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Appraiser's Exp 43

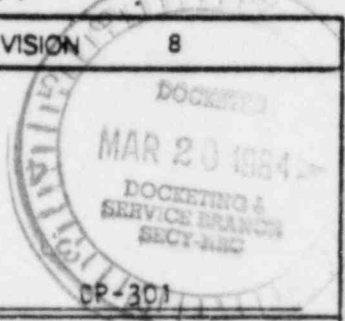
25507 (R10-81)

FORM F-1A

REVISION 8

*A-43
11/17/83*

DUKE POWER COMPANY
CONSTRUCTION DEPARTMENT
PROJECT Catawba



CONSTRUCTION PROCEDURE

SERIAL NUMBER CP-301

TITLE:

CONTROL OF ELECTRICAL CABLE TRAY HANGER INSPECTION AND REWORK

QA REQUIRED ☒ YES ☐ NO CONDITION 1

ANNUAL REVIEW REQUIRED ☒ YES ☐ NO

REQUIRED NUMBER OF COPIES	REQUIRED DISTRIBUTION *	REQUIRED NUMBER OF COPIES	REQUIRED DISTRIBUTION *
1	GENERAL SUPERINTENDENT		SUPV. TECH.-CIVIL
	LAYOUT SUPERVISOR		SUPV. TECH.-MECHANICAL
	CONST. ENGINEER - CIVIL		SUPV. TECH.-WELDING
	CONST. ENGINEER - MECHANICAL		SUPV. TECH.-NDE
	CONST. ENGINEER - WELDING	1	SUPV. TECH.-ELECTRICAL AND INST.
	CONST. ENGINEER - SYSTEMS		SUPV. TECH.-MATERIAL
1	CONST. ENGINEER - ELECTRICAL	1	QC Engr. Elect.
	CONST. ENGINEER - INSTRUMENTATION		
	Q.A. ENGINEER - MECH, WELD, NDE		
1	Q.A. ENGINEER - CIVIL, ELEC, INST		STEAM PRODUCTION <input type="checkbox"/> NONCONTROLLED
	FACILITIES ENGINEER		DESIGN ENGINEERING <input type="checkbox"/> NONCONTROLLED
	PLANNING AND SCHEDULING ENGINEER	ORIGINAL	DOCUMENT CONTROL

REV. NO.	PREPARED BY	DATE	REVIEWED BY	DATE	APPROVED BY	DATE	Q.A. APPROVAL	DATE
0	JC Allgeod	6-16-78	EC Wall	6-20-78	DL Freeze	6-19-78	J W Willis	6-20-78
1	JC Allgeod	8-29-78	E C Wall	8-29-78	DL Freeze	8-29-78	JW Willis	8-29-78
2	H D Mason	2-15-80	E C Wall	2-15-80	DL Freeze	2-16-80	H D Mason	2-18-80
3	D A Jenkins	3-19-80	R S Morrison	3-19-80	DL Freeze	3-19-80	H D Mason	3-19-80
4	<i>J W Willis</i>	<i>3-24-82</i>	<i>R S Morrison</i>	<i>3-25-82</i>	<i>DL Freeze</i>	<i>4-10-82</i>	<i>H D Mason</i>	<i>4-14-82</i>
5								
6								
7								

REV. NO.	VENDOR REVIEW			REV. NO.	VENDOR REVIEW		
	VENDOR	BY	DATE		VENDOR	BY	DATE
0							
1							
2							
3							

8405240477 831117
PDR ADOCK 05000413
G PDR

FINAL Q.A. APPROVAL

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SEE APPROPRIATE FORM FOR CONSTRUCTION

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Construction Procedure 301
Revision 4

DUKE POWER COMPANY
CONSTRUCTION DEPARTMENT
CATAWBA NUCLEAR STATION

Construction Procedure 301

Control of Electrical Cable Tray Hanger Inspection and Rework

1.0 PURPOSE

This procedure is to be used in conjunction with Construction QA Procedure M-41 to identify inspected hangers and when necessary to authorize rework to be performed on inspected hangers.

2.0 SCOPE

This procedure shall apply to all Nuclear Safety Related Electrical Cable Tray Hangers shown on Electrical Design Drawings installed at Catawba Nuclear Station. The inspection of electray and its hangers is covered under cable termination inspection.

3.0 RESPONSIBILITY

The Senior Quality Control Engineer is responsible for inspecting all cable tray hangers within the scope of this procedure in accordance with QA procedure M-41. He shall also be responsible for identifying inspected hangers in accordance with this procedure. The General Superintendent shall be responsible for coordinating all craft responsibilities which affect inspected hangers. The Project Senior Quality Assurance Engineer shall be responsible for approving and filing records generated by this procedure.

4.0 PROCEDURE

4.1 Cable Tray hanger inspection shall be performed to the requirements contained in construction QA procedure M-41B serial number 2 and documented on Form CP-301C.

4.2 Upon satisfactory completion of an erection inspection in accordance with QA Procedure M-41, the QC Inspector will document the inspection on Form CP-301C and forward to QA for review.

The QC Inspector shall, also, tag the hanger (or its support grid if inspected separately) with Form CP-301A as a notification to all craft personnel that they may proceed with any of the following work on the hangers:

4.2.1 Painting

4.2.2 Attachment of Cable Tray

4.2.3 Supports authorized by Design or Construction documents (i.e. Field run electray supports, lighting, grounding, etc.).

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Construction Procedure 301
Revision 4
Page 2

- 4.3 When determined by craft personnel that modifications or additions need to be made to an inspected hanger, then it is the responsibility of the appropriate craft foreman to initiate form CP-301B for authorization to work on the hanger.
- 4.4 Form CP-301B shall be routed to QA for approval before the modification is begun.
- 4.5 QA shall mark the original "Record Copy" and make copies for distribution as required. The craft shall maintain the record copy until the modification is completed. At that time, section 2 of form CP-301B shall be signed by the craft and routed to the QC Supervisor for reinspection.
- 4.6 Hanger Re-inspection shall be performed to the requirements of QA procedure M-41B serial number 2 and shall cover all modifications made to the existing hanger.
- 4.7 For CP-301B shall be routed to Project QA along with a completed inspection form CP-301C for approval and filing.

Form CP-301C Revised | 4

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Form CP-301A Rev 0	
AN ERECTION INSPECTION HAS BEEN PERFORMED ON THIS HANGER. DO NOT REMOVE, RE-ADJUST, OR IN ANY WAY ALTER THE HANGER WITHOUT FIRST CONTACTING THE RESPONSIBLE ELECTRICAL INSPECTOR.	
SIGNATURE	DATE

RED LETTERS
WHITE BACKGROUND
SCALE- FULL

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SECTION 1

REQUEST FOR INSPECTED HANGER MODIFICATION

HANGER TYPE _____ LOCATION _____ LOCATION DWG _____

THE HANGER LISTED ABOVE WHICH HAS BEEN PREVIOUSLY
 INSPECTED BY QUALITY CONTROL PERSONNEL NEEDS TO BE
 MODIFIED FOR THE FOLLOWING REASON:

 (CRAFT FOREMAN) (DATE)

 (Q.A. APPROVAL) (DATE)

DISTRIBUTION	CONST. ENG.	Q.C. SUPERVISOR	Q.A. ENG.	

SECTION 2

WORK HAS BEEN COMPLETED ON THE MODIFIED HANGER
 AND IT IS READY FOR A QUALITY CONTROL RE-INSPECTION.

 (CRAFT FOREMAN) (DATE)

HANGER RE-INSPECTED IN ACCORDANCE WITH QA
 PROCEDURE M-41.

 (Q.C. INSPECTOR) (DATE)

 (Q.A. APPROVAL) (DATE)

COMMENTS:

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CP-301 Rev 4

FORM CP-301C

REVISION 2

DUKE POWER COMPANY
CONSTRUCTION DEPARTMENT
PROJECT _____

HANGER INSPECTION

☐ ORIGINAL

☐ REWORK

HANGER NUMBER _____

ELEVATION _____

BUILDING _____

COLUMN _____

AZIMUTH _____

QC INITIAL	INSPECTION	DRAWING NO.	REV. NO.
	HANGER LOCATION CORRECT		
	END CAPS TACKED		
	HANGER MATERIAL CORRECT		
	HANGER DIMENSIONALLY CORRECT		
	CORRECT ANGLES OR PLATES USED		
	SEISMIC BRACING AND CONNECTION CORRECT		
	BOLTING MATERIAL CORRECT		
	CORRECT ANCHORS USED		
	TORQUE ON BOLTS CORRECT: WRENCH NO.		
	TORQUE ON ANCHORS CORRECT: WRENCH NO.		
	WELDS MARKED WITH VIS-OK AND WELD. INSPECTORS INITIALS		

VN	NCI

COMMENTS:

INSPECTION PER M-418 SERIAL NO. 2

APPROVAL

INSPECTOR _____

DATE _____

QA _____

DATE _____

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NUCLEAR REGULATORY COMMISSION
Form NRC-413
Report No. 30-413
In the State of California
Site ✓
Inspection ✓
Design of ✓
Construction ✓
Operation ✓
Debate ✓
Reporter Ben Graham
DATE 1/17/83
JUL 83