

APPENDIX B

U. S. NUCLEAR REGULATORY COMMISSION
REGION IV

NRC Inspection Report: 50-285/84-15

License: DPR-40

Docket: 50-285

Licensee: Omaha Public Power District (OPPD)
1623 Harney Street
Omaha, Nebraska 68102

Facility Name: Fort Calhoun Station (FCS), Unit 1

Inspection At: Blair, Nebraska

Inspection Conducted: June 23-27, 1984

Inspector: Abigail Evans for 7-11-84.
R. A. Caldwell, Physical Security Specialist Date

Approved: R. E. Hall 7-11-84
R. E. Hall, Acting Chief, Nuclear Materials Safety and Safeguards Branch Date

L. E. Martin 7/23/84
L. E. Martin, Chief, Project Section A, Reactor Project Branch 2 Date

Inspection Summary

Inspection Conducted June 23-27, 1984 (Report 50-285/84-15)

Areas Inspected: Routine, unannounced inspection of receipt, storage, and handling program. The inspection involved 37 inspector-hours onsite by one NRC inspector.

Results: Within the areas inspected, one violation was identified (failure to follow procedures-inspection of material received, paragraph 2).

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DETAILS

1. Persons Contacted

OPPD

- *W. C. Jones, Division Manager, Operations
- *W. G. Gates, Manager, FCS
- *M. R. Core, Supervisor, Maintenance
- M. G. Strang, Store Assistant
- *K. J. Morris, Manager, Administrative Services
- *J. J. Fiscaro, Supervisor, Nuclear Regulatory and Industry Affairs
- *R. L. Jaworski, Section Manager, Technical Services
- *F. A. Thurtell, Division Manager, Quality Assurance (QA)
- *W. C. Winter, Manager, QA
- *P. M. Surber, Section Manager, Generating Station Engineering

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Others

L. A. Yandell, Fort Calhoun Senior Resident Inspector

*Denotes those present at the exit interview.

The NRC inspector also interviewed other licensee employees during the inspection. These employees included craftsmen, engineers, and office personnel.

2. Receipts, Storage, and Handling Program

The NRC inspector reviewed licensee procedures and activities to determine whether the control of receipt, storage, and handling of equipment and material is in conformance with regulatory requirements, the licensee's approved QA program, and implementing procedures. The NRC inspector reviewed the following:

- o OPPD QA Department Procedure-10, Revision 1, dated March 1984, "Review of Procurement Documents"
- o OPPD QA Department Procedure-11, Revision 1, dated March 1984, "Approval and Audit of Vendors"
- o OPPD QA Department Procedure-12, Revision 1, dated March 1984, "Material Acceptance and Receipt Inspection"
- o OPPD QA Department Procedure-13, Revision 0, dated November 1983, "Control of Nonconforming Items and Materials"

- ° OPPD QA Department Procedure-14, Revision 1, dated July 1983, "Deficiency Tracking and Trending"
- ° FCS Unit 1, Standing Order G-22, Revision 8, dated March 11, 1984, "Storage of Critical Element and Radioactive Material Packaging, Fire Protection Material, and Calibrating Equipment"
- ° FCS Unit 1, Standing Order G-24, Revision 13, dated March 7, 1984, "Receiving and Shipping Control of CQE, Limited CQE, Fire Protection Material, and Radioactive Material Packaging Materials (Quality Material)"
- ° FCS Unit 1, Standing Order G-42, Revision 4, dated December 29, 1983, "Reporting of Defects and Non-Compliance to the Nuclear Regulatory Commission"
- ° FCS Unit 1, Standing Order G-18, Revision 6, dated January 26, 1984, "Nonconformance Control"

In addition to FCS QA Department Procedures and FCS Standing Orders, the NRC inspector used the following documents as a basis for this inspection:

- ° 10 CFR 50, Appendix B, Criterion VII, "Control of Purchased Material, Equipment, and Services"
- ° 10 CFR 50, Appendix B, Criterion XV, "Nonconforming Materials, Parts, or Components"
- ° Regulatory Guide 1.38, "Quality Assurance Requirements for Packaging, Shipping, Receiving, Storage, and Handling of Items for Water-Cooled Nuclear Power Plants"
- ° ANSI Standard N45.2.2-1972, "Packaging, Shipping, Receiving, Storage, and Handling of Items for Nuclear Power Plants"

During this inspection, the NRC inspector reviewed receiving packet reports for the following Purchase Orders (POs):

<u>Purchase Order</u>	<u>Item</u>
PO 1824	Unistrut Channel & Accessories
PO 530174	Various Spare Parts for Refueling Machine
PO 63273	Bonnet Gasket for Three Inch Valve
PO 536034	Bellows Assembly for Pressurized Safety Valves
PO 536033	Washer, Nuts, Bolts for Containment JIB Crane

PO 536283	Metal Gasket and Asbestos Gasket Filler
PO 536311	Sleeve, Cable, Heavy-Wall, Flame Retarded for No. 18-16 AWG Multiconductor
PO 61093	Gaskets for Adams Strainer
PO 61147	QSPDS Parts - Expansion Board, Display Unit, PDU Modem, Fiber Optic Modems
PO 63249	Four (4) Pounds of Chevron Grease NRR Grade 159NT
PO 63525	ASCO Solenoid Valves and Repair Kits
PO 61106	Repair QSPDS 1748-1 Card and 1748-EX Card
PO 52302	Machine Work on Auxilliary Building Crane Eye Hook per SRDCO-FC-82-40

All of the above listed items were safety-related items received onsite as limited critical quality equipment, critical quality equipment, or fire protection equipment. In addition to the above listed receiving packet reports, the NRC inspector reviewed approximately 45 additional packets.

The NRC inspector found that receipt inspections, material inspections, and material acceptance plans were adequate except in two cases. PO 52302 was completed on September 24, 1982, without benefit of a receiving or materials inspection checklist. PO 52302, dated September 22, 1982, required machine work to be performed on the auxiliary building crane eye hook per SRDCO-FC-82-40. The PO stated final dimensions were to be verified by plant quality control (QC) personnel. The crane eye was reinstalled without benefit of the material inspection which would have caused the final dimensions to be verified by plant QC personnel.

PO 61106, dated October 11, 1983, was a critical quality equipment order for repair of two electronic cards that are required for the QSPDS system. Both cards were delivered at some unspecified date in November 1983 to the nuclear site and reinstalled in the QSPDS system without the benefit of a receiving inspection or a materials inspection.

The above examples, PO 52302 and PO 61106 respectively, are examples of an apparent violation of the requirement that activities affecting quality be accomplished in accordance with documented procedures or instructions. In each case, PO 52302 and PO 61106 items received were not inspected to determine whether they conformed to procurement documents. This is an apparent violation. (285/8415-01)

3. Warehouse and Material Control

The NRC inspector observed the licensee's storage of components, material, and supplies stored in the warehouse to determine whether or not the licensee was in conformance with his approved QA program and regulatory requirements.

The warehouse was found to have limited space for Level A Storage and Level B Storage as defined in ANSI N45.2.2. Material was separated and tagged as required by the licensee's procedures and ANSI guidelines. The warehouse was well organized and efficiently maintained.

In addition, the NRC inspector observed safety-related critical quality equipment, limited critical quality equipment, and fire-protection equipment stored in the warehouse. The NRC inspector found that items were properly marked and tagged such that they were traceable back to POs, receipt documents, and quality certification documents. Also, the NRC inspector determined that the licensee tagged limited shelf life equipment and retained a formal list of all identified limited life equipment to maintain currency.

No violations or deviations were noted.

4. Exit Interview

The NRC inspector met with Mr. W. C. Jones and other members of the OPPD staff at the conclusion of the inspection on June 27, 1984, to summarize the scope and findings of the inspection.

INSPECTOR'S REPORT
Office of Inspection and Enforcement

R. Caldwell
REVIEWER:
R.E. Hall

INSPECTOR: *R. Caldwell*

LICENSEE/VENDOR	TRANSACTION TYPE	DOCKET NO. (8 digits) OR LICENSE NO. (BY PRODUCT) (13 digits)	REPORT		NEXT INSP. DATE	
			NO.	SEQ.	MO.	YR.
<i>Omaha Public Power District Ft. Calhoun</i>	I - INSERT M - MODIFY D - DELETE R - REPLACE	<i>05000285</i>	<i>8415</i>	A		

PERIOD OF INVESTIGATION/INSPECTION						INSPECTION PERFORMED BY		ORGANIZATION CODE OF REGION/HQ CONDUCTING ACTIVITY (See IEMC 0530 "Manpower Reporting - Weekly Manpower Reporting" for code)				
FROM		TO				1 - REGIONAL OFFICE STAFF 2 - RESIDENT INSPECTOR 3 - PERFORMANCE APPRAISAL TEAM		OTHER		REGION	DIVISION	BRANCH
MO.	DAY	YR.	MO.	DAY	YR.					<i>4</i>	<i>A</i>	<i>2</i>
<i>06</i>	<i>23</i>	<i>84</i>	<i>06</i>	<i>27</i>	<i>84</i>							

REGIONAL ACTION (Check one box only)	TYPE OF ACTIVITY CONDUCTED (Check one box only)			
1 - NRC FORM 591 <input checked="" type="checkbox"/> 2 - REGIONAL OFFICE LETTER	<input checked="" type="checkbox"/> 02 - SAFETY 03 - INCIDENT 04 - ENFORCEMENT 05 - MGMT. AUDIT	06 - MGMT. VISIT 07 - SPECIAL 08 - VENDOR 09 - MAT. ACCT.	10 - PLANT SEC. 11 - INVENT. VER. 12 - SHIPMENT/EXPORT 13 - IMPORT	14 - INQUIRY 15 - INVESTIGATION

INSPECTION/INVESTIGATION FINDINGS (Check one box only)				TOTAL NUMBER OF VIOLATIONS AND DEVIATIONS	ENFORCEMENT CONFERENCE HELD	REPORT CONTAIN 2.790 INFORMATION	LETTER OR REPORT TRANSMITTAL DATE			
A	B	C	D	A	B	C	D	NRC FORM 591 OR REG LETTER ISSUED	REPORT SENT TO HQ FOR ACTION	
<input checked="" type="checkbox"/>				<i>01</i>				<i>JUL 23 1984</i>		
1 - CLEAR	2 - VIOLATION	3 - DEVIATION	4 - VIOLATION & DEVIATION	1 - YES		1 - YES		MO.	DAY	YR.

MODULE INFORMATION												MODULE INFORMATION																		
REC. ORD.	MODULE NUMBER INSP.					MODULE REG. FOLLOWUP					REC. ORD.	MODULE NUMBER INSP.					MODULE REG. FOLLOWUP													
TYPE	NUMBER	PHASE	MANUAL CHAPTER	PROCEDURE NUMBER	LEVEL	PRIORITY	DIRECT INSPECTION EFFORT IN STAFF HOURS EXPENDED THIS INSPECTION	PERCENTAGE COMPLETED	TO DATE	STATUS	PHASE	MANUAL CHAPTER	PROCEDURE NUMBER	LEVEL	TYPE	NUMBER	PHASE	MANUAL CHAPTER	PROCEDURE NUMBER	LEVEL	PRIORITY	DIRECT INSPECTION EFFORT IN STAFF HOURS EXPENDED THIS INSPECTION	PERCENTAGE COMPLETED	TO DATE	STATUS	PHASE	MANUAL CHAPTER	PROCEDURE NUMBER	LEVEL	
<i>B</i>	<i>01530</i>			<i>70.3</i>	<i>B</i>		<i>00.4</i>								<i>B</i>						<i>A</i>									
<i>B</i>	<i>02538</i>			<i>70.2</i>	<i>B</i>		<i>3.3</i>	<i>9.0</i>							<i>B</i>						<i>A</i>									

* CIRCLE SEQUENCE IF VIOLATION OR DEVIATION

DOCKET NO. (8 digits) OR LICENSE
NO. (BY PRODUCT) (13 digits)

REPORT

MODULE NUMBER

**INSPECTOR'S REPORT
(Continuation)**

Office of Inspection and Enforcement

05000295

0515

38702B

NO. SEQ. A B C D

VIOLATION SEVERITY OR DEVIATION

1 2 3 4 5 6

SITE RELATED

A C B D

VIOLATION OR DEVIATION (Enter up to 2400 characters for each item. If the text exceeds this number, it will be necessary to paraphrase. Limit lines to 50 characters each.)

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Failure to follow procedures - Instances of failure to inspect material received at Ft. Calhoun Station in accordance with Quality Assurance Department Procedure - 12 and 10 CFR Appendix B, Criterion II.