency if final design as approved and released for construction such that the design does not conform to the criteria bases stated in the safety analysis report or construction permit.

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Page 2 of 2

D. This deficiency represents a <u>significant</u> deficiency in construction of or <u>significant</u> damage to a structure, system or component which will require <u>extensive</u> evaluation, <u>extensive</u> redesign, or <u>extensive</u> 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.

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No X Yes ____ If Yes, Explain: _____ OR E. This deficiency represents a significant deviation from 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 X 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. Group Manager <u>365-4464</u> Phone Ext. This Condition was Identified by: William Stelen ERT Project Manager Acknowledgment of receipt by NSRS Date 10/3/35 Time 1251

eques	(ID No., If reported)
dent	fication of Item Involved: Welding (Nomenclature, system, manuf., SN, Model, e
escr	iption of Problem (Attach related documents, photos, sketches, etc.)
Upda	ting of welder's certification was conducted without objective
docu	mentation evidence
	· · · · · · · · · · · · · · · · · · ·
Reaso	on for Reportability: (Use supplemental sheets if necessary)
A.	This design or construction deficiency, were it to have remained uncorrected, could have affected adversely the safety of operations of the nuclear power plant at any time throughout the expected
	lifetime of the plant. Without objective documented evide
	NO YES X If Yes, Explain: Without designed to the to the
	to support renewal of certification, welding certification is indete
	to support renewal of certification.welding certification is indete
в.	AND This deficiency represents a <u>significant</u> breakdown in any portion of the quality assurance program conducted in accordance with the requir of Appendix B.
в.	AND This deficiency represents a <u>significant</u> breakdown in any portion of the quality assurance program conducted in accordance with the requir of Appendix B. No Yes X If Yes, Explain: <u>10CFR50 Appendix 50 Criteria IX</u>
в.	AND This deficiency represents a <u>significant</u> breakdown in any portion of the quality assurance program conducted in accordance with the requir of Appendix B. No Yes X If Yes, Explain: <u>10CFR50 Appendix 50 Criteria IX</u> ANSI N45.2
в.	AND This deficiency represents a <u>significant</u> breakdown in any portion of the quality assurance program conducted in accordance with the requir of Appendix B. No Yes X If Yes, Explain: <u>10CFR50 Appendix 50 Criteria IX</u> ANSI N45.2
в.	AND This deficiency represents a <u>significant</u> breakdown in any portion of the quality assurance program conducted in accordance with the requir of Appendix B. No <u>Yes X</u> If Yes, Explain: <u>10CFR50 Appendix 50 Criteria IX</u> ANSI N45.2 <u>OR</u>
B. C.	AND This deficiency represents a <u>significant</u> breakdown in any portion of the quality assurance program conducted in accordance with the requir of Appendix B. No <u>Yes X</u> If Yes, Explain: <u>10CFR50 Appendix 50 Criteria IX</u> ANSI N45.2 OR This deficiency represents a <u>significant</u> deficiency in final design a approved and released for construction such that the design does not conform to the criteria bases stated in the safety analysis report of construction permit.
B. C.	to support renewal of certification, welding certification is indeter AND This deficiency represents a significant breakdown in any portion of the quality assurance program conducted in accordance with the requir of Appendix B. NoYes XIf Yes, Explain:IOCFR50 Appendix 50 Criteria IX ANSI N45.2 OR This deficiency represents a significant deficiency in final design approved and released for construction such that the design does not conform to the criteria bases stated in the safety analysis report or construction permit. NoYesIf Yes, Explain:

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D. This deficiency represents a <u>significant</u> deficiency in construction of or <u>significant</u> damage to a structure, system or component which will require <u>extensive</u> evaluation, <u>extensive</u> redesign, or <u>extensive</u> 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 X Yes ____ If Yes, Explain: _____ 0.7 OR E. This deficiency represents a significant deviation from 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 X 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. ERT Group Manager <u>365-4464</u> Phone Ext. This Condition was Identified by: Their Ster 365.44414. ERT Project Manager Acknowledgment of receipt by NSRS Date 20 3/85 Time 12 71

1.	Request No. IN-85-540-001 (ID No., if reported)
2.	Identification of Item Involved: Welding (Nomenclature, system, manuf., SN, Model, etc.)
3.	Description of Problem (Attach related documents, photos, sketches, etc.) Updating of welder's certification was conducted without objective
	documentation evidence
	• 1
۵.	Reason for Reportability: (Use supplemental sheets if necessary)
	A. This design or construction deficiency, were it to have remained uncorrected, could have affected adversely the safety of operations of the nuclear power plant at any time throughout the expected lifetime of the plant.
	NO YES X If Yes, Explain: Without objective documented evidence
	AND
	B. This deficiency represents a <u>significant</u> predators in with the requirements the quality assurance program conducted in accordance with the requirements of Appendix B.
	No Yes X If Yes, Explain: 10CFR50 Appendix 50 Criteria IX
	ANSI N45.2
	and the second s
	OR
	C. This deficiency represents a <u>significant</u> deficiency in final design as approved and released for construction such that the design does not conform to the criteria bases stated in the safety analysis report or construction permit.
	No X Yes If Yes, Explain:

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D. This deficiency represents a <u>significant</u> deficiency in construction of or <u>significant</u> damage to a structure, system or component which will require <u>extensive</u> evaluation, <u>extensive</u> redesign, or <u>extensive</u> 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 X Yes If Yes	, Explain:	
OR		and a second
This deficiency represe specifications which we or <u>extensive</u> repair to or component to perform	nts a <u>significant</u> deviation 11 require <u>extensive</u> evalue establish the adequacy of a its intended safety funct	n from performance ation, <u>extensive</u> redesign, the structure, system, tion.
No X Yes If Yes	, Explain:	
F ITEM 4A, <u>AND</u> 4B <u>OR</u> 4C <u>O</u> HIS REQUEST AND SUPPORTING his Condition was Identif	A 4D OR 4E ARE MARKED "YES" DOCUMENTATION TO NSRS. Led by: <u><u>JAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA</u></u>	<u>IMMEDIATELY HAND-CARRY</u> <u>365-4464</u> Phone Ext.
1	ERT Project Mana	ger Phone Ext.
cknowledgment of receipt	by NSRS Date 10/	/85 Time 1257
igned	71	/

Reque	st No. IN-85-426-002 (ID No., 1f reported)
	(ERT Concern NO.)
Tdan	ification of Item Involved: Welding manuf. SN. Model, etc.)
Iden	(Nomenclature, system, mindre, but, incomp
	Attach relat documents, photos, sketches, etc.)
Desc	ription of Floorer (motification we conducted without objective
Upd	ating of welder's certification w_ conducted without objective
doc	umentation evidence
	•
Rea	on for Reportability: (Use supplemental sheets if necessary)
	This design or construction deficiency, were it to have remained
· A.	uncorrected, could have affected adversely the safety of operations
	of the nuclear power plant at any time throughout the experience
	lifetime of the plant.
	NO YES X If Yes, Explain: Without collective documented evidence
	to support renewal of certification welding certification is indeterminate
	to support renewar or certification
	a state of states of state
	AND
в.	This deficiency represents a <u>significant</u> breakdown in any portion of the quality assurance program conducted in accordance with the requirement of Appendix B.
	10CERSO Appendix 50 Criteria IX
	No Yes X If Yes, Explain:
	ANSI N45.2
	A.B.
	OR total design as
•	. This deficiency represents a significant deficiency in final does not approved and released for construction such that the design does not conform to the criteria bases stated in the safety analysis report or
	construction permit.
	No Y Yes If Yes, Explain:
	No X Yes If Yes, Explain:

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D. This deficiency represents a <u>significant</u> deficiency in construction of or <u>significant</u> damage to a structure, system or component which will require <u>extensive</u> evaluation, <u>extensive</u> redesign, or <u>extensive</u> 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 X Yes ____ If Yes, Explain: _____ OR E. This deficiency represents a significant deviation from performa a 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 X 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. 365-4464 Phone Ext. This Condition was Identified by: -365-11114 ERT Project Manager Acknowledgment of receipt by NSPS Date 20/5/51 Time 1251

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Requ	est No. IN-85-815-00 (ID No., if reported)
	(ERI Concern Not)
Iden	tification of Item Involved: (Nomenclature, system, manuf., SN, Model, etc.)
Desc	cription of Problem (Attach related documents, photos, sketches, etc.)
Up	dating of welder's certification was conducted without objective
do	cumentation evidence
	•
Rea	son for Reportability: (Use supplemental sheets if necessary)
۸.	This design or construction deficiency, were it to have remained uncorrected, could have affected adversely the safety of operations of the nuclear power plant at any time throughout the "xpected lifetime of the plant.
	NO YES X If Yes, Explain: Without objective documented evidence
	a a af contification welding certification is indeterminat
B.	AND This deficiency represents a <u>significant</u> breakdown in any portion of the quality assurance program conducted in accordance with the requirements of Appendix B.
	No Yes X If Yes, Explain: 10CFR50 Appendix 50 Criteria IX
	ANSI N45.2
	OR
	C. This deficiency represents a <u>significant</u> dericiency in final design design approved and released for construction such that the design does not conform to the criteria bases stated in the safety analysis report or construction permit.
	No X Yes If Yes, Explain:

OR

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Page 2 of 2

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 X Yes If Yes, Explain:

OR

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E. This deficiency represents a significant deviation from performance specifications which will require extensive evaluation, extensive redesign, or extensive repair to establish the idequacy of the structure, system, or component to perform its intended safety function.

No X 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:

ERT Group Manager Bhone Ext.

ERT Project Manager Phone Ext.

ERT Project Manager

Acknowled ment of receipt by NSRS

Signed

Date 20/3/85 Time 1257

Reques	t No. IN-85-835-002 (ID No., if reported)
	Welding
Identi	fication of Item Involved:
Descri	ption of Problem (Attach related documents, photos, sketches, etc.)
Upda	ting of welder's certification was conducted without objective
docu	mentation evidence
Reaso	n for Reportability: (Use supplemental sheets if necessary)
	ble design or construction deficiency, were it to have remained
A. 1	morrected, could have affected adversely the safety of operations
	of the nuclear power plant at any time throughout the one
	lifetime of the plant.
1	NO YES X If Yes, Explain: Without objective documented evidence
	to support renewal of certification, welding certification is indetermina
	AND
C	The infinite represents a significant breakdown in any portion of
в.	the quality assurance program conducted in accordance with the requirement of Appendix B.
	The Mark Explain: 10CFR50 Appendix 50 Criteria IX
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	a significant deficiency in final design as
с.	This deficiency represents a <u>signations</u> on that the design does not approved and released for construction such that the design does not conform to the criteria bases stated in the safety analysis report or
	construction permit.
	No Y Yes If Yes, Explain:
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D. This deficiency represents a <u>significant</u> deficiency in construction of or <u>significant</u> damage to a structure, system or component which will require <u>extensive</u> evaluation, <u>extensive</u> redesign, or <u>extensive</u> 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.

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No X Yes ____ If Yes, Explain: _____ OR E. This deficiency represents a significant deviation from 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 X Yes ___ If Yes, Explain; IF ITEM 4A, AND 4B OR 4C OR 4D OR 4E ARE MARKED "YES", IMMEDIATELY HAND-CARKY THIS REQUEST AND SUPPORTING DOCUMENTATION TO NSRS. This Condition was Identified by: <u>Shew</u> <u>365-4464</u> ERT Group Manager <u>Phone Ext.</u> - 365 - 14/4 Phone Ext. ERT Project Manager Acknowledgment of receipt y NSRS _____ Date 10/3/85 Time 1257

enti	fication of Item Involved:
	(nomencedence, c) and sketches, etc.)
scri	ption of Problem (Attach related documents, photos, section, for
Ipdat	ing of welder's certification was conducted without objective
locur	mentation evidence
	the pacegrant (find a start (f
aso	a for Reportability: (Use supplemental sheets if necessary)
	to dealer or construction deficiency, were it to have remained
. T	his design of could have affected adversely the safety of operations
0	f the nuclear power plant at any time throughout the expected
1	ifetime of the plant.
	O YES Y If Yes, Explain: Without objective documented evidence
	<u> </u>
1	o support renewal of certification, werding certification to mouth
	 A comparison of a provide state of a p
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	this deficiency represents a significant program conducted in accordance with the requirement
8.	the quality assurance program concerns
5.	
5.	JOSEDED Anandiz ED Criteria IX
5.	No Yes X If Yes, Explain: 10CFR50 Appendix 50 Criteria IX
3.	No Yes X If Yes, Explain: <u>10CFR50 Appendix 50 Criteria IX</u>
5.	No Yes X If Yes, Explain: <u>10CFR50 Appendix 50 Criteria IX</u> ANSI N45.2
8.	No Yen X If Yes, Explain: <u>10CFR50 Appendix 50 Criteria IX</u> ANSI N45.2
8.	No Yen X If Yes, Explain: <u>10CFR50 Appendix 50 Criteria IX</u> ANSI N45.2
8.	No Yen X If Yes, Explain: <u>10CFR50 Appendix 50 Criteria IX</u> ANSI N45.2
5.	No Yen X If Yes, Explain: <u>10CFR50 Appendix 50 Criteria IX</u> ANSI N45.2 <u>OR</u>
в. с.	No Yes X If Yes, Explain: <u>10CFR50 Appendix 50 Criteria IX</u> ANSI N45.2 OR This deficiency represents a <u>significant</u> deficiency in final design as
с.	No Yen X If Yes, Explain: <u>10CFR50 Appendix 50 Criteria IX</u> ANSI N45.2 <u>OR</u> This deficiency represents a <u>significant</u> deficiency in final design as approved and rel-ased for construction such that the design does not approved and rel-ased for construction such that the design does not
с.	No Yen X If Yes, Explain: <u>10CFR50 Appendix 50 Criteria IX</u> ANSI N45.2 <u>OR</u> This deficiency represents a <u>significant</u> deficiency in final design as approved and rel-ased for construction such that the design does not conform to the c.iteria bases stated in the safety analysis report or construction permit.
s. C.	No Yen X If Yes, Explain: <u>10CFR50 Appendix 50 Criteria IX</u> ANSI N45.2 <u>OR</u> This deficiency represents a <u>significant</u> deficiency in final design as approved and rel-ased for construction such that the design does not conform to the c.iteria bases stated in the safety analysis report or construction permit.

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Page 2 of 2

D. This deficiency represents a <u>significant</u> deficiency in construction of or <u>significant</u> damage to a structure, system or component which will require <u>extensive</u> evaluation, <u>extensive</u> redesign, or <u>extensive</u> 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.

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This deficiency represents a specifications which will report or <u>extensive</u> repair to estable or component to perform its it	significant deviation from quire extensive evaluation, lish the adequacy of the str intended safety function.	performance <u>extensive</u> redesign ructure, system,
No X Yes If Yes, Expl	lain;	
The second s		
F ITEM 4A, AND 4B OR 4C OR 4D OI HIS REQUEST AND SUPPORTING DOCUM	R 4E ARE MARKED "YES", IMME MENTATION TO NSRS.	DIATELY HAND-CARRY
F ITEM 4A, <u>AND</u> 4B <u>OR</u> 4C <u>OR</u> 4D <u>OI</u> HIS REQUEST AND SUPPORTING DOCUM	R 4E ARE MARKED "YES", IMME MENTATION TO NSRS. ERT Group Manager	DIATELY HAND-CARRY <u>365-4464</u> Phone Ext.
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F ITEM 4A, AND 4B OR 4C OR 4D OI HIS REQUEST AND SUPPORTING DOCUM his Condition was Identified by knowledgment of receipt by NSR	R 4E ARE MARKED "YES", IMME MENTATION TO NSRS.	DIATELY HAND-CARRY <u>365-4464</u> Phone Ext. <u>365-44/4</u> Phone Ext.

quest No.	(ERT Concern No.)		(ID No., if reported)
		Welding	
ientificat	ion of Item Involved: (N	omenclature,	system, manuf., SN, Model, etc
escription	of Problem (Attach rel	ated document	ts, photos, sketches, etc.)
Updating (of welder's certificat	on was condu	ucted without objective
documenta	tion evidence	•	
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			a second s
eres for	Reportability: (Use s	upplemental s	sheets if necessary)
Leason Ior		61 . I	are it to have remained
A. This de	esign or construction d	eficiency, we	the safety of operations
uncorr	ected, could have affect	any time thi	roughout the expected
of the	nuclear power plant at		
liteti			- tinting desumanted syiden
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- to sur	port renewal of certif	ication, weld	ling certification is indeterm
AND			e is increased a suggestion of the
B. This of Ap	deficiency represents a uality assurance progra pendix B.	significant m conducted i	breakdown in any portion of in accordance with the requirer
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OR			deficiency in lines develo
OR C. This appro confe	deficiency represents a oved and released for co orm to the criteria base	a <u>significant</u> onstruction s as stated in	such that the design does not the safety analysis report or
OR C. This appro confe const	deficiency represents a oved and released for co orm to the criteria base truction permit.	a <u>significant</u> onstruction s as stated in	such that the design does not the safety analysis report or
OR C. This appro confo const	deficiency represents a oved and released for co orm to the criteria base truction permit.	a <u>significant</u> onstruction s as stated in plain:	such that the design does not the safety analysis report or

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D. This deficiency represents a <u>significant</u> deficiency in construction of or <u>significant</u> damage to a structure, system or component which will require <u>extensive</u> evaluation, <u>extensive</u> redesign, or <u>extensive</u> 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.

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No X Yes If Yes, Explain: OR E. This deficiency represents a significant deviation from 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 X 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: ERT Group Manager <u>365-4464</u> Phone Ext. Illian Ster 365-44/4 ERT Project Manager Acknowledgment of receipt by NSRS Date 10/3/85 Time 12.51 med