

APPENDIX

U. S. NUCLEAR REGULATORY COMMISSION
REGION IV

NRC Inspection Report: 50-498/85-16

Construction Permit: CPPR-128

Docket: 50-498

Licensee: Houston Lighting and Power Company (HL&P)
P. O. Box 1700
Houston, Texas 77001

Facility Name: South Texas Project (STP), Unit 1

Inspection At: South Texas Project, Matagorda County, Texas

Inspection Conducted: September 9-13, 1985

Inspector : J. E. Bess
J. E. Bess, Reactor INSpector, Engineering Section

10/15/85
Date

Approved: [Signature]
G. L. Constable, Chief, Reactor Project Section C

10/19/85
Date

R. E. Ireland
R. E. Ireland, Chief, Engineering Section

10/15/85
Date

Inspection Summary

Inspection Conducted September 9-13, 1985 (Report 50-498/85-16)

Areas Inspected: Routine unannounced inspection of construction activities including site tour; review of QA programs and procedures for the receipt, storage, installation and maintenance of electrical equipment and components. The inspection involved 40 inspector-hours onsite by one NRC inspector.

Results: Within the two areas inspected, no violations or deviations were identified.

DETAILS

1. Persons Contacted

Principal Licensee Personnel

- *D. Bohner, Project Quality Assurance (QA) Supervisor
- *T. Jordan, Project QA Manager
- *L. Dolan, Project Compliance
- *S. Chapin, Electrical Engineer
- *F. Karpinski, Construction Supervisor

Other Personnel

Bechtel Power Corporation

- *L. Hurst, Project QA Manager
- *R. Medina, Lead QA Engineer
- *J. Beers, Site Project Engineer
- *J. Gatewood, Project QA Engineer

Ebasco Service Inc.

- *R. Peck, QA Site Supervisor

The NRC inspector also interviewed other licensee and contractor employees during the course of the inspection.

*Denotes those attending the exit interview.

2. Site Tour

The NRC inspector toured the reactor building, control room, fuel building, and auxiliary building for Unit 1 to observe construction in progress and to inspect housekeeping.

No violations or deviations were identified.

3. QA Programs and Procedures - Electrical Equipment and Components

The purpose of this inspection was to determine whether appropriate and adequate QA procedures exist to assure compliance with NRC requirements and licensee commitments for the performance of the following activities pertaining to electrical equipment and components: receipt, storage, installation and maintenance.

A. Receipt Inspection and Storage

The NRC inspector examined the licensee's QA procedures for receipt inspection and storage of electrical equipment and components. The procedures examined and the licensee's adherence to these procedures appeared to meet NRC requirements and licensee commitments. The procedures examined are listed below:

- Receiving Inspection - WPP/QCI-4.0 Rev. 10, 4/30/85
- Nonconforming Material Parts and Components - WPP/QCI-5.0 Rev. 14, 8/26/85
- Storage Control of Permanent Plant Items - WPP/QCI-12 Rev. 16, 8/16/85
- Storage and Housekeeping - WPP/QCI-13 Rev. 8, 8/16/85
- General Instruction for Housekeeping During Construction, CSP-12 Rev. 1, 7/22/85

The examined procedures and documents provide for adequate inspection of electrical components and equipment upon receipt to assure that the electrical equipment and components are undamaged, are in conformance with purchase specifications, and that specified inspection reports are prepared. The examined procedures also assure special handling and onsite storage requirements. Adherence to the procedures will assure that receipt inspection and storage requirements including environmental protection and segregation of nonconforming material are met. No violations or deviation were identified.

B. Installation and Maintenance

The NRC inspector examined the licensee's QA procedures pertaining to the Installation and Maintenance of electrical components and equipment. The procedures examined and the licensee's adherence to these procedures appeared to meet NRC requirements and licensee commitments. The procedures examined are listed below:

- Installation of Permanent Electrical and Mechanical Plant Equipment - CSP-2 Rev. 4, 5/14/85
- Caring and Maintenance of Permanent Plant Items CMI Rev. 6, 4/15/85
- Rigging of Equipment - WPP/QCI-15 Rev. 6, 5/21/85
- EE580 Cable and Raceway Tracking, 5/21/85

- Measuring and Test Equipment Control - ASP-23 Rev. 2, 7/31/85
- Material Control - ASP-5 Rev. 8, 6/24/85
- Configuration Control Package Design Change Package - ASP-17 Rev.-1, 4/18/85
- Nonconformances - ASP-33 Rev. 8, 7/24/85
- Notice of Procedure Changes - WPP/QCI 2.3 Rev. 7, 3/5/85
- Control, Review and Processing of Quality Records - WPP/QCI-60 Rev. 9, 8/16/85
- Maintenance of Material and Equipment - WPP/QCI-28 Rev. 10, 5/21/85
- Safety and Non-Safety Related Cable Pulling - CSP-19 Rev. 4, 7/30/85
- Cable Terminations and Splices - CSP-8 Rev. 1, 2/14/85
- Document Control - ASP-6 Rev. 7, 4/17/85
- Corrective Action - ASP-16 Rev. 3, 1/01/85
- Indoctrination and Training - ASP-34 Rev. 4, 7/29/85
- Qualification and Training of Site Personnel - WPP/QCI-8 Rev. 10, 5/24/85
- Field Change Notice - WPP/QCI-20.1 Rev. 5, 5/21/85
- Field Change Request - WPP/QCI-20 Rev. 15, 8/20/85

The NRC inspector verified that procedures covering handling, installation and maintenance requirements have been established. Procedures pertaining to the protection, preservation of internal cleanliness and maintenance of components after installation appeared to meet NRC requirements.

No violations or deviations were identified.

4. Exit Interview

The NRC inspector met with licensee representatives (denoted in paragraph 1) and Mr. C. Johnson, the NRC Senior Resident Inspector, on September 13, 1985, and summarized the scope and finding of the inspection.