



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II

101 MARIETTA ST., N.W., SUITE 3100  
ATLANTA, GEORGIA 30303

Report No: 50-389/83-18

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: W. P. Ang

3-29-83

Date Signed

Approved by: J. J. Blake

3/29/83

Date Signed

J. J. Blake, Section Chief  
Engineering Programs Branch  
Division of Engineering and Operational Programs

SUMMARY

Inspection on March 8-11, 1983

Areas Inspected

This routine, unannounced inspection involved 22 inspector-hours on site in the areas of seismic analysis for as-built safety related piping systems.

Results

Of the area inspected, no violations or deviations were identified.

## REPORT DETAILS

### 1. Persons Contacted

#### Licensee Employees

- \*B. J. Escue, Site Manager
- \*E. Preast, Site Resident Engineer
- \*R. A. Symes, Supervising QA Engineer
- \*J. L. Parker, Project QC Supervisor
- \*C. Carlo, Jr., Mechanical QC Supervisor

#### Other Organizations

#### EBASCO Services, Incorporated (EBASCO)

- E. Z. Zuchman, Project Engineer
- \*P. Grossman, Site Project Engineer
- \*J. M. Vargas, Lead Mechanical Engineer
- R. Oneill, Supervising Engineer
- F. Stomel, Director, Applied Mechanics

#### NRC Resident Inspector

- \*S. A. Elrod

- \*Attended exit interview

### 2. Exit Interview

The inspection scope and findings were summarized on March 11, 1983, with those persons indicated in Paragraph 1 above. The licensee was informed of the findings listed below. The licensee acknowledged the findings.

(Closed) Unresolved Item 82-11-02 - Body to Bonnet Thread Engagement, Paragraph 3.

(Open) Unresolved Item 83-18-01 - Evaluation for Reportability of Pipe Support Discrepancies, Paragraph 5.

(Open) Unresolved Item 83-18-02 - B-P Pipe Support Clamp Design, Paragraph 5.

### 3. Licensee Action on Previous Enforcement Matters

(Closed) Unresolved Item 82-11-02 - Body to Bonnet Thread Engagement. This unresolved item noted that the studs for the body to bonnet flange of valve IV-07-1529 was threaded halfway into the body flange. During this inspection, Anchor Darling Valve Company Drawing W8021993 rev. C and an Anchor

Darling Engineering evaluation provided by a telex dated July 1, 1982, 0905 a.m. were reviewed. The valve vendor and the licensee considered the condition to be technically acceptable. The inspector had no further questions on this item and closed the unresolved item.

#### 4. Unresolved Items

Unresolved items are matters about which more information is required to determine whether they are acceptable or may involve violations or deviations. New unresolved items identified during this inspection are discussed in Paragraph 5.

#### 5. Seismic Analysis for As-Built Safety-Related Piping Systems (IEB 79-14)

A follow-on inspection to the NRC/RII inspection documented on report 50-389/83-10 was performed to verify licensee compliance with IEB 79-14 requirements and licensee commitments. The licensee's work on IEB 79-14 was discussed with both the licensee and its Architect/Engineers (A/E), EBASCO.

Violation 81-04-04 noted four examples of the licensee's failure to follow piping and pipe support installation procedures and drawings. The licensee had not yet completed corrective action for the violations nor had it completed action on its commitments as stated in its violation response. The violation was left open.

Violation 82-71-01 noted three examples of failure to follow pipe support instructions, procedures or drawings. The supports in question were SI-2407-60A, SI-2407-67, and SI-2407-84. Disposition for the noted discrepancies on all the pipe supports was to revise the pipe support drawings to reflect the as-built condition. Drawings for supports SI-2407-60A, SI-2407-67 and SI-2407-84 had been revised to reflect as-built conditions. However, the revised drawing for SI-2407-67 still did not show rigid strut, piece 1, to be installed with an approx. 3° to 4° downward slope. The inspector was not able to verify onsite that the as-built condition had been considered in the applicable pipe support calculations. This will be accomplished during a subsequent inspection. RII Report 50-389/83-10 noted two additional examples of failure to follow pipe support instructions procedures or drawings on pipe supports CC-2075-87 and CC-2075-6003. The licensee had not yet completed corrective action on these pipe supports.

The licensee's response to violation 82-71-01 dated February 11, 1983, and a supplemental response dated March 10, 1983, attributed the discrepancies to lack of attention to detail during the beginning of the restraint/hanger inspection program. This period was identified by the licensee to be between June 22, 1981 to October 14, 1981, and involved approximately 700 pipe supports. The licensee committed to reinspect all above noted pipe supports. The following pipe supports were selected and inspected by the NRC inspector to determine the adequacy of the licensee's re-inspection effort.

SI-2406-28 rev. 7, Safety Injection  
SI-2406-32 rev. 8, Safety Injection  
SI-2406-33 rev. 6, Safety Injection  
SI-2406-58 rev. 9, Safety Injection  
SI-2412-99 rev. 9, Safety Injection  
SI-2416-378 rev. 12, Safety Injection

The NRC inspector reviewed inspection records for the pipe supports noted above and determined that significant discrepancies observed on the pipe supports had been identified by QC during the reinspection and had been forwarded for engineering evaluation and disposition. The inspector had no further questions regarding the QC inspection of pipe supports. However, pending completion of corrective action for discrepancies noted on the pipe supports and completion of licensee commitments regarding this violation, Violation 82-71-01 was left open.

Nonconformance Report 6274 MH was issued for the discrepancies noted on pipe supports CC-2075-87 and CC-2075-6003 (see previous paragraph of this section of this inspection report). During the review of this nonconformance report and subsequent discussions with the licensee, the NRC inspector noted that the nonconforming condition had been determined by the licensee to be "not reportable" by its 10 CFR 50.55(e) evaluation process. However the effects of the discrepancies in conjunction with the other nonconformances identified during the reinspection effort had not been factored into this evaluation. Subsequent discussions with the licensee resulted in the licensee's committing to re-evaluate the reportability of the above noted discrepancies in conjunction with the discrepancies noted in the approximately 700 pipe supports that were re-inspected. Pending the evaluation for reportability, this was identified as unresolved item 50-389/83-18-01 - Evaluation for Reportability of Pipe Support Discrepancies.

On February 24, 1983, Bergen-Paterson Pipesupport Corporation (B-P) submitted a potential 10 CFR Part 21 item regarding possible misapplication of a B-P pipesupport clamp type at another utility. Discussions with FPL and its A/E indicated that a potential existed for similar misapplication at St. Lucie 2 but that the subject had not yet been fully studied and applicability of the problem to St. Lucie 2 had not yet been confirmed or dismissed. The licensee and its A/E were reminded of IEB 79-14 and Technical Specification requirements, as applicable, regarding operability of systems for the various modes of operation. The licensee and its A/E acknowledged the requirements and stated that the applicability and extent of the potential Part 21 report to St. Lucie 2 would be determined and corrective action, if required, taken in accordance with IEB 79-14 requirements. Pending licensee evaluation, this was identified as unresolved item 50-389/83-18-02, B-P Pipe Support Clamp Designs.

Pending licensee completion of IEB 79-14 requirements and licensee commitments the bulletin was left open.

No violations or deviations were identified.