

ORGANIZATION: WESTINGHOUSE ELECTRIC CORPORATION, INSTRUMENTATION DEPARTMENT
HUNT VALLEY, MARYLAND

REPORT NO.: 99900217/81-02	INSPECTION DATE(S): 11/16-19/81	INSPECTION ON-SITE HOURS: 28
CORRESPONDENCE ADDRESS: Westinghouse Electric Corporation Instrumentation Department ATTN: Mr. J. F. Heins, General Manager 1111 Schilling Road Hunt Valley, MD 21031		
ORGANIZATION CONTACT: Mr. R. W. Lee, Product Assurance Manager TELEPHONE: (301) 667-5532		
PRINCIPAL PRODUCT: Electronic components and controls.		
NUCLEAR INDUSTRY ACTIVITY: About 75% of manufacturing is commercial nuclear work. Solid State Protection Systems, Nuclear Instrumentation Systems, Digital Rod Position Indication Systems, Reactor and Containment Vessel Level Monitoring Systems, and Technical Support Centers are some of the product lines.		
ASSIGNED INSPECTOR:	<u>C. J. Hale / W. M. McNeill</u> W. M. McNeill, Components Section (CS)	<u>1-4-82</u> Date
OTHER INSPECTOR(S):		
APPROVED BY:	<u>U. Potapovs</u> U. Potapovs, Acting Chief, CS	<u>1-4-82</u> Date
INSPECTION BASES AND SCOPE:		
A. BASES: 10 CFR Part 50, Appendix B.		
B. SCOPE: Nonconformances and corrective action; calibration; procurement controls; and status of previous inspection findings.		
DESIGNATED ORIGINAL Certified By <u>Rheanne Jouts</u>		

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INSPECTION RESULTS:

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A. VIOLATIONS:

None

B. NONCONFORMANCES:

1. Contrary to the QA Manual, Section 14.1 and Criterion V of Appendix B to 10 CFR Part 50, two Inspection Control Tags were found with incorrect and missing information.
2. Contrary to the QA Manual, Section 7.1, and Criterion V of Appendix B to 10 CFR Part 50, two Corrective Action Requests (CARs) for vendor nonconformances were either not initiated or were voided.
3. Contrary to the QA Manual, Section 8.2 and Criterion V of Appendix B to 10 CFR Part 50, three cases were found where defects were not logged or were logged incorrectly.
4. Contrary to the QA Manual, Section 3.6 and Criterion V of Appendix B to 10 CFR Part 50, independent verification of vendor test results has not been performed for the last four months.

C. UNRESOLVED ITEMS:

None

D. STATUS OF PREVIOUS INSPECTION FINDINGS:

1. (Closed) Nonconformance (81-01): A method of design change verification was used which was not described in Quality System Requirements. The forms used have been modified to remove the method in question. The design control procedure will be revised to reflect this change. A review of verification activities found no further problems.
2. (Closed) Nonconformance (81-01): Inspection Control Tags did not have the latest revision of applicable drawings and initials of personnel. Instruction classes were held for personnel. A review of Inspection Control Tags found no further problems in this specific area, however, another nonconformance was identified in this area.
3. (Closed) Nonconformance (81-01): A change to a drawing in use was not properly documented. Instruction classes were held for personnel. A review of drawings found in use in the shop found no further problems.

E. OTHER FINDINGS OR COMMENTS:

1. Nonconformances and Corrective Action - The Material Review Board (MRB) activities for the past six months was reviewed. This included 21 reports. The review, disposition, and documentation of nonconformances followed procedures. Corrective action was documented for internal activities, however, a nonconformance was identified in this area regarding vendor corrective action. During this timeframe eight Material Rejection Notices had been dispositioned by MRB with vendor CARs. Defects and quality trends were summarized and reported. Weekly Defect Summary and Inspection Submittal and Discrepancy Records were reviewed. Hardware in the shop was reviewed for proper identification of defects. One nonconformance was identified in this area.
2. Calibration - Sixteen instruments and 10 crimping tools were inspected. Instruments and tools were found to be labeled properly. Records and procedures were found which established the acceptance limits, schedules, and results of calibration.
3. Procurement Controls - The purchase order for three components for the Solid State Protection Systems were reviewed in detail. Cabinets, relays, and power supplies were the items on these purchase orders. The use of the Approved Vendor List, vendor evaluation and history was verified to follow the approved procedures. Vendor history files which include Survey Reports, Audit Checklists, Source Reports, Vendor Quality Rating System, Detail Reports, Questionable Vendor Reports, and Certified Vendors Reports were inspected. In this area one nonconformance was identified. An open item for follow up during a later inspection was also identified. The vendor certification and test data could not be found for some Class 1E power supplies on purchase order 02D-ASP 87737 which were inspected on April 25, 1981.

Company McNeill

Dates 11/16-19/81

Docket/Report No. 81-02

Inspector McNeill

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Inspector M. A. HillScope/Module -

DOCUMENTS EXAMINED

 Docket No. 99900217
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1	2	TITLE/SUBJECT	3	4
1R	3	Engineering Proc'd Manual - Revision Notice Pro	6/6/78	E
-	7	NRC Audit Response CREIGNTON	9/22/81	-
-	9	Attendance lists (3)	-	-
-	7	NRC FINDINGS KNOTTS	9/24/81	-
-	7	GROUP MEETINGS FULLEN	8/20/81	-
-	7	NRC Audit Response Matrix - GREGORY	9/30/81	-
-	7	NRC Inspection - Gregory	9/9/81	-
500	3	INSPECTION CONTROL TAG	7-20-79	A
7.1	3	Non conforming Material Review	3-1-79	-
8.1	3	Defect Identification and Corrective Action	3-1-79	-
8.2	3	Product Defect Reporting System	3-1-79	-
8.4	3	Field Trouble Records -	-	-
6.1	5	(3) General Orders for field work 18580, 18810, 18981	3-1-79	-
6.2	3	EPSD Hunt Valley Calibration System Manual	7-20-79	A
	3	CALIBRATION & CONTROL OF CRIMP TOOLS		
	9	CALIBRATION REPORTS & REPORTS OF THE (16)		
		STANDARDS USED FOR CALIBRATION		

Document Types:

1. Drawing
2. Specification
3. Procedure
4. QA Manual

5. Purchase Order
6. Internal Memo
7. Letter
8. Other (Specify-If necessary)
9. Reports

Columns:

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

Inspector McNeill

Scope/Module

DOCUMENTS EXAMINED

1	2	TITLE/SUBJECT	3	4
-	7	APPROVED Subs VENDOR LIST	Oct 8 '81	-
-	9	LOWER-TIER SELLER INFORMATION-SSPS	6-22-77	-
3.1	3	Purchase Requisition Review	10-1-79	-
3.2	3	Interplant Shop Order	3-1-79	-
3.3	3	Vendor Surveys	7-20-79	A
3.4	3	Vendor Qualification and Control	3-1-79	-
3.5	3	Vendor Quality Rating System	3-1-79	-
3.6	3	Supplier Compliance Verification		
-	5	P.O. 23771 to 416 for 20 Cabinets	4/6/81	-
-	6	Sub- Vendor Audit Schedule for 1981	Oct/23/81	-
-	6	Questionable & Problematic Vendor List		

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