



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION II  
101 MARIETTA STREET, N.W.  
ATLANTA, GEORGIA 30323

Report No.: 50-302/85-40

Licensee: Florida Power Corporation  
3201 34th Street, South  
St. Petersburg, FL 33733

Docket No.: 50-302

License No.: DPR-72

Facility Name: Crystal River 3

Inspection Conducted: September 30 - October 4, 1985

Inspector: *J. H. Moorman, III*

J. H. Moorman, III

10/22/85  
Date Signed

Approved by: *G. A. Belisle*  
G. A. Belisle, Acting Section Chief  
Division of Reactor Safety

10/22/85  
Date Signed

SUMMARY

Scope: This routine, unannounced inspection entailed 35 inspector-hours on site in the areas of licensee action on previous enforcement matters; QA/QC administration; procurement; and receipt, storage, and handling.

Results: No violations or deviations were identified.

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## REPORT DETAILS

### 1. Persons Contacted

#### Licensee Employees

H. Barbour, Senior Quality Auditor  
\*P. Breedlove, Nuclear Records Management Supervisor  
\*J. Bufe', Nuclear Compliance Specialist  
J. Davis, Storekeeper  
\*D. Green, Nuclear Licensing Specialist  
\*V. Hernandez, Senior Nuclear Quality Assurance (QA) Specialist  
\*K. Lancaster, Site Nuclear QA Manager  
W. Nielson, Senior Instrumentation and Controls (I&C) Supervisor  
\*G. Oberndorfer, Procurement QA Supervisor  
\*E. Renfro, Director, Nuclear Operations Material and Control  
\*C. Tillman, Nuclear Material Control Manager  
\*L. Tiscione, Supervisor, Site Nuclear Engineering, Procurement Section  
D. Truett, Nuclear Calibration Laboratory Clerk  
F. Wohlfahrt, Nuclear Material Inspector

Other licensee employees contacted included technicians, and office personnel.

#### Other Organizations

\*G. Belisle, Acting Section Chief, Division of Reactor Safety  
W. Dender, Project Engineering Services

#### NRC Resident Inspectors

\*T. Stetka, Senior Resident Inspector  
\*J. Tedrow, Resident Inspector

\*Attended exit interview

### 2. Exit Interview

The inspection scope and findings were summarized on October 4, 1985, with those persons indicated in paragraph 1 above. The inspector described the areas inspected. The licensee acknowledged the inspection findings. The licensee did not identify as proprietary any of the materials provided to or reviewed by the inspector during this inspection.

3. Licensee Action on Previous Enforcement Matters (92702)

(Closed) Severity Level IV Violation (302/85-13-01): Failure to Control Environmental Conditions in the Calibration Laboratory.

The licensee response dated May 17, 1985, was considered acceptable by Region II. The inspector verified that NCL-01, Test Equipment, Standards, and Calibration Control, Revision 7, was revised to include requirements for control of temperature and humidity in the calibration lab during the time that calibration activities are being conducted. The inspector also verified that temperature and humidity in the calibration lab were being monitored and recorded. The inspector concluded that the licensee had determined the full extent of the violation, taken action to correct conditions, and developed corrective actions needed to preclude recurrence of similar problems. Corrective actions stated in the licensee response have been implemented.

4. QA/QC Administration (35751)

References:

- (a) 10 CFR 50.54(a)(1), Conditions of Licenses
- (b) Final Safety Analysis Report (FSAR) Section 1.7, Quality Program (Operational), Revision 5
- (c) 10 CFR 50, Appendix B, Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants
- (d) Regulatory Guide 1.33, Quality Assurance Program Requirements (Operations)
- (e) ANSI N18.7-1976, Administrative Controls and Quality Assurance for the Operational Phase of Nuclear Power Plants
- (f) Technical Specifications, Section 6

The inspector reviewed the licensee QA/QC administration program required by references (a) through (f) to determine if the program had been established in accordance with regulatory requirements and industry guides and standards. The following criteria were used during this review to determine the overall acceptability of the established program:

- The QA program documents clearly identified those structures, systems, components, documents, and activities to which the QA program applies.
- Procedures and responsibilities were established for making changes to QA program documents.

- Administrative controls for QA/QC procedures required review and approval prior to implementation, control of revisions, and control of distribution and recall.
- Responsibilities were established to assure overall evaluation of the effectiveness of the QA program.
- Methods existed to modify the QA program to provide increased emphasis on identified problem areas.

The documents listed below were reviewed to determine if the previously listed criteria were incorporated into the licensee's QA/QC administration program:

#### Nuclear Quality Assurance Plan

IADT	Quality Program Including Audit and Follow-up Action Program, Revision 0
MGTR	Management and Technical Review Program, Revision 0
PCDR	Instructions and Procedures Requirements, Revision 0

#### Quality Programs Administrative Procedures

QAP-1	Organization and Responsibilities, Revision 5
QAP-2	Preparation and Control of Procedures and Instructions, Revision 6
QAP-3	Writing Nuclear Quality Assurance Practices, Revision 9
QAP-16	Control of Quality Program Deficiency Reports, Revision 5

#### Safety Related Engineering Procedures

SREP-0	Introduction to Safety Related Engineering Procedures, Revision 6
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Florida Power Corporation Safety Listing, Volume 1, 7/16/85  
 Florida Power Corporation Safety Listing Supplement, Volume 2

To verify implementation of this program, the inspector interviewed members of the QA/QC staff and reviewed surveillances referenced in paragraphs 5 and 6. It appeared that responsibilities were understood by personnel interviewed and that the surveillance program had flexibility to provide increased emphasis on problem areas.

Within this area, no violations or deviations were identified.

## 5. Procurement Program (38701)

- References:
- (a) 10 CFR 50.54(a)(1), Conditions of Licenses
  - (b) Final Safety Analysis Report (FSAR) Section 1.7, Quality Program (Operational), Revision 5
  - (c) 10 CFR 50, Appendix B, Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants
  - (d) 10 CFR 21, Reporting of Defects and Noncompliance
  - (e) Regulatory Guide 1.33, Quality Assurance Program Requirements (Operations)
  - (f) ANSI N18.7-1976, Administrative Controls and Quality Assurance for the Operational Phase of Nuclear Power Plants
  - (g) Regulatory Guide 1.123, Quality Assurance Requirements for Control of Procurement of Items and Services for Nuclear Plants
  - (h) ANSI N45.2.13-1976, Quality Assurance Requirements for Control of Procurement of Items and Services for Nuclear Power Plants

The inspector reviewed the licensee procurement program required by references (a) through (h) to determine if the program had been established in accordance with regulatory requirements, industry guides and standards, and commitments made in the application. The following criteria were used during this review to determine the overall acceptability of the established program:

- Administrative controls were established to assign departmental responsibilities for procurement activities.
- Administrative controls were established to identify safety related equipment, supplies, consumables, and services to be procured under the licensee's QA program.
- Procedures were established to control the preparation, review, approval, and changes to procurement documents.
- Procedures were established to assure that vendors conform to procurement document requirements, industry standards and codes, and that nonconformances are reported and corrected.
- Controls were established to provide for audits and surveillances of procurement activities.

The following documents were reviewed to determine if these criteria had been incorporated into the licensee program for procurement of safety-related items and services:

Nuclear Quality Assurance Plan

PCMT	Procurement, Revision 1
VADT	Vendor Qualification Audit and Surveillance Program, Revision 1

Safety Related Engineering Procedures

SREP-12	Applicability of 10 CFR Part 21 to Procurement Documents, Revision 3
SREP-13	Safety Related Procurement Requisition Preparation, Review and Approval, Revision 6

Nuclear Procurement and Storage Manual, Revision 3

Approved Nuclear Supplies List (ANSL), 9/20/85

The inspector examined the following procurement documents to determine if requirements specified in the above procedures had been implemented during the initiation, review, approval, and processing of purchase requisitions:

<u>Purchase Order</u>	<u>Date</u>
F9036246	8/7/85
F9030951	2/22/85
F9033889	6/5/85
F9036042	8/1/85
F9032095	9/9/85
F9030106	1/29/85

Vendor Audits

Limitorque Corporation  
Hub Inc.  
Joy Manufacturing Co.

Quality Programs  
Surveillance Reports

	<u>Date</u>	<u>Subject</u>
83-TWC-12	3/30/84	Spare Decay Heat Pump DHP-1B
85-CHL-07	4/8/85	Overview Surveillance of Internals and Plenum Support Stand Fabrication, P. O. F9026398X



Quality Audit QP-253, Procurement (Purchasing and pre-receipt, handling, storage and shipping) 7/3/84

Examination of the above documents and interviews with licensee personnel confirmed that licensee administrative controls and measures were being implemented during the procurement of safety-related items and services.

Within this area, no violations or deviations were identified.

6. Receipt, Storage, and Handling of Equipment and Materials Program (38702)

References:

- (a) 10 CFR 50.54(a)(1), Conditions of Licenses
- (b) Final Safety Analysis Report (FSAR) Section 1.7, Quality Program (Operational), Revision 5
- (c) 10 CFR 50, Appendix B, Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants
- (d) Regulatory Guide 1.33, Quality Assurance Program Requirements (Operations)
- (e) ANSI N18.7-1976, Administrative Controls and Quality Assurance for the Operational Phase of Nuclear Power Plants
- (f) Regulatory Guide 1.38, Quality Assurance Requirements for Packaging, Shipping, Receiving, Storage, and Handling of Items for Water-Cooled Nuclear Power Plants.
- (g) ANSI N45.2.2-1972, Packaging, Shipping, Receiving, Storage, and Handling of Items for Nuclear Power Plants

The inspector reviewed the licensee program and procedures required by references (a) through (g) to determine if controls had been established for receipt inspections, initiation of nonconformance reports, disposition of nonconformances, handling, storage, and issue of safety-related equipment. The following criteria were used during this review to determine the overall acceptability of the established program:

- Administrative controls were established for conducting and documenting receipt inspections and reporting nonconformances.
- Administrative controls were established for disposition of items, marking, storing, and protection of items during storage.

- Administrative controls were established for limited shelf-life items and for performing audits and surveys of storeroom activities.
- Administrative controls were established for qualification of inspection personnel.

The following licensee documents were examined to determine if the licensee had prepared procedures to control receipt inspections, handling, storage, maintenance, and protection of reactor plant items:

#### Nuclear Quality Assurance Plan

INSP	Inspection and Examination, Revision 0
MTLS	Materials, Parts, and Components Control, Revision 0
NCON	Nonconforming Item Control and Corrective Actions, Revision 0

#### Quality Programs Administrative Procedures

QAP-29	Source Surveillance Inspection of Nuclear Fuel Assemblies and Related Parts, Revision 2
QAP-35	Quality Programs Department Training, Revision 1

#### Quality Programs Instructions

QPI-2	Training Instruction for Inspection Planning, Revision 0
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Nuclear Procurement and Storage Manual, Revision 3  
 Site Nuclear Quality Control Procedures Manual, Revision 18

A walk-through inspection of the following storage areas was performed to determine if equipment was being adequately stored:

<u>Storage Area</u>	<u>Protection Level</u>
Environmental Warehouses (Old and New)	B
Oil Storage	C
Mes-Tex Warehouse	C, D
Yard Storage	D

Storage of parts in the above areas appeared adequate. QA items were clearly marked with green tags stating shelf life control and purchase order number. Equipment was stored either above floor level on racks, on pallets, or in bins. In general, all storage areas were found clean and provided with appropriate environmental conditions relative to assigned protection level.



During this tour, the inspector randomly selected six items to verify that the attached identification provided traceability back to the original procurement documents. Documents for all items were available and retrievable from the microfilm files.

The inspector reviewed the following surveillances and audit conducted in the inspected area:

<u>Quality Programs Surveillance Reports</u>	<u>Date</u>	<u>Subject</u>
84-TWC-17	7/16/84	Storage of Structural Steel
84-DCN-22	9/7/84	Control of Safety-Related Material Returned to Stores
85-PGP-16	7/19/85	Item Custody Form Evaluation

Quality Audit QP-240, Materials, Parts and Components (Post-Receipt), 10/7/83

The surveillances and audit reviewed appeared to be of sufficient depth to cover the areas surveyed. Some nonconformances were identified. The nonconformances were well founded and indicative of a thorough audit. Nonconformances were responded to and corrective action for the nonconformances was accomplished in a reasonable amount of time.

Within this area, no violations or deviations were identified.