

APPENDIX

U. S. NUCLEAR REGULATORY COMMISSION
REGION IV

NRC Inspection Report : 50-382/82-21

Docket: 50-382

License CPPR-103

Licensee: Louisiana Power and Light Company
142 Delaronde Street
New Orleans, Louisiana 70174

Facility Name: Waterford Steam Electric Station, Unit 3

Inspection At: Taft, Louisiana

Inspection Conducted: September 20-24, 1982

Inspector: *L D Gilbert* 10/12/82
L. D. Gilbert, Reactor Inspector, Engineering Section Date

Reviewed: *W A Crossman* 10/14/82
W. A. Crossman, Chief, Reactor Project Section B Date

Approved: *D M Hunnicutt* 10/12/82
D. M. Hunnicutt, Chief, Engineering Section Date

Inspection Summary:

Inspection on September 20-24, 1982 (Report 50-382/82-21)

Areas Inspected: Routine unannounced inspection of licensee action on previous inspection findings; site tour; and inspection of welding and nondestructive examination of safety-related piping, including review of procedures, observation of work, and review of records. The inspection involved 32 inspector-hours by one NRC inspector.

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

DETAILS

1. Persons Contacted

Principal Licensee Employees

- *T. F. Gerrets, QA Manager
- *L. L. Bass, Project QA Engineer
- *B. M. Toups, QA Engineer Technician
- J. J. Dore, PSI Coordinator
- W. M. Morgan, Operations QA Supervisor

Other Personnel

- D. Jensen, Field Supervisor - NDE, Virginia Corporation of Richmond
- R. Skalski, QA Engineer, Edasco
- J. B. Gore, Site QA Manager, Tompkins-Beckwith (TB)
- *L. Richardson, QA Supervisor, TB
- *C. R. Cason, Assistant Project Manager, TB

The NRC inspector also interviewed other contractor QA/QC personnel.

*Denotes those attending the exit interview.

2. Followup on Previous Inspection Findings

(Open) Unresolved Item (8217-01): Ultrasonic examination records.

The NRC inspector was informed by the licensee and Virginia Corporation of Richmond that the discrepancy on the ultrasonic examination record sheet for welds 16-003, 16-005, 16-006, 16-010, 16-011, and 16-016 has not been resolved to date because the responsible inspector did not return to the site as scheduled.

Therefore, this item will remain open.

3. Site Tour

The NRC inspector toured the auxiliary building and reactor building to observe construction activities in progress and inspect for housekeeping.

No violations or deviations were identified.

4. Safety-Related Piping-Welding and NDE

a. Review of Procedures

The NRC inspector reviewed the following documents to assure that adequate controls have been established relative to welding and nondestructive examination (NDE) of safety-related piping.

- TB QA Manual, Revision 9/4/81, "Site Quality Assurance and Quality Control Program"
- TB Welding Procedure 8.4, Revision W-2, "Gas Tungsten Arc Welding (GTAW) of Stainless Steel Materials" and Supporting PQR No. 8.4
- GEO Procedure 3.20.A.1, Revision 1903-2, "Radiographic Examination of Welds"
- GEO Procedure 3.23.A.1, Revision 1903-3, "Penetrant Examination Visible Dye"

In the areas reviewed, the above documents appeared to be adequate to control welding and nondestructive examination activities.

b. Observation of Work

The NRC inspector observed the welding and quality control activities associated with fabricating the following safety-related piping welds:

<u>Weld</u>	<u>ISO Drawing</u>	<u>System</u>	<u>Class</u>
FW-13	IC-5	Safety Injection	2
FW-13	IC-89	Safety Injection	2
SW-4RW1	IC-910	Feedwater	3
SW-15RW1	IC-910	Feedwater	3
SW-16RW1	IC-910	Feedwater	3
FW-29RW1	IC-241	Boron Management	3

In the areas inspected, the entries on the weld control sheets were consistent with the status of the welds the inspectors were certified for performing Level II inspections, and the filler materials were consistent with weld procedure requirements and traceable to certified material test reports.

The NRC inspector also observed the weld surface condition of the following completed Class I welds in the reactor core system.

<u>Traveler No.</u>	<u>Welds</u>
Q1-RC-IC-674	FW2 & FW3
Q1-RC-IC-902	FW1 & FW2
Q1-RC-LW3-RC-37	FW2, FW3, & FW4

In the areas inspected, no discrepancies with the requirements of ASME B&PV Code Section III NB-4000 were noted.

c. Review of Records

The NRC inspector reviewed the weld history documents for the following completed Class 1 welds.

<u>Weld</u>	<u>Traveler No.</u>	<u>System</u>
FW-4R2	Q1-SI-IC-20	Safety Injection
FW-6R2	Q1-SI-IC-20	Safety Injection
FW-1RW2	Q1-RC-IC-673	Reactor Coolant
FW-3	Q1-RC-IC-673	Reactor Coolant
FW-2	Q1-RC-IC-674	Reactor Coolant
FW-3	Q1-RC-IC-674	Reactor Coolant
FW-1	Q1-RC-IC-902	Reactor Coolant
FW-2	Q1-RC-IC-902	Reactor Coolant
FW-2	Q1-RC-LW3-RC-37	Reactor Coolant
FW-3	Q1-RC-LW3-RC-37	Reactor Coolant
FW-4	Q1-RC-LW3-RC-37	Reactor Coolant

In addition to reviewing the nondestructive examination reports for the above welds, the NRC inspector reviewed 23 radiographs associated with acceptance of welds FW-2 and FW-3 of Traveler Q1-RC-IC-674 and welds FW-1 and FW-2 of Traveler Q1-RC-IC-902. In the areas inspected, no discrepancies from the requirements of ASME B&PV Code, Sections III and V, for radiographic film and weld quality were noted.

During review of the weld history for weld FW-2 of Traveler Q1-RC-IC-902, the NRC inspector noted that a Hold Point" had been established for interpass temperature inspection which was marked "N/A" in the QC acceptance sign-off column. This matter was discussed with TB QA management, who immediately initiated Discrepancy Notice W-4253. This item is considered unresolved pending resolution of the discrepancy notice. (8221-01)

No violations or deviations were identified.

5. Unresolved Items

Unresolved items are matters about which more information is required in order to ascertain whether they are acceptable items, violations, or deviations. An unresolved item related to releasing inspection hold points is discussed in paragraph 4.

6. Exit Interview

The NRC inspector met with licensee representatives (denoted in paragraph 1) and L. Constable (NRC Senior Resident Inspector) on September 24, 1982, and summarized the purpose and findings of the inspection.