

ORGANIZATION: ROCKWELL INTERNATIONAL, INC.
 ENERGY SYSTEMS GROUP
 CANOGA PARK, CALIFORNIA

REPORT NO.:	99900266/82-02	INSPECTION DATE(S)	10/25-29/82	INSPECTION ON-SITE HOURS:	28
CORRESPONDENCE ADDRESS: Rockwell International, Inc. Energy Systems Group ATTN: Mr. D. Empey, Quality Assurance Director 8900 De Soto Avenue Canoga Park, CA 91304					
ORGANIZATIONAL CONTACT: Mr. D. Empey, Quality Assurance Director TELEPHONE NUMBER: (213) 700-3926					
PRINCIPAL PRODUCT: Class 1, 2, and 3 vessels, piping, and components. NUCLEAR INDUSTRY ACTIVITY: Commercial nuclear production represents 25% of total company production. Three nuclear contracts are presently in-house for current and future production.					
ASSIGNED INSPECTOR:		<i>J.W. Sutton</i> J. W. Sutton, Reactive & Component Program Section (R&CPS)		11-30-82 Date	
OTHER INSPECTOR(S):					
APPROVED BY:		for <i>[Signature]</i> I Barnes, Chief, R&CPS		11-30-82 Date	
INSPECTION BASES AND SCOPE: A. <u>BASES</u> : 10 CFR Part 50, Appendix B and 10 CFR Part 21. B. <u>SCOPE</u> : Followup on 10 CFR Part 21 reports, calibration, and procurement control.					
PLANT SITE APPLICABILITY: Not identified.					

DESIGNATED ORIGINAL
 Certified By *Rhianne Clark*

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<p>A. <u>VIOLATIONS:</u></p> <p>None</p> <p>B. <u>NONCONFORMANCES:</u></p> <ol style="list-style-type: none">1. Contrary to Criterion V of Appendix B to 10 CFR Part 50 and paragraphs 3.3 and 4.1 in Section N4.00 of the Energy Systems Group (ESG) QA Manual: (a) two purchase orders were issued to a vendor for the supply of nuclear safety related wire who had not been listed as an approved source; and (b) quality verification at source and/or receipt for the safety related wire was not required.2. Contrary to Criterion V of Appendix B to 10 CFR Part 50, paragraph 3 in Section N4.02 of the ESG QA Manual, and paragraph 3.2(b) in Section N4.00 of the ESG QA Manual: (a) the Quality Engineer did not retain file copies of the two safety related wire purchase orders; and (b) the "Inspection by QA" block had been improperly signed by an individual other than the designated QA Engineer. <p>C. <u>UNRESOLVED ITEMS:</u></p> <p>None</p> <p>D. <u>OTHER FINDINGS:</u></p> <ol style="list-style-type: none">1. <u>Followup on 10 CFR Part 21 Reports</u> - The NRC inspector reviewed ESG's followup activities for those 10 CFR Part 21 reports which had been initially reviewed during the previous inspection. ESG had issued a Technical Services Field Engineering Bulletin to all affected nuclear plants pertaining to the reported problem of "Hydrogen Recombiner Heater Lead-Wire Temperatures." Modification kits were being distributed to all plants on the list. A return notification to ESG is being requested from the plant operators. The NRC inspector also reviewed five closed and six in-process 10 CFR Part 21 evaluations that have been documented since the last inspection. The evaluations of these deficiencies were verified as being conducted in accordance with ESG instructions and procedures. <p>Affected nuclear plant operators have been notified by letter and instructions are being formulated to correct the deficiencies.</p>		

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<p>2. <u>Calibration</u> - The NRC inspector reviewed Section N3.00 of ESG's QA Manual, "Calibration of Measuring and Test Equipment." In addition, the "Standard Operating Policies" and calibration procedure manual were reviewed for content. Twenty final acceptance gages, meters, and measurement equipment (including calibration standards) were examined for compliance to QA program requirements. The controlling computer run, dated October 22, 1982, and the calibration recall inventory system were reviewed for compliance to procedures. Calibration of all equipment examined was found to meet QA procedure requirements. As a result of the review of this documentation, the NRC inspector determined that calibration requirements are being implemented in accordance with the ESG QA Manual commitments.</p> <p>3. <u>Procurement Control</u> - The NRC inspector reviewed Section N4.00 of ESG's QA Manual, "Receiving Inspection Procedure" (900.001), and "Standard Operating Procedure" (J-12) for content. Purchase orders, specifications, and receiving reports were reviewed for five orders. Procedures were discussed with project engineers, QA engineers, and receiving personnel. During the course of the inspection, it was noted that two purchase orders had been issued to an unqualified vendor, and the purchase orders had not been processed as required by QA procedures (see nonconformances in B. above).</p>		

Inspector J.W. Sutton
 Scope/Module 92716
56900
38990.

DOCUMENTS EXAMINED

1	2	TITLE/SUBJECT	3	4
1	7.	Letter. 998-071-LA33 - LOECR Gen Orders.	12-23-81.	-
2	8.	Part 21. Log Book	Current	-
3	8.	Possible + Amend Part 21 Rpts - 82-0-2-3-4-5-6-7-8-9-10 with letters and various documentation, Review etc.	Various	-
4	7.	August 27-1982 - N4PIPE Program.	8-27-82	-
5	7	To. NRC - Dir of Engineering	8-31-82	-
6	9	Letter - NRC - ASME Code Test.	8-20-82	-
7	7.	Rept of Deviation - 82-8.	10-21-82	-
8	7	" * 82-7. Letters to Blanks.	10-21-82	-
9	7	" " 82-9. " " "	10-27-82	-
10	7	Phi Pat - wife - Rept No 82-6-82	6-21-82	-
11	7.	Technical Service Bulletin - TM12 -	8-3-82	-
12	4.	QA manual - N4.00 Section -	5-14-82	-
13	5	P.O's. 217-308 AMP - PD - 217-283-AMP		
14	2	Specification # 44. wire + Cabl.		
15	3	Procedure - 900-001 -		

Document Types:
 1. Drawing
 2. Specification
 3. Procedure
 4. QA Manual

Columns:
 1. Sequential Item Number
 2. Type of Document
 3. Date of Document
 4. Revision (If applicable)

5. Purchas Order
 6. Internal Memo
 7. Letter
 8. Other (Specify-if necessary)

1	2	TITLE/SUBJECT	3	4
16	8	Supplier Quality Evaluation Index Book. No. 01-QE1.	Quart	-
17	3	SOP - J-12. Prep - P.O.		
18	4	QAOP - N3.00 - Calibration.	8-3-82	-
19	4	SOP - Q-24.	1-29-80	-
20	8	Instruments - 327229-327190 - A12185 - A12095 - A 13964.		
		A13287 - 12064 - 13878 - 13938 - 13847 - 12390 - 12449.		
		2092A - 2074A - 2009A - 12038N - 2103A - 2071 - 2020A		
21	8	Computer printout.	10-22-82	
22	8	Cal. Recall inventory (CRIS.)		
23	8	Standards - A12874. Cages Blank, Rockwell Tester - Surface Plat.		

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