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:

Section (R&CPS)

W. Sutton, Reactive & Component Program

11-30-72

OTHER INSPECTOR(S):

APPROVED BY:

Barnes, Chief, R&CPS

Date

## INSPECTION BASES AND SCOPE:

- BASES: 10 CFR Part 50, Appendix B and 10 CFR Part 21.
- SCOPE: Followup on 10 CFR Part 21 reports, calibration, and procurement B. control.

PLANT SITE APPLICABILITY:

Not identified.

Cartified By Phlanne Clark

8301040719 821217 PDR GA999 EMVRDCI 99900266 PD

ORGANIZATION: ROCKWELL INTERNATIONAL, INC.

ENERGY SYSTEMS GROUP CANOGA PARK, CALIFORNIA

REPORT INSPECTION PAGE 2 of 3 NO.: 99900266/82-02 RESULTS:

# A. VIOLATIONS:

None

## В. NONCONFORMANCES:

- 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.

## C. UNRESOLVED ITEMS:

None

## D. OTHER FINDINGS:

Followup on 10 CFR Part 21 Reports - The NRC inspector reviewed ESG's 1. 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.

Affected nuclear plant operators have been notified by letter and instructions are being formulated to correct the deficiencies.

ORGANIZATION: ROCKWELL INTERNATIONAL, INC.

ENERGY SYSTEMS GROUP CANOGA PARK, CALIFORNIA

REPORT		INSPECTION	
NO.:	99900266/82-02	RESULTS:	PAGE 3 of 3

- 2. Calibration 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.
- Procurement Control 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).

J.W. St. TON Scope/Module 5-6900 Inspector

DOCUMENTS EXAMINED

Docket No. 990266 Report No. 82-02 Page / of Z

9. Sette. 198-011- LA33 - 100 FR Con Orless.  8. Part 21. Fry Book  8. Part 21. Fry Book  8. Part 21. Bry Book  9. With Reliance and Various documentation fearure the.  7. August 27-16 Fr Wy PIPE Program.  9. Ether - NRC - Die of Ergeneium  9. Ether - NRC - Asme Code Test.  10. In 82-9-8  11. August 27-16 Fr Jellen to Plents.  11. August 27-16 Fr My S2-6-82  12. And Poundien - 82-9-  13. Frechused Eunei Bullotin Thirz -  14. Gr. Managel - NY.00 Saturin.  15. Os. 2017-30x AMP - PD - 217-28 3- AMP  16. Os. 2017-30x AMP - PD - 217-28 3- AMP  17. Specufication # 444. Luma + Cabl.  28. Specufication # 444. Luma + Cabl.	2	IIILE/ SUBUCCI		
Part 21. for Book (art 21 Repts - 82-0-2-4-5-10) Porable + Domis Part 21 Repts - 82-0-2-4-5-10 Porable + Domis Part 11 Repts - 82-0-2-4-5-10  Ruy ant 27-1892 - NUPPE Programmer Annuari etc.  To. ORC - Dir & Enquering  To. ORC - Dir & Enquering  To. ORC - Dir & Enquering  To. ORC - NRC - Asmeroad Test.  Light of Devertion - 82-8-  Light of Devertion - 82-9-  Light of Devertion - 82-9-9-  Light of Devertion - 82-9-9-  Li	4	,	12 2 21.	1.
Part 21. Jones Part 1. Royts - 82-6-2-4-5-1-7-8-5-10 Posable + Domis Part 1. Royts - 82-9-1-3-4-5-1-7-8-5-10  Much Celles and Varwin documentation feverainto  For MRC - Dir of Engineering  Fetter - NRC - Asmerolo Fest.  Royt of Deviation - 82-8.  Lin	7.		curent	
Poseble + Domis Part 21 Papes - 81-1-1-5-500 Method by the south of th	00	Pay 21. dog Book	Variano	١
with alless and various documentation fevering the.  August 27-1982 - NUPIPE Program - i for which is to MRC - Die of Engineering.  Ection - NRC - Asmeroade Test.  Rept of Deviation - 82-8-  Lin " 82-9. " " " " " " " " " " " " " " " " " " "	00	Posable + Doneil Part 21 Marts - 82-0-2-5-4-5	+	
August 77-1682 - NUPPE Program.  To. ONRC - Dir of Enginering  Ectles - NRC - ASMERO de Test.  Rept of Deviation - 82-8-  Lin " 82-9. " " " "  His Post - Wite - Rept No 82-6-82  Tochwicol Severi Bullotin TM1-2-  OA Manual - N4.00 Section - 78 3. AMP  P. O'S. 217-308 AND - PD - 217-28 3. AMP  Specufacilities # 44. Wine + Cabl.		1 0 1. Commis documentation Reviews the.		
August 27-1882 - NUTTIPE Trogram.  To. MRC- Dir of Engineiring  Exter NRC- Dir of Engineiring  Exter Deviation - 82-8-  L. " 82-9. " " " " " " " " " " " " " " " " " " "		were some one of the	とすいかと	1
To. ARC- Dir of Enginesium,  Esther-NRC- Asmecodo Text.  Rept of Deviation - 82-8.  L. " 82-9. "" " " " " " " " " " " " " " " " " "	۲.	August 27-1982 - NUPIPE Mayour.	P. 31.P2	,
Setter - NRC - ASMECODE Test.  Rept of Dewastion - 82-8-  "" " 82-9. "" " "  "" " 82-9. "" "  "" " " 82-9. "" "  "" " " " 82-9. "" "  "" " " " " " " " " " " " " " " "	2	To. ORC - Dir of Engineering	0	1
Rept of Deviation - 82-8-  (i. " 82-9. Fellen to Bents.  pti Pat - Wite - Rept No 82-6-82.  Technical Evvie Bullstin TM12-  9A manual - N4.00 Sation - 70-217-28 3-AMP  8.0's. 217-308 MAP - 90-217-28 3-AMP  Specification # 44. Wine + Cabl.	•	P. 1. 180 SIME Code Test.	2.00	
4. 184 - Wite - 82-9. Jellen to Bents.  4. 184 - Wite - Rept No 82-6-82  46. But - Wite - Rept No 82-6-82  94. But - Wite - Rept No 82-6-82  94. Manual - N4.00 Sution - 183. AMP  9.0's. 217-308 MMP - 10-217-283. AMP  Specufacion in # 44. Wire + Cable.	6	Jeller - File - 11 - 12 - 12	78-12-01	•
1. " " 82-9. " " "		- 85-8-	10-11-82	•
46. Pot - Wite - Rept No 82-6-82  Technical Sumii Bulletini - TM12 -  94 manual - N4.00 Saturi - 783-AMZ  9:0's. 217-308 MMP - 10-217-283-AMZ  Spenfeworth: # 44. Wine + Cabil.	6	82-7.		1
46 Pat - Wite - Rept No 82-6-82.  Technical Sewei Bulletini TM12 -  94 manual - N4.00 Section - 18 3. AMP  8.0's. 217-308 MMP - 10.217-28 3. AMP  8 poutuation # 44. Wire + Cabl.		4 82-9.	10-27-82	
Tochwicol Ewei Bullstin - TM12 - 9A manusl - N4.00 Sotton - 783-AMP 8.0's. 217-308 MMP - 90-217-283-AMP Spenferothin # 44. With + Cabil.	-	1.0.1. 2.4.22		
90 manual - NY.00 Sation - 1M12 - 91 manual - NY.00 Sation - 10 - 217 - 28 3 - AMZ 8.0's. 217 - 308 MMp - 10 - 217 - 28 3 - AMZ Spenferolin # 44. wine + Cabl.	6	to 13t - Wile - Non 200 000	1-7/-5	
9.0's. 217-30x MMP - M. 217-28 3. AMP Spenferstin # 44. Wite + Cabl.	7.	Tochucal Ewile Gulletin - 1M12 -	20.	
9.0's. 217-30x MMp - 10-217-283-AMp Spoutperstri # 44. Wire + Cabl.		. Mun Portion .	8-3-66	
8.0's. 217-308 MAP - 10 - 411 - 40 3- mily Spouterature # 44. wine + Cabil.	7.	CA manuel - mine Section 703 4403	5-14-82	
	4	P.O.S. 217-308 AND - 10 - 211 - 48 3- MAIL		
Precedus - 900-001-	2	Shouldenthin # 44. with + Cabel.		
3 Muchul - 100-001	3	1.0		
	N	Muedun - 700-001		

# Document Types:

- Drawing Specification
- QA Manual
- Purchas Order
  - Internal Memo Letter
    - Procedure
- Other (Specify-if necessary)

# Columns:

- Sequential Item Number Type of Document Date of Document Revision (If applicable)

Inspector J. W. Sutton

38590. Scope/Module 51,900

DOCUMENTS EXAMINED

Bocket No. 9720 146 Report No. 52-02 Page 2 of 2

- Specification
- Document Types:
  1. Drawing
  2. Specification
  3. Procedure
  4. QA Manual
- Purchas Order
- Internal Memo 8.7.9
- Letter Other (Specify-if necessary)

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

# PERSONS CONTACTED

Company Stones when returned Div-Enough System Crump Docket/Report No. 99900266/82-02

Dates Notober 25-29-1982

Inspector J. Sutton.

Page / of /

NAME(Please Print)	TITLE(Please Print)	ORGAN	NIZATIO	N(Please	Print)
J.W. SUTTON					
F. R. Williams	Project Manager Recombiner Qualification	Energy	System	s Group.	AI Div.
D.N.GLASS	MANAGER, QA ALLAIS & Controls	E5G	4	4	4
W. L. EARNEY	LEAD AUDITOR GA AUDITS ! CONT	ESG	4	•	•
R.L. Jaseph	QA Andits & Controls	Esc		4	4
W.T. GABRIEL		ESG	4	h	4
R. J. CARDENAS	MGR. INSPÉTIEST PROS, MGR RECOMBINERS	256	٠	"	"
D.C. EMPEY	DIR- 8A	EsG	4	4	4
G. Corpodian	QA Engineer	ESG	. 4	^	
R. W. ALLISTON	Project Engineer	ESG		٠,	4
w.T. Ford.	inspection Asst Mar.	ESG.		· >	1
M. Khabushan.	INSpection -	ES.C			
	Program MANAGER	ESG	4,		,
K. SANDERS.		ESG	*	4	
H. L. YOBS	Califration Technism-	ESG.	1.	4	,
W. Newson	California to their	1536.			
				7 7 7 7	
	1				
			-		
		<del> </del>			
2		-			
		-			
Like and the second					