

FEB 16 1984

MEMORANDUM FOR: John T. Collins, Regional Administrator

THRU: Richard P. Denise, Director, Division of Resident,
Reactor Project and Engineering Programs

FROM: E. H. Johnson, Chief, Reactor Project Branch 1

SUBJECT: REPORT OF MEETING BETWEEN LOUISIANA POWER AND LIGHT COMPANY
OFFICIALS AND NRC STAFF ON FEBRUARY 1, 1984
(DN: 50-382)

A public meeting was held on February 1, 1984, with Louisiana Power and Light Company (LP&L) officials and NRC staff in the Region IV office.

The meeting was opened at 1:00 p.m. by Mr. John T. Collins, Regional Administrator, Region IV, who indicated that the meeting had been arranged at the request of LP&L. A list of participants is included as Attachment 1. Mr. Collins indicated that since the meeting was a public one, copies of all material presented at the meeting would be placed in the Public Document Room, along with a brief summary of the meeting.

Mr. Cain, president of LP&L, stated that the meeting had been requested to permit LP&L to inform the NRC as to the steps that had been taken to assure that the plant would be ready for fuel load in accordance with the LP&L schedule.

Mr. Barkhurst reported on the startup status, indicating that 93% of testing required for fuel load had been completed, and 85% of the test results had been reviewed and accepted by the Joint Test Group. He also indicated that the Technical Specifications were nearly 100% complete and surveillance procedures to support them were about 85% written and approved. These procedures were being walked through as a final check. Mr. Barkhurst also presented information on the commercial nuclear experience of the plant staff.

Mr. Cook presented the status of licensing actions and the correct schedule for resolution. He indicated that there were no currently identified items which would impact on the projected fuel load date.

Mr. Gerrets made a presentation on LP&L's review of articles from a local periodical that raised questions of quality. He indicated that LP&L had addressed each of the areas raised in these articles and presented a summary of their preliminary findings.

RPB1 *EHJ*
EHJohnson:jc
2/10/84

RPB2 *JEG*
JEGaglaro
2/13/84

DRRP&EP *RPD*
RPDenise
2/13/84

D/RA *PS*
PScheck
2/14/84

RA/RIV *JTC*
JTCollins
2/14/84

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John T. Collins

-2-

A copy of the viewgraphs used in the above presentation is contained as Attachment 2.

The meeting completed at 4:45 p.m.

E.H. Johnson

E. H. Johnson, Chief
Reactor Project Branch 1

Attachments:
As stated

cc w/attachments:
R. C. DeYoung, D/IE
G. H. Cunningham, ELD
R. F. Heishman, IE
M. Peranich, IE
P. S. Check, RIV
J. E. Gagliardo, RIV
W. L. Brown, RIV
R. L. Bangart, RIV
G. L. Constable, SRI
T. F. Westerman, RIV
Service List
PDR

WATERFORD-3

cc: W. Malcolm Stevenson, Esq.
Monroe & Lemann
1423 Whitney Building
New Orleans, LA 70130

Mr. E. Blake
Shaw, Pittman, Potts & Trowbridge
1800 M Street, NW
Washington, D.C. 20036

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Louisiana Power & Light Company
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Mr. D. B. Lester
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535 North 6th Street
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Resident Inspector/Waterford NPS
P. O. Box 822
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New Orleans, LA 70161

John T. Collins
Regional Administrator, RIV
U.S. Nuclear Regulatory Comm.
611 Ryan Plaza, Suite 1000
Arlington, TX 76011

ATTACHMENT 1

List of Meeting Attendees

NRC

J. T. Collins, Regional Administrator, RIV
R. C. DeYoung, Director, Office of Inspection & Enforcement
G. H. Cunningham, Executive Legal Director
P. S. Check, Deputy Regional Administrator, RIV
R. P. Denise, Director, Division of Resident, Reactor Project & Engineering Programs, RIV
J. E. Gagliardo, Acting Chief, Reactor Project Branch 2, RIV
W. L. Brown, Regional Counsel, RIV
R. L. Bangart, Director, Division of Technical Programs, RIV
E. H. Johnson, Chief, Reactor Project Branch 1, RIV
R. F. Heishman, Office of Inspection & Enforcement
M. Peranich, Office of Inspection & Enforcement
T. F. Westerman, Enforcement Officer, RIV

LP&L

J. M. Cain, President
R. S. Leddick, Senior Vice President - Nuclear Operations
R. P. Barkhurst, Plant Manager, Waterford 3 Steam Electric Station
T. F. Gerrets, QA Manager
K. W. Cook, Licensing Manager
E. L. Blake, Shaw, Potts, Pitman and Trowbridge - Counsel to LP&L

STARTUP STATUS

The overall startup priority 1 & 2 test effort is 93% complete, with 85% of the test results approved by JTG. This breaks down as follows:

SFG	96.2%	Approved by JTG
SPO	70%	Approved by JTG
SIT	60%	Approved by JTG

- There are presently 8 turnover packages left to accept on priority 1 and priority 2 systems. Currently 93% of the turnover packages have been accepted.

- The following priority 1 systems have testing in progress:

36-2 & 3	Component Cooling Water
13A-1	Safety Related Heat Tracing
13A-2	Safety Related Heat Tracing - Boron Systems
21	Fire Detection
39	Diesels
54-1	Post Accident Sampling
50D	Qualified Safety Parameter Display System

- All priority 1 testing will be complete by 1/20 except:

54-1	Pass
50D	Qualified Safety Parameter Display System
39	Diesels
13A-2	SAFETY RELATED HEAT TRACING - BORON SYSTEMS
21	FIRE DETECTION

- The following priority 2 systems have testing in progress:

40-11	Missile Shield
25	Nitrogen
55B	Liquid Radwaste
77	Blowdown
10	Communications
32	Sump Pump Drainage
46J	Control Room Emergency Breathing Air
15	Plant Computer

- The following priority 2 systems have not started testing:

40-9	RAB Misc. Cranes
40-4	Intake Structure Crane
40-10	SGFP Crane
40-8	Turbine Gantry Crane
13B	Non-Safety Heat Tracing

- All priority 2 testing should be complete prior to February 23, 1984.

SPO - Startup Preoperational Procedure

It is to demonstrate that structures, systems and components will perform as designed through all operational modes, including normal, off-normal and emergency.

SFG - Startup Functional General Test Procedure

It is a pre-requisite test procedure to ensure preparation of components within a system for pre-operational testing.

SFL - Startup Functional Flushing Test Procedure

It is a flushing procedure utilized in conjunction with the SFG to provide verification that the components are ready for pre-operational testing with an SPO.

SIT - Startup Integrated Test Procedure

It will demonstrate that groups of systems will perform as designed through various operational modes, including normal, off-normal and emergency. These procedures will operate the plant as a whole (plant heatup and cooldown during Pre-core Hot Functional Testing) or perform a single specific function (RCS Hydrostatic Test).

01/18/84
RPB

PROGRESS & HARDSPOTS SINCE 12/14/83

● TECHNICAL SPECIFICATIONS

- TECHNICAL SPECIFICATIONS ARE APPROXIMATELY 98% FINALIZED
- REVIEW OF ALL TECHNICAL SPECIFICATION SURVEILLANCE PROCEDURES TO VERIFY COMPLIANCE WITH REQUIREMENTS
- SURVEILLANCE PROCEDURES
 - TOTAL: 337 ASSIGNED
280 APPROVED
134 WALKED THROUGH
 - REQUIRED FOR MODE 6:
139 ASSIGNED
112 APPROVED
55 WALKED THROUGH
 - REVISED ESTIMATED COMPLETION - FEBRUARY 15, 1984

● SYSTEM TRANSFER TO PLANT STAFF

- INITIATION OF "HARDSPOTS LIST"
- CURRENTLY HAVE 84 STATION MODIFICATION PACKAGES (SMPS) ON TRANSFERRED SYSTEMS
- TRANSFER PACKAGE REVIEW BY PLANT STAFF CONTINUES TO SHOW DECREASED TURNAROUND TIME
- SYSTEM TRANSFER STATUS
 - TOTAL SYSTEMS FOR FUEL LOAD 117
 - ACCEPTED TO DATE 77
 - ACCEPTED SINCE 12/14/83 18
 - SYSTEMS UNDER PLANT STAFF REVIEW 22

01/18/84
RPB

PLANT OPERATING MANUAL

PROCEDURES REQUIRED BY FUEL LOAD

<u>DEPARTMENT</u>	<u>REQUIRED/APPROVED</u>	
	<u>DECEMBER</u>	<u>JANUARY</u>
OPERATIONS	232/259	284/278
QUALITY CONTROL	2/2	2/2
EMERGENCY PLANNING	35/35	35/35
HEALTH PHYSICS	19/17	20/19
PLANT ENGINEERING	36/36	36/36
NUCLEAR ENGINEERING	20/20	31/30
CHEMISTRY	23/23	23/23
MECHANICAL MAINTENANCE	16/16	16/16
ELECTRICAL MAINTENANCE	36/35	36/30
I&C MAINTENANCE	321/263	321/276
RADWASTE	13/13	13/13
SECURITY	<u>56/55</u>	<u>56/55</u>
TOTAL	859/774	873/813

WATERFORD-3 PROCEDURES GENERATION PACKAGE STRUCTURE

VOL 1

**INTRODUCTION
TRAINING PLAN**

VOL 2

WRITER'S GUIDE FOR EMERGENCY PROCEDURES

VOL 3

TECHNICAL GUIDELINES

VOL 4

VERIFICATION AND VALIDATION RESULTS

VOL 5

PROCEDURES

**— EMERGENCY ENTRY
— SGTR RECOVERY**

STATUS OF COLD LICENSE OPERATOR TRAINING

GROUP 1

CANDIDATES: 9 RO OPERATORS
2 SRO TRAINING
2 SRO MANAGEMENT
16 SRO OPERATORS



CANDIDATES COMPLETED NRC EXAMS ORAL

- 28 PASSED + 1 FAILURE (SRO)



RESULTS OF NRC WRITTEN

- 8 RO CLEAR PASSES + 1 FAILURE
- 20 SRO CLEAR PASSES



TOTAL 8 RO PASSES + 19 SRO PASSES = 27/29 PASSES

GROUP 2

CANDIDATES: 12 ORIGINAL GROUP + 6 ADDITIONAL + RETAKES (2)
9 RO OPERATIONS
5 SRO OPERATIONS
4 SRO TRAINING
2 SRO STAFF
20 TOTAL IN CLASS



EXAM DATES WERE JANUARY 23 THRU FEBRUARY 2, 1984 (ORAL & WRITTEN)



INTENSIVE REVIEW BEGAN OCTOBER 17, 1983



SENT UP 14 CANDIDATES

5 RO OPERATIONS (1 RETAKE)
5 SRO OPERATIONS (1 RETAKE)
4 SRO TRAINING (3 INSTRUCTOR CERTIFICATION)

MANAGEMENT PERSONNEL EXPERIENCE

NAME	POSITION	YEARS RO EXP.	YEARS SRO EXP.	YEARS STA EXP.	QUALIFICATION STATUS AT FUEL LOAD
K.P. Barkhurst	Plant Manager	-	W - 4	-	Complete Core Damage Mitigation Training
L.F. Storz	Asst. Plt. Mgr.- Ops. & Maint.	W - 2 mos.	W - 8	W - 1	Complete Core Damage Mitigation Training
S.A. Alleman	Asst. Plt. Mgr.- Plt. Technical Services	-	-	-	SRO
C.D. Hayes	Ops. Supt.	CE-1	CE-7	-	SRO
D.F. Packer	Training Mgr.	-	W - 4	-	Complete Core Damage Mitigation Training

W - Westinghouse

CE - Combustion Engineering

OPERATIONS PERSONNEL WITH PREVIOUS SRO/STA EXPERIENCE

NAME	POSITION	YEARS RO EXP.	YEARS SRO EXP.	YEARS STA EXP.	QUALIFICATION STATUS AT FUEL LOAD	REMARKS
G. Davie	Shift Supervisor	W - 4	W - 2		SRO	
J. McCann	Control Room Supv.	-	-	W - 1½	SRO	
F. Pauli	Control Room Supv.	W - 4	W - 5	-	SRO/Plant Cert. at SRO	Participating in 3-mo. SRO Training Program
L. Myers	Asst. to Ops. Supt.	CE-1	CE-3	-	SRO/Plant Cert. at SRO	Participating in 3-mo. SRO Training Program
W. Perks	STA Supt.	BW CE 2	BW-1½	-	SRO/Plant Cert. at SRO	Participating in 3-mo. SRO Training Program

W - Westinghouse

CE - Combustion Engineering

BW - Babcock & Wilcox

OPERATIONS PERSONNEL RO EXPERIENCE

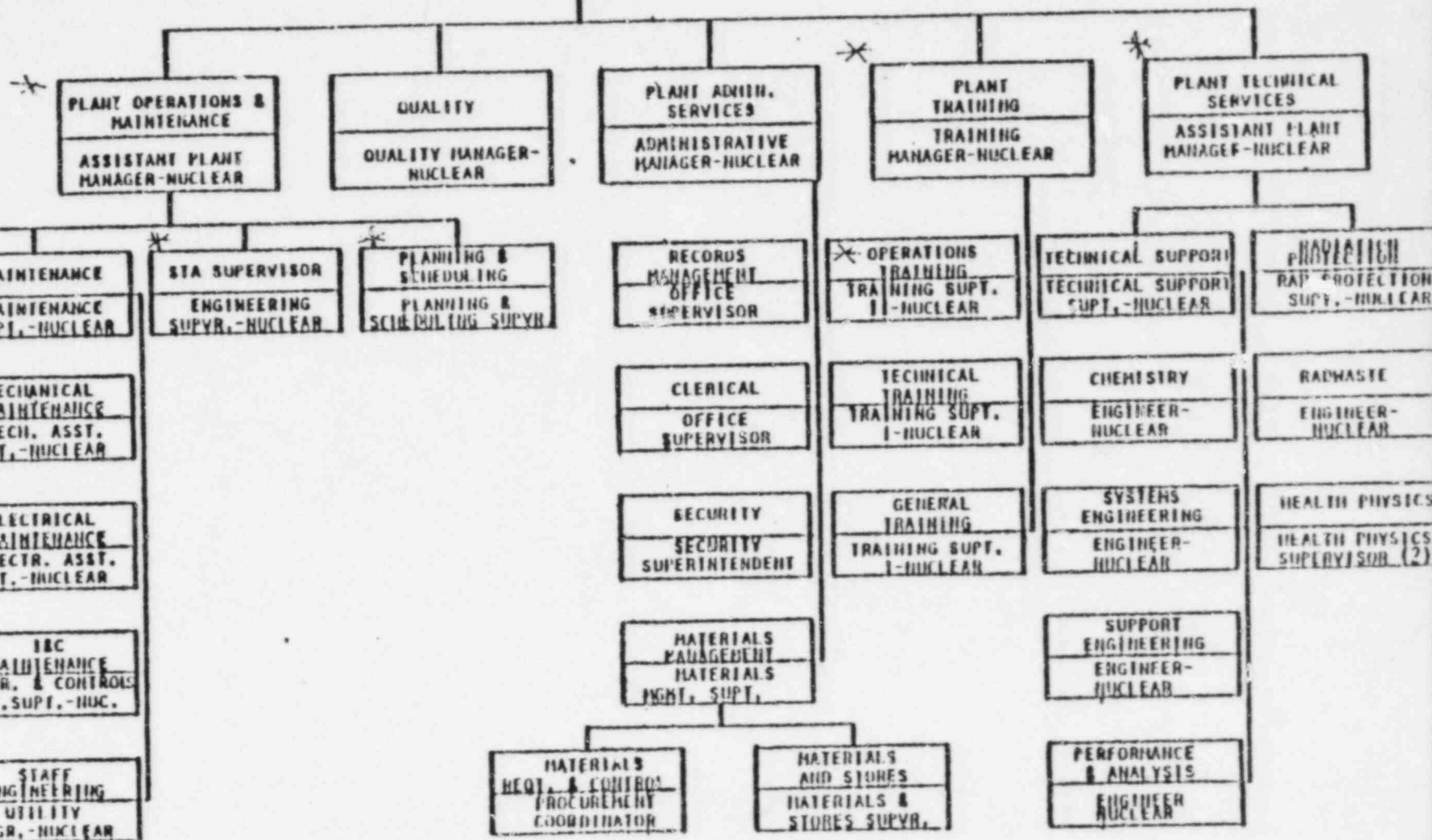
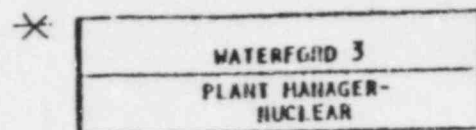
NAME	POSITION	YEARS RO EXP.	QUALIFICATION STATUS AT FUEL LOAD	REMARKS
R. Booher	Control Room Supv.	BW - 8	SRO	Completed NRC SRO Exam, awaiting results
T.E. Brown	Control Room Supv.	W - 14	SRO	Completed NRC SRO Exam, awaiting results
D. Olson	Control Room Supv.	BW - 8	SRO	

W - Westinghouse

BW - Babcock & Wilcox

PLANT STAFF - OPERATIONS DEPARTMENT
STAFF EXPERIENCE

	<u>NUMBER OF</u> <u>OPERATORS</u>	<u>YEARS</u> <u>EXPERIENCE</u>
PREVIOUS COMMERCIAL EXPERIENCE	6	45
PREVIOUS NAVY NUC. EXPERIENCE	58	330
TOTAL OPERATORS	66	

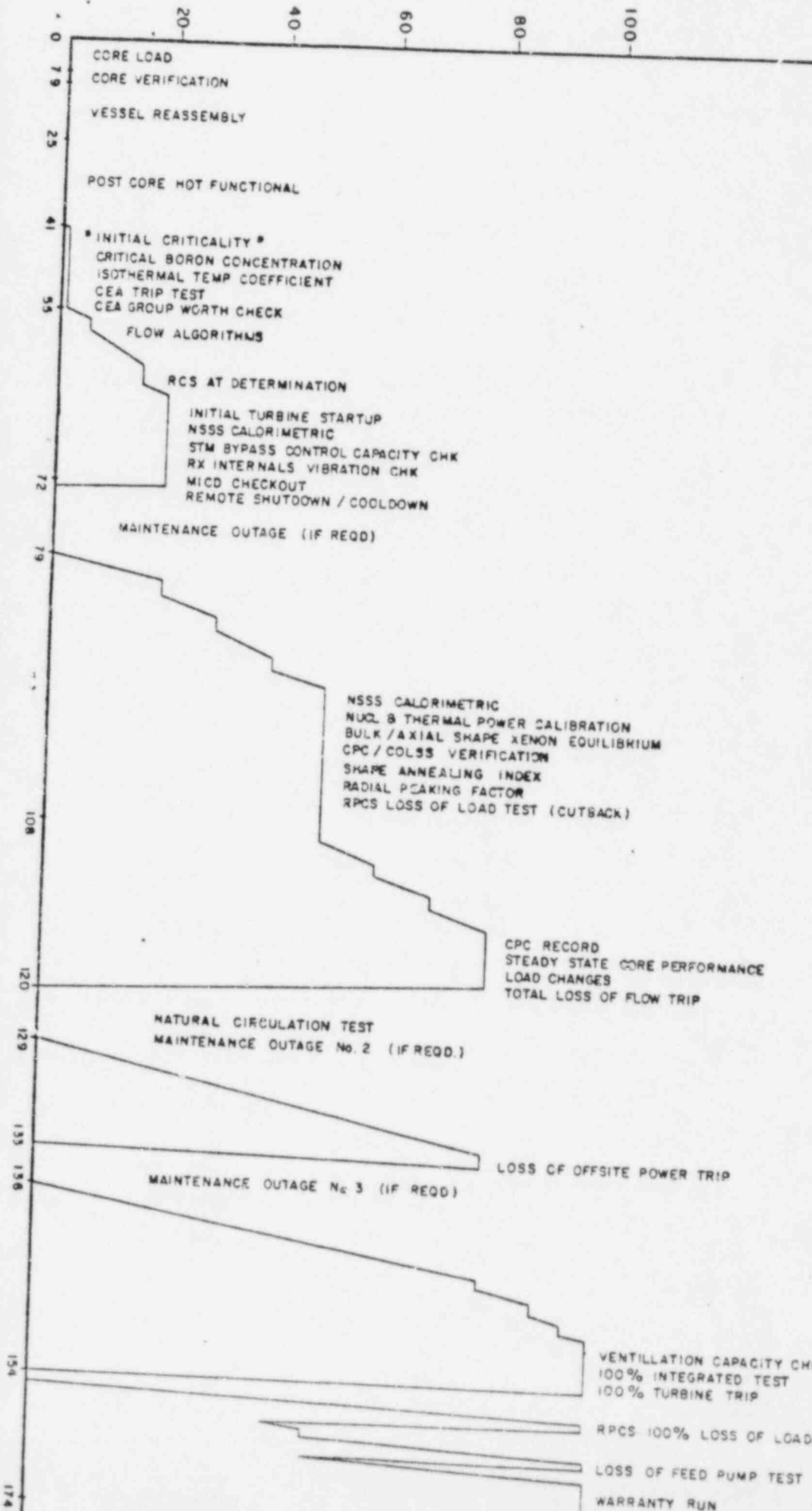


* INDICATES PERSON PRESENTLY FILLING POSITION
IS PREVIOUSLY OR PRESENTLY SRO LICENSED

PERCENT POWER

DAYS

WATERFORD III STARTUP



GENERAL LICENSING

NRR ISSUES TO BE RESOLVED PRIOR TO F.L. 14

GENERAL COMMITMENTS TO BE CLOSED PRIOR TO F.L. 186

BULLETINS, CIRCULARS, NOTICES & GENERIC LETTERS

MAJOR NRR LICENSING ISSUES TO BE
RESOLVED PRIOR TO FUEL LOAD

ISSUE	SUBMITTAL DATE
1. ENVIRONMENTAL QUALIFICATION	
- COMPARISON OF ROSEMOUNT TRANSMITTERS	2/15/84
- LIST OF MECHANICAL EQUIPMENT	NRC ACTION
2. SEISMIC QUALIFICATION	
- DESCRIPTION OF SURVEILLANCE AND MAINTENANCE TESTING PROGRAM TO BE SUBMITTED IN LIEU OF PRE-TEST AGING	2/10/84
3. INDEMNITY REQUIREMENT	
- ANI TO INFORM THE NRC THAT PRIMARY COVERAGE IS IN EFFECT	2 WEEKS PRIOR TO FUEL LOAD
4. FSAR CHAPTER 13	
- LP&L LETTER RESPONDING TO SER LICENSEE QUALIFICATION CONCERNS	2/15/84
5. EMERGENCY OPERATING PROCEDURES	
- PROCEDURES GENERATION PACKAGE FOR EOPS	NRC ACTION
6. EFS CONTROL	
- ADDITIONAL INFORMATION REQUESTED TO ADDRESS ADDITIONAL CONCERNS	2/17/84
7. UPDATE HAZARDOUS MATERIALS SURVEY	
- RESULTS OF THE RESURVEY OF NEARBY INDUSTRIES STORING OR TRANSPORTING HAZARDOUS MATERIALS	TBD

ISSUE

SUBMITTAL
DATE

8. FIRE PROTECTION

- RESULTS OF COMPARISON OF THE FSAR WITH APPENDIX R
- IN CONTAINMENT
- OUTSIDE CONTAINMENT

2/3/84
2/15/84

9. IEB 79-27

- RESULTS OF THE STUDY TO IDENTIFY PROCEDURAL REVISIONS NECESSARY TO ADDRESS LOSS OF NONSAFETY BUSES

2/17/84

10. LEAK RATE TESTING

- PROGRAM DESCRIPTION
- TEST RESULTS

NRC ACTION
INITIAL CRITICALITY

11. SPDS SAFETY ANALYSIS

- RESULTS OF SAFETY ANALYSIS REQUIRED OF NUREG-0737 SUPPLEMENT 1

2/15/84

12. PSI RELIEF REQUESTS

- SUBMITTAL OF FINAL RELIEF REQUESTS

2/15/84

13. EMERGENCY PLANNING

- DRILL FOR SCORE

2/8/84

14. ATWS

- GL 83-28
- FINAL RULE

TO BE NEGOTIATED
WITH THE NRR LPM
TBD

LICENSING COMMITMENTS

	<u>COMMIT</u> (LICENSING COMMITMENTS)	<u>ACTION</u> (BULLETINS, CIRCULARS, NOTICES, GENERIC LETTERS, BOARD NOTIFICATIONS)	<u>SCD</u> (10CFR50.55(E) REPORTS)	<u>INSP</u> (NRC INSPECTION REPORTS)	TOTAL
NUMBER OF ITEMS IDENTIFIED TO DATE	780	913	148	543	2384
NUMBER OF ITEMS ARCHIVED TO DATE (CLOSED)	572	704	126	502	1904
NUMBER OF OPEN ITEMS CONSIDERED CRITICAL TO AN OPERATING LICENSE	128	2	17	39	186

BULLETINS, CIRCULARS, NOTICES AND GENERIC LETTERS

	BULLETINS	CIRCULARS	INFORMATION NOTICES	GENERIC LETTERS
CLOSED	90	88	132	144
OPEN	18	18	134	12
OUT FOR REVIEW	18	18	41	12
TOTAL	108	106	266	156

BULLETINS, CIRCULARS, NOTICES AND GENERIC LETTERS

- THE LP&L NUCLEAR SERVICES GROUP HAS ESTABLISHED A PROCEDURE PROVIDING SPECIFIC INSTRUCTIONS TO THE LICENSING SUBGROUP PERSONNEL WHO ARE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF IE BULLETINS, IE CIRCULARS, IE INFORMATION NOTICES AND NRR GENERIC LETTERS. IN EACH CASE, THE APPROPRIATE LICENSING SUBGROUP UNIT COORDINATOR ASSIGNS RESPONSIBILITY TO A LICENSING ENGINEER FOR THE REVIEW, ACTION TRACKING AND REVIEW DOCUMENTATION OF A PARTICULAR FILE. WHEN REQUIRED, THE ASSIGNED LICENSING ENGINEER WILL DRAFT A RESPONSE TO THE NRC WHICH WILL BE REVIEWED BY APPROPRIATE PERSONNEL WITHIN LP&L. A PERMANENT RECORD OF ACTIONS TAKEN FOR EACH FILE ADDRESSED IS MAINTAINED FOR NRC REVIEW.
- TO DATE, 108 IE BULLETINS HAVE BEEN RECEIVED BY LP&L. OF THE 53 APPLICABLE IE BULLETINS (35 COMPLETE/18 IN PROGRESS), 17 REQUIRED A RESPONSE TO THE NRC AND 15 HAVE BEEN RESPONDED TO (IEB 83-07 AND IEB 83-08 REMAINING). OF THE 55 IE BULLETINS NOT APPLICABLE (55 COMPLETE/0 IN PROGRESS), 24 REQUIRED A RESPONSE TO THE NRC AND 24 HAVE BEEN RESPONDED TO.
- TO DATE, 106 IE CIRCULARS HAVE BEEN RECEIVED BY LP&L. OF THE 57 APPLICABLE IE CIRCULARS (39 COMPLETE/18 IN PROGRESS), 1 REQUIRED A RESPONSE TO THE NRC AND 1 HAS BEEN RESPONDED TO. OF THE 49 IE CIRCULARS NOT APPLICABLE (49 COMPLETE/0 IN PROGRESS), 3 REQUIRED A RESPONSE TO THE NRC AND 3 HAVE BEEN RESPONDED TO.

- TO DATE, 266 IE INFORMATION NOTICES HAVE BEEN RECEIVED BY LP&L. OF THE 168 APPLICABLE IE INFORMATION NOTICES (34 COMPLETE/134 IN PROGRESS), NONE REQUIRED A RESPONSE TO THE NRC. (FURTHER REVIEW OF THE 134 IE INFORMATION NOTICES IN PROGRESS MAY REVEAL ADDITIONAL FILES WHICH ARE NOT APPLICABLE.) OF THE 98 IE INFORMATION NOTICES NOT APPLICABLE (98 COMPLETE/0 IN PROGRESS), NONE REQUIRED A RESPONSE TO THE NRC.
- TO DATE, 156 NRR GENERIC LETTERS HAVE BEEN RECEIVED BY LP&L. OF THE 125 APPLICABLE NRR GENERIC LETTERS (113 COMPLETE/12 IN PROGRESS), 13 REQUIRED A RESPONSE TO THE NRC AND 13 HAVE BEEN RESPONDED TO. OF THE 31 NRR GENERIC LETTERS NOT APPLICABLE (31 COMPLETE/0 IN PROGRESS), NONE REQUIRED A RESPONSE TO THE NRC.

TFG
01/31/84

LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3 SES

ITEM - JOE DAVIS LETTER - DECEMBER 9, 1982 - RECOMMENDS
COMPREHENSIVE REVIEW OF CIVIL/STRUCTURAL DOCUMENTATION

RESPONSE - JOE DAVIS FOLLOW-UP LETTER - DECEMBER 22, 1983

"IN SUMMARY, MY REVIEWS OF NONCONFORMANCE REPORTS
AND RELATED CORRESPONDENCE INDICATES THAT ITEMS
ADDRESSED IN MEMORANDUM DATED DECEMBER 9, 1982
HAVE BEEN ADEQUATELY ADDRESSED AND/OR ARE BEING
CORRECTED IN ACCORDANCE WITH EBASCO'S PROGRAM.

TFG
01/31/84

LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3 SES

ITEM - JULY 7, 1983 MEETING - RECOMMENDS ALL CONCRETE PLACEMENT PACKAGES BE REVIEWED, ALSO RECOMMENDS REVIEW OF SOILS PACKAGES.

CONCRETE

- RESPONSE - JULY 11, 1983 - LP&L MEETS WITH EBASCO - DECISION MADE TO REVIEW ALL CONCRETE PLACEMENT RECORDS
- AUGUST, 1983 - REVIEW OF CONCRETE PLACEMENT PACKAGES BEGINS
 - REVIEW IS 95% COMPLETE AT THIS TIME
 - NCR'S HAVE BEEN WRITTEN

BACKFILL

- BACKFILL RECORDS HAVE BEEN PREVIOUSLY REVIEWED BY EBASCO QA
 - RECORDS WERE REVIEWED TO:
 1. ASSURE COMPLETENESS OF RECORDS
 2. VERIFY EXISTENCE OF REQUIRED RECORDS
 3. VERIFY RECORDS PROPERLY ORGANIZED BY:
 - A. ELEVATION
 - B. FILL NO. (7 FILLS)
 4. APPROXIMATELY 50% SAMPLE REVIEWED FOR TECHNICAL ADEQUACY
 - A. DENSITY TESTS
 - B. PARTICLE SIZE ANALYSIS
 - C. PROCTOR TESTS (MAXIMUM DENSITY DETERMINATION)
 - DUAL INSPECTION EFFORT BY J.A. JONES AND EBASCO
 - NO NCR'S WERE IDENTIFIED
- LP&L QA
- LP&L QA CURRENTLY REVIEWING CONCRETE AND BACKFILL RECORDS

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LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3 SES

ITEM - HARSTEAD WAS NOT AWARE OF DEFICIENCIES - MIGHT HAVE ARRIVED
AT DIFFERENT CONCLUSION.

RESPONSE - HARSTEAD WAS GIVEN COPIES OF SCDs RELATED TO THE MAT
- FILES WERE AVAILABLE FOR REVIEW BY HARSTEAD
- HARSTEAD SUBSEQUENTLY HAS REVIEWED ALL BASEMAT PLACEMENTS
AND RELATED DOCUMENTATION
- JANUARY 9, 1984 HARSTEAD REPORT - EARLIER CONCLUSIONS
REMAIN UNCHANGED.

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01/31/84

LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3 SES

ITEM - DEFICIENCIES NOT REPORTED TO NRC

- RESPONSE - DEFICIENCIES WERE IDENTIFIED ON NCR'S
- NCR'S WERE REVIEWED FOR REPORTABILITY IN ACCORDANCE WITH APPROVED WRITTEN PROCEDURES
 - LP&L CONSTRUCTION QA REVIEWS NCR'S
 - THOSE THAT APPEAR TO BE SIGNIFICANT ARE GIVEN ADDITIONAL ATTENTION
 - LP&L RECENTLY CONDUCTED AUDIT OF APPROXIMATELY 1100 NCR'S (1976 - 1984)
 - AUDIT IDENTIFIED A FEW NCR'S THAT NEED FURTHER REVIEW

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01/31/84

LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3 SES

ITEM - INSPECTORS NOT CERTIFIED (J.A. JONES)

RESPONSE - REVIEW OF NCRs AND INSPECTOR QUALIFICATION FILES
INDICATES NO SIGNIFICANT PROBLEMS WITH CERTIFICATION OF
INSPECTORS

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01/31/84

LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3 SES

ITEM - NOTICEABLY DIFFERENT SIGNATURES ON INSPECTION/TEST REPORTS

RESPONSE - CASE ONE INVOLVES 5 INSPECTOR'S INITIALS AND 13 PAGES OF DAILY CADWELD INSPECTION REPORTS

- CASE ONE DISPOSITION:

RESULTS - 4 PAGES SIGNATURES/INITIALS ARE AUTHENTIC

- 4 PAGES SIGNATURES/INITIALS ARE POSSIBLY AUTHENTIC

- 5 PAGES SIGNATURES/INITIALS APPARENTLY NOT THOSE OF THE INSPECTORS

- REGENERATED DOCUMENT DUE TO DAMAGE TO ORIGINAL

- INSPECTORS WORKED AS TEAM

- ONE INSPECTED

- ONE RECORDED

- BACKUP DOCUMENTATION IS AVAILABLE

- WHERE QUESTIONABLE INITIALS EXIST, AUTHENTIC SIGNATURE OF INVOLVED INSPECTOR APPEARS ON CADWELD MAP,

- SURVEILLANCE INSPECTIONS BY EBASCO

- J.A. JONES PREPLACEMENT INSPECTION

- EBASCO PREPLACEMENT INSPECTION

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01/31/84

LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3 SES

ITEM - NOTICEABLY DIFFERENT SIGNATURES ON INSPECTION/TEST REPORTS

RESPONSE - CASE TWO INVOLVES 88 DUPLICATE CADWELD TENSILE REPORTS

- CASE TWO DISPOSITION:
 - TESTING LAB PROJECT MANAGER REVIEWED DOCUMENTS ON SITE
 - CERTIFIED ORIGINAL DOCUMENTS
 - TENSILE TEST DATA ON ORIGINAL AND DUPLICATE DOCUMENTS ARE IDENTICAL

TFG
01/31/84

LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3 SES

- ESTABLISHED HOTLINE - POSTERS THROUGHOUT SITE
 - INSERTS IN ALL SITE PAYROLL CHECKS
 - NO CALLS AS OF THIS DATE
- CONDUCTED INTERVIEWS OF OVER 400 QC/QA PERSONNEL
 - RESULTS
 - (83%) IDENTIFIED NO CONCERNS
 - (5%) IDENTIFIED MINOR CONCERNS
 - (13%) IDENTIFIED CONCERNS WHICH WILL TAKE SOME INVESTIGATION TO ADDRESS.
 - (7%) CHOSE TO REMAIN ANONYMOUS

TFG
01/31/84

LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3 SES

ITEM - SYSTEMATIC PROGRAM TO "DOCTOR" OR "LAUNDER" QA RECORDS

RESPONSE - RECORDS ARE BEING REVIEWED AND CORRECTED IN ACCORDANCE
WITH APPROVED PROCEDURES.

- NCR'S ARE WRITTEN TO DOCUMENT DEFICIENCIES

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01/31/84

LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3 SES

ITEM - RECORDS WERE CHANGED WITHOUT REINSPECTION. DRAWINGS WERE
CHANGED TO REFLECT "AS IS" INSTALLATION.

RESPONSE - ^{NOT} ALL DOCUMENTATION DEFICIENCIES ~~DO NOT~~ REQUIRE REINSPEC-
TION

- SOME DOCUMENTATION DEFICIENCIES DO REQUIRE REINSPECTION
- "AS IS" COMMONLY CALLED AN "AS-BUILT"
- AS-BUILTS ARE REVIEWED BY ENGINEERING PERSONNEL FOR
ACCEPTABILITY

TFG
01/31/84

LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3 SES

ITEM - INSPECTOR QUALIFICATIONS FOR SIX CONTRACTORS IN QUESTION,
MERCURY & T-B IDENTIFIED.

RESPONSE - MERCURY - HAS BEEN AUDITED BY LP&L AND NRC SEVERAL
TIMES. NO SIGNIFICANT PROBLEMS IDENTIFIED

- IN THE PROCESS OF OBTAINING RECORDS FROM
MERCURY

- COMPLICATED BY LAWSUIT

- T-B - NO KNOWN PROBLEMS

LP&L QA

- AUDITING OTHER CONTRACTOR'S INSPECTOR QUALIFICATIONS

- NO SIGNIFICANT PROBLEMS IDENTIFIED

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01/31/84

LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3 SES

ITEM - SERIOUS PROBLEMS IN WELDING AND BOLTING OF STRUCTURAL STEEL

RESPONSE - REPORTED TO NRC ON TWO OCCASIONS

- SCD #73 (4-11-83), "A-D RCB STRUCTURAL STEEL WELDING DEFICIENCIES"
- SCD #78 (4-28-83), "A-B STRUCTURAL STEEL DEFICIENCIES"
- CORRECTIVE ACTION
 - FINAL REPORT TO NRC SCHEDULED FOR MARCH 9, 1984

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LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3 SES

ITEM - NONCONFORMANCE REPORTS CLOSED WITHOUT SUBSTANTIATING
EVIDENCE

RESPONSE - LP&L CONSTRUCTION QA REVIEWS NCR'S ON A REGULAR BASIS

- EBASCO CONDUCTING AUDIT TO RECHECK NCR'S FOR PROPER CLOSURE,
- LP&L QA IS MONITORING EBASCO'S AUDIT

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LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3 SES

ITEM - INTIMIDATION OF QA/QC PERSONNEL

RESPONSE - NOT TOLERATED

- CONSTRUCTION PERSON FIRED IN ONE CASE
- NO EVIDENCE OF INTIMIDATION FROM THE RECENT INTERVIEWS
OF ALL ONSITE QA/QC PERSONNEL

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LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3 SES

ITEM - NONCONFORMING CONDITIONS IN MERCURY, T-B, F&M HANGERS

RESPONSE - TOMPKINS-BECKWITH

- SCD #60, (7-1-82) "TURNOVER DOCUMENTATION & INADEQUATE HANGER WELDS"
- FINAL REPORT TO NRC SCHEDULED FOR MARCH 16, 1984.
- HANGERS ONLY
- PIPING ACCEPTABLE

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LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3 SES

ITEM - MATERIAL TRACEABILITY PROBLEMS

- RESPONSE - HAVE HAD SOME TRACEABILITY PROBLEMS
- THESE PROBLEMS HAVE BEEN DOCUMENTED ON NCR'S
 - FOR ASME CODE ITEMS, THE DISPOSITION MUST BE ACCEPTED BY AN ASME THIRD PARTY INSPECTOR (ANI)
 - ^{SAFETY RELATED} ALL MATERIAL ON THE JOB IS CERTIFIED MATERIAL
 - IF MATERIAL IS DEFECTIVE, IT IS REMOVED

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LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3 SES

ITEM - AT THE OUTSET LP&L WAS SINCERE, LATER WHEN PROBLEMS WERE
FOUND THEY WANTED TO IGNORE THEM.

RESPONSE - NOT TRUE - IF ANYTHING, LP&L QA HAS GOTTEN TOUGHER AS
TIME HAS GONE ON.

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LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3 SES

ITEM - MERCURY - SCD #57 PROBLEMS

RESPONSE - TUBING

1. AS-BUILT DRAWING DID NOT REFLECT THE INSTALLED FIELD CONDITIONS.
2. INSTALLED CONDITIONS WERE NOT PER THE SPECIFICATION REQUIREMENTS & NOT IDENTIFIED:
 - A. IMPROPER SLOPE
 - B. BOUND-UP TUBING RUNS WHICH WOULD NOT ALLOW PROPER THERMAL EXPANSION
 - C. DAMAGED TUBING - KINKS, SCRATCHES, ARC STRIKES.

- SUPPORTS

1. AS-BUILT SUPPORT TYPES ON DRAWINGS, DOCUMENTATION, & IN THE FIELD DID NOT MATCH.
2. WRONG SUPPORT USED IN INSTALLATION.
3. SUPPORTS - BOLTING & EXPANSION ANCHOR INSTALLATIONS.

- CORRECTIVE ACTION

FINAL REPORT TO NRC SCHEDULED 02/15/84.

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01/31/84

LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3

ITEM - TOMPKINS - BECKWITH - SCD #60 PROBLEMS

RESPONSE - HANGER DOCUMENTATION

1. AS-BUILT HANGER DRAWINGS (RED-LINED) DID NOT IDENTIFY ALL WELD SYMBOLS ON THE DRAWING.
2. WELD INSPECTION RECORDS WERE INCOMPLETE.
3. WELD INSPECTION SIGNATURES WERE OUT OF DATE SEQUENCE. (FIT-UPS SIGNED OFF AFTER FINAL VISUAL WAS PERFORMED)

- HANGER WALKDOWN

1. AS-BUILT HANGER DRAWINGS (RED-LINED) DID NOT MATCH FIELD INSTALLATION
 - A) WELDS DID NOT MEET AWS D1.1 REQUIREMENTS
 - 1) COLD LAP
 - 2) UNDERCUT
 - 3) UNDERSIZE
 - 4) SPATTER
 - B) MISSING WELDS
 - C) ORIENTATION OF HANGER 90° DIFFERENT THAN AS-BUILT

- CORRECTIVE ACTION

FINAL REPORT TO NRC SCHEDULED 03/16/84.

TFG
01/31/84

LOUISIANA POWER & LIGHT COMPANY
WATERFORD 3 SES

ITEM - FALSIFIED RECORDS

RESPONSE - THE ONLY DOCUMENTED CASE OF POSSIBLE FALSIFIED RECORDS
WAS IDENTIFIED ON AN EBASCO NCR.

- HEAT NUMBER (MERCURY)