



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION II
101 MARIETTA ST., N.W., SUITE 3100
ATLANTA, GEORGIA 30303

Report No.: 50-389/83-04

Licensee: Florida Power and Light Company
9250 West Flagler Street
Miami, FL 33101

Docket No.: 50-389

License No.: CPPR-144

Facility Name: St. Lucie 2

Inspection at St. Lucie site near Ft. Pierce, Florida

Inspector: *C. M. Upright For* *1/24/83*
A. G. Debbage Date Signed

Approved by: *C. M. Upright* *1/24/83*
C. M. Upright, Section Chief Date Signed
Engineering Program Branch
Division of Engineering and Operational Programs

SUMMARY

Inspection on January 3-7, 1983

Areas Inspected

This routine, unannounced inspection involved 34 inspector-hours on site in the areas of onsite design activity relating to nonconforming mechanical support/restraints, examination of QA inspection and nonconformance records, review of a design control audit report, and inspection of installed supports/restraints.

Results

Of the four areas inspected, no violations or deviations were identified.

REPORT DETAILS

1. Persons Contacted

Licensee Employees

- *B. J. Escue, Site Manager, Plant St. Lucie Unit 2
- C. Carlo, QC Mechanical Supervisor
- D. R. Cooper, QA Audit Supervisor
- R. W. Jule, Lead Hanger/Restraints Engineer
- J. R. Luke, QA Engineer
- *E. Preast, Senior Resident Engineer
- *N. T. Weems, Superintendent of St. Lucie Projects - QA

Ebasco Services, Incorporated

- *G. H. Krauss, Site Project Engineer
- *G. E. Grace, Licensing Engineer
- P. E. Grossman, Mechanical Engineer

Combustion Engineering

- *J. C. Orlowski, Licensing Engineer

U. S. Testing

- J. M. Nolan, QC Supervisor
- J. J. Mello, QC Senior Inspector

Other licensee employees contacted included construction craftsmen, QA/QC personnel, field engineers, and office personnel.

NRC Resident Inspector

- *S. A. Elrod, Senior Resident Inspector

- *Attended exit interview

2. Exit Interview

The inspection scope and findings were summarized on January 10, 1983, with those persons indicated in paragraph 1 above.

3. Licensee Action on Previous Enforcement Matters

Not inspected.

4. Unresolved Items

Unresolved items were not identified during this inspection.

5. List of Acronyms

PSL-2	Plant St. Lucie Unit 2
ESSE	Ebasco Site Support Engineering Group
FCR	Field Change Requests
NCR	Nonconformance Report
DFCR	Discrepant Field Condition Report
DCN	Drawing Change Notice
S/R	Supports/Restraints

6. Onsite Design Activities (37055B)

The design activities being performed on site were examined during the inspection October 4-8, 1982 and reported in 50-389/82-45. The object of this recent inspection was to examine the processing of FCRs and resolution of nonconforming mechanical supports/restraints. Specific attention was given to those FCRs which had not been approved initially by ESSE. This inspection also included a review of the licensee initial S/R inspections and the final acceptance inspections and also the field examination of installed supports/restraints.

(a) Functional Responsibilities for Onsite Design

Onsite design activities are performed by ESSE which has a current manpower level of 99. The group is supervised by the site project engineer who reports to the PSL-2 project engineer in the Ebasco home (New York) office. The responsibilities of ESSE include the review and approval of FCRs which result in only minor project design changes, issue DFCRs for identified nonconforming design conditions, disposition NCRs, prepare DCNs which are minor design changes, consult with the home office for approval of FCRs which result in major design changes, and coordinate design activities between the home office and onsite construction groups. During December 1982, ESSE handled 1248 FCRs, 91 DCNs, and 578 NCRs.

(b) Procedure Review

Program requirements and procedures governing design control and corrective action activities were reviewed for completeness and effectiveness. The procedures reviewed included the following:

QI 10.18, R2	Piping System Configuration Inspection
QI 10.67, R0	Equipment Seismic Support Inspection
SQP-16, R10	Pipe Support Erection
SQP-17, R3	Design Control
SQP-21, R8	Corrective Actions

(c) Examination of QA Records

Records were examined and discussions held with appropriate design, construction, and inspection personnel to determine that nonconforming conditions had received adequate design review, that the corrective action was adequate, and that it was in accordance with established site procedures. The records reviewed included the following:

<u>S/R IDENTIFICATION</u>	<u>INITIAL INSPECTION REPORT</u>	<u>QC DEFICIENCY REPORT</u>	<u>FINAL INSPECTION REPORT</u>	<u>DATE COMPLETED</u>
RC-56-R5	MH82-16186	DR-2683MH	MH82-16802	10/22/82
CC-2074-19	MH82-15914	DR-2607MH	MH82-19533	12/18/82
SI-93-R1	MH82-16112	DR-2647MH	MH82-19560	12/17/82
MS-3023-26A	MH82-16968	DR-2761MH	MH82-17076	10/24/82

<u>S/R IDENTIFICATION</u>	<u>INITIAL INSPECTION REPORT</u>	<u>NONCONFORMANCE REPORT</u>	<u>FINAL INSPECTION REPORT</u>	<u>DATE COMPLETED</u>
MS-4101-314	MH82-15383	4775MH	MH82-15438	09/29/82
SI-61-R2	FCR2-5654E	4747MH	MH82-15573	09/30/82
	(Not Approved)			
BF-4004-2355	MH82-15564	4799MH	MH82-17354	10/20/82
CH-35 (FCR2-10563E)	MH82-16016	4885MH	MH82-17187	10/26/82

<u>S/R IDENTIFICATION</u>	<u>FIELD CHANGE REQUEST</u>	<u>APPROVED BY ESSE</u>	<u>DISPOSITION</u>	<u>DATE OF ACTION</u>
FLO-2998.099	10053E	No	DFC 2358	12/21/82
B-25-H5	10460E	No	DFC 2387	11/17/82
FS-25-6B	9391E	Yes	DCN 513.2168	09/09/82
2998-3734 ,R2	10371	No	FCR Cancelled	09/26/82
MS-4101-314	10555E	Yes	MH82-15438	09/28/82
RC-56-R5	10599E	No	MH82-16802	10/19/82

(d) Audit Report Review

An FP&L construction design control audit QAC-PSL2-82-14 had been conducted from May 12 through June 30, 1982. The audit scope was to verify the translation of QA program requirements for design control into site procedure/instructions and the site's implementation of the procedures/instructions so generated. The auditor examined the use of QC design change log forms which in addition to DFCs, DCNs, etc., included tracking FCRs both approved and disapproved by ESSE. The QA

program was determined to be satisfactory with the exception of one finding. This concerned the variations and forms used by construction QC but were not described in the site procedures. This item was corrected on July 16, 1982, by the revision of procedure QI 9.7 to reflect the methods used. Discussions with the auditor showed that he was thoroughly familiar with the FCRs, NCRs, DFCRs and S/Rs reviewed by the inspector.

(e) Installed Supports/Restraints

Hangers installed or being modified in the diesel generator building and auxiliary building were inspected to verify that the installation was in accordance with the approved drawings, or that the status was reflected in the QA records. S/Rs inspected included the following:

CC - 85 - I6
CC - 85 - R5
RE - CH - 67 (Still under modification)
RE - CH - 7
CH - 80 - R9
SI - H - 311 (replaced with SI - 2401 - 2444)

Within the areas examined, no violations or deviations were identified.