

APPENDIX

U. S. NUCLEAR REGULATORY COMMISSION  
REGION IV

Report: 50-382/82-26

Construction Permit: CPPR-103

Docket: 50-382

Licensee: Louisiana Power and Light Company (LP&L)  
142 Delaronde Street  
New Orleans, Louisiana 70174

Facility: Waterford Steam Electric Station (WSES), Unit 3  
Taft, Louisiana

Inspection At: Waterford Site (Taft, Louisiana) and General Office  
(Gretna, Louisiana)

Inspection Conducted: October 18-20, 1982

Inspector: *Lorenzo Wilborn*  
Lorenzo Wilborn, Radiation Specialist

12/1/82  
Date

Approved: *Blaine Murray*  
Blaine Murray, Chief, Facilities Radiation  
Protection Section

12/1/82  
Date

Inspection Summary

Inspection on October 18-20, 1982 (Report: 50-382/82-26)

Areas Inspected: Announced, routine preoperational inspection of the licensee's environmental protection program conducted during construction and for the operational phase including: organization and administration; training and qualifications; audits; radiological environmental monitoring; nonradiological environmental monitoring; special studies; procedures, facilities and equipment; and a tour of several environmental media monitoring stations. The inspection involved 36 hours by one NRC inspector and the Chief, Facilities Radiation Protection Section.

Results: No violations or deviations were identified. Six open items are discussed in paragraph 4.

DETAILS1. Persons Contacted

- \*F. J. Drummond, Project Support Manager - Nuclear
- \*K. R. Iyengar, Technical Services Supervisor - Nuclear
- \*R. Prados, Licensing Supervisor - Nuclear
- \*C. D. Groome, Associate Engineer I - Licensing
- \*M. A. Borter, Technical Services Engineering Technician
- D. Espenan, Environmental and Effluents Supervisor
- Z. Sabri, Ph.D., Director, Nuclear Training
- C. J. Toth, Manager, Nuclear Training
- W. M. Morgan, Operations Quality Assurance Engineer
- A. Roberts, Quality Assurance Associate Engineer I
- S. Hoyt, Startup Engineer, Instrument and Control

\*Denotes those present during the exit interview.

2. Scope of Inspection

The purpose of this inspection was to assure that the licensee's preoperational environmental monitoring program had been implemented; assure compliance with the construction permit requirements and licensee commitments; and review the proposed operational environmental monitoring program.

3. Licensee Action on Previous Inspection Findings

(Closed) Open Item (382/7912-01): Sanitary Treatment System - This item was discussed in NRC Inspection Report 50-382/79-12 and involved the licensee not having an established program to evaluate and analyze the treated sewage and not having implemented a procedure to insure that the sewage had been properly treated before going into drainage ditches. The licensee has satisfactorily treated sanitary wastes as required by a NPDES permit that was granted the licensee shortly after the previous NRC environmental inspection. This item is considered closed.

(Closed) Open Item (382/7912-02): Continuous Water Quality - This item was discussed in NRC Inspection Report 50-382/79-12 and involved damage to the West Bank Station in the Mississippi River at the intake of Waterford Unit 3 in March 1979 which resulted in the licensee not continuously collecting pH, conductivity, dissolved oxygen and temperature data during the period March to September 1979. Water quality became a component part of the NPDES permit referred to above; therefore, the NRC made the decision that the continuous water quality monitoring required in the FSAR should no longer be necessary. The licensee had collected enough data to establish a baseline. This item is considered closed.

(Closed) Open Item (382/7912-03): Analytical Results - This item was discussed in NRC Inspection Report 50-382/79-12 and involved analytical results that could not be interpreted without additional guidance or information, specifically, a result for potassium - 40 was reported as minus 70 plus or minus 50. In a letter to the licensee from the analytical contractor dated November 18, 1979, the contractor contended that the analytical data were being reported in a standard format as obtained regardless of sign or error, thus, permitting meaningful calculation of means for comparison of data and avoids the variable handling of data reported as "less than." This item is considered closed.

(Closed) Open Item (382/7912-04): Environmental TLD Response - This item was discussed in NRC Inspection Report 50-382/79-12 and involved environmental TLD's housed in electrical junction boxes. The NRC inspectors had concerns in that the licensee had not evaluated what effect the additional shielding had on the TLD response in the lower energy range. Subsequent to the above inspection, the licensee compared the response of the TLD with the response of pressurized ion chambers that had been calibrated relative to a natural background radiation spectrum and placed in the field. The results of the comparison indicated that the TLD housed in electrical junction boxes does not result in an underestimate of the background environmental radiation exposure in that the average TLD response exceeded the ion chamber response by eight percent. This item is considered closed.

#### 4. Open Items Identified During This Inspection

(Open) Open Item (382/8226-01) - Staffing: The licensee had not filled the two vacancies in order to meet the staffing plans for the operational environmental monitoring programs. Additionally, the licensee had not established provisions to designate the individual responsible for collection, preparation, and shipment of environmental media samples during operation of WSES Unit 3. See paragraph 5 for details.

(Open) Open Item (382/8226-02) - Training: The licensee had not: provided guidelines on verification of experience or training of environmental monitoring personnel prior to job assignment; or provided appropriate requalification training for the supervisory staff of the environmental monitoring programs. See paragraph 6 for details.

(Open) Open Item (382/8226-03) - Audits: The licensee had not: developed a comprehensive audit checklist; or established a short-term schedule of quality assurance audits. See paragraph 7 for details.

(Open) Open Item (382/8226-04) - Analytical Contractor: The licensee had not determined who will be the analytical contractor or finalized a contract for the operational radiological environmental surveillance program. See paragraph 8.a. for details.

(Open) Open Item (382/8226-05) - Environmental Monitoring Data: The licensee did not have data available, for studies involving the physical

and chemical parameters of water quality monitoring or ecological parameters, subsequent to 1978. See paragraph 8 for details.

(Open) Open Item (382/8226-06) - Procedures: The licensee had not developed, approved, and implemented procedures to cover all aspects of the operational environmental monitoring program. See paragraph 12 for details.

## 5. Organization and Administration

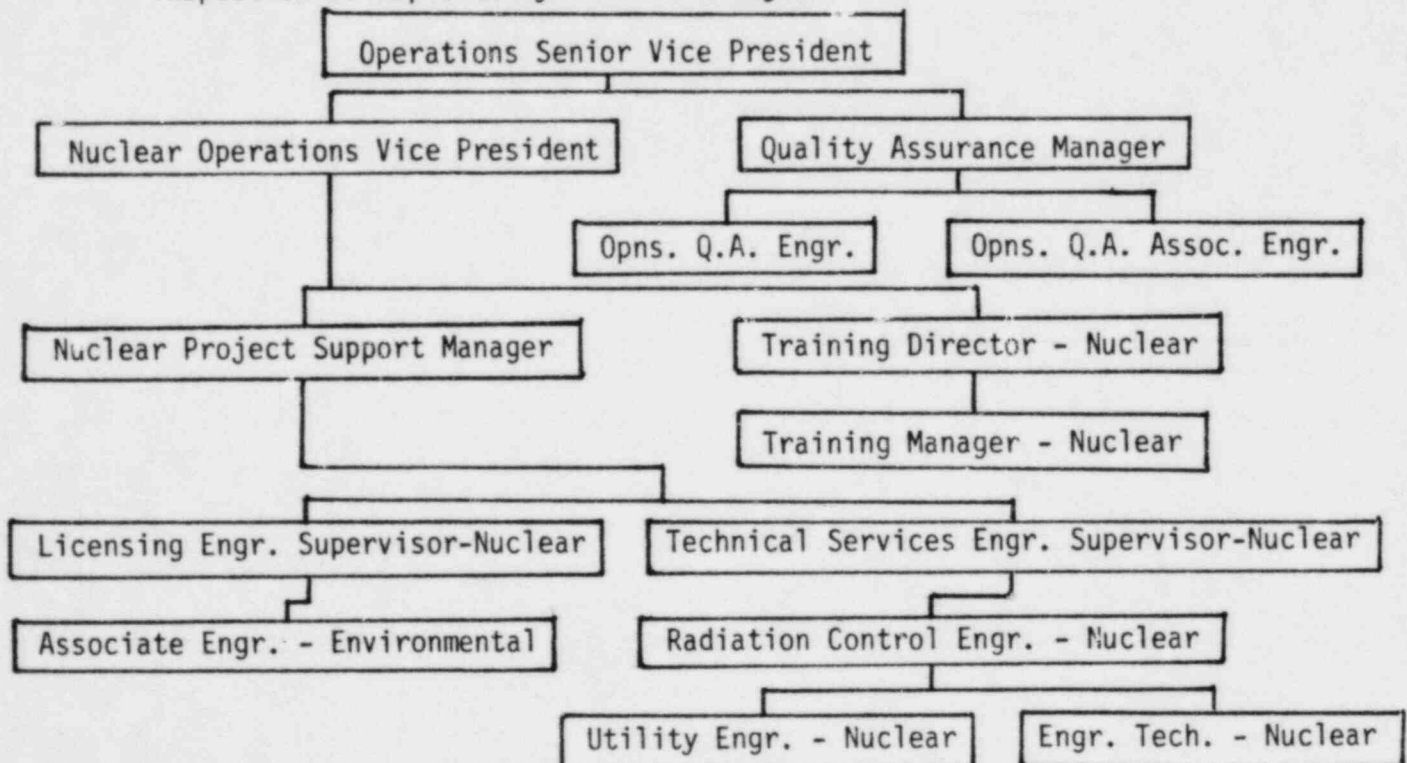
The NRC inspector reviewed the licensee's functional organization and management controls regarding the preoperational and proposed operational environmental monitoring programs to determine compliance with licensee commitments.

### Documents Reviewed

- . FSAR Chapter 13, "Organizational Structure of Applicant."
- . Position Description, "Engineering Supervisor - Nuclear."
- . Position Description, "Radiation Control Engineer - Nuclear."
- . Position Description, "Radiation Control Utility Engineer - Nuclear."
- . Position Description, "Radiation Control Engineering Technician - Nuclear."

### a. Organization

The organizational structure for the WSES preoperational environmental monitoring activities at the time of this inspection is depicted by the following chart:



The preceding chart reflects changes and shows the lines of responsibility currently associated with the preoperational environmental monitoring program.

No violations or deviations were identified.

b. Management Controls

The nuclear project support manager had lead responsibility for the preoperational environmental monitoring programs, whereas Ebasco Services Incorporated personnel had overall responsibility for environmental protection control during the construction phase. The NRC inspector reviewed the position descriptions which reflected current assignment of responsibilities and the qualification criteria for individuals conducting the preoperational environmental program at WSES Unit 3. This review and discussions with LP&L personnel indicated that the qualification criteria for each filled position associated with conducting the preoperational environmental programs had been met.

The staffing for the preoperational environmental monitoring activities appeared to be adequate. Management control in the area of review and oversight of the preoperational environmental monitoring activities also appeared to be adequate.

No violations or deviations were identified.

c. Proposed Organization

The NRC inspector reviewed the organizational staffing plans for the operational environmental monitoring programs. The number of personnel indicated on the staffing charts appears to be sufficient to meet the staffing requirements for routine activities of the operational environmental monitoring programs. The NRC inspector noted that there are two existing vacancies for the positions of utility engineer-nuclear and engineering technician-nuclear that need to be filled to meet the staffing plans.

Discussions revealed that the individual responsible for collection, preparation, and shipment of environmental media samples during operation of WSES is a member of the WSES onsite health physics staff. The NRC inspector noted that no procedures have been established that designate the responsibilities for this individual.

This is considered open (382/8226-01) pending:

- Fulfillment of the staffing plans for the operational environmental monitoring programs.

- . Establishment of procedures that designate the individual responsible for collection, preparation, and shipment of environmental media samples during operation of WSES, Unit 3.

## 6. Training and Qualification

The NRC inspector reviewed the licensee's training program for environmental monitoring personnel to determine compliance with FSAR commitments, 10 CFR 19.12 requirements, and the recommendations of ANSI N18.1-1971 and Regulatory Guides 8.13 and 8.27.

### Documents Reviewed

- . PMD-TR-002, "Program Description for General Employee Training" (Draft), Revision 0, January 15, 1982.
- . PMD-TR-014, "Program Description for Engineering Training," not dated.
- . PMD-TR-021, "Program Description for Health Physics Training," Revision 0, April 22, 1982.
- . LP&L Policy Statement - Nuclear Training Program
- . Waterford 3 Lesson Plan, "Introductory Health Physics - Environmental Monitoring," Revision 0, June 25, 1982.
- . Waterford 3, Lesson Plan, "Junior 1 Health Physics Technician - Collection, Preparation, and Shipment of Environmental Samples," September 30, 1982.
- . Waterford 3, Lesson Plan, "Junior 1 Health Physics Technician - Use of Environmental Survey Instruments," September 30, 1982.
- . Waterford Procedure HP-1-217, "Health Physics Group Training/Qualification" (Draft), not dated.

At the time of this inspection, the Nuclear Training Division had been reorganized to reflect Dr. Zeinab Sabri as Director and Charles J. Toth as Manager. The NRC inspector noted that the LP&L Policy Statement - Nuclear Training Program stipulated: (1) that the overall responsibility for the nuclear training program lies with the Vice President - Nuclear Operations, (2) specific responsibility for overall coordination of the nuclear training program and for development and implementation of generic and nuclear training programs rests with the Director, Nuclear Training, and (3) specific responsibility for development and implementation of site specific programs rests with the Manager, Nuclear Training.

The NRC inspector discussed the environmental monitoring aspects of the training program with the Director and Manager of Nuclear Training.

The NRC inspector reviewed the program objectives and lesson plans for the environmental monitoring program and noted that the training program appears to be acceptable, except it did not provide guidelines on verification of experience or training of environmental monitoring personnel prior to job assignment or appropriate requalification standards for the supervisory staff of the environmental monitoring program.

This item is considered open (382/8226-02) pending:

- . Approval of the qualification card procedure which is one mechanism for providing guidelines on verification of experience or training prior to job assignment.
- . Establishment of a retraining program for supervisory staff of the environmental monitoring program.

No violations or deviations were identified.

#### 7. Licensee Audits

The NRC inspector reviewed the licensee's quality assurance audits of the environmental monitoring program to determine compliance with 10 CFR Part 50, Appendix B, and the recommendations of Regulatory Guides 1.33 and 4.15.

##### Documents Reviewed

- . PMD-GO-020, "Nuclear Management System Control Manual, Program Description for Radiological Environmental Monitoring," Revision 0, June 4, 1982.
- . Quality Assurance Procedure No. QP-2.3, "Training and Qualification of Audit Personnel," Revision 1, July 24, 1980.
- . Report for the November 16, 1979 Audit of Contractor by Ebasco Services, Inc.
- . Report for the October 3, 1980 Audit of Contractor by LP&L.

The NRC inspector reviewed copies of audits conducted by Ebasco and LP&L of the vendor contracted to perform radiochemical and/or radioisotopic analysis of environmental media samples. The NRC inspector noted that problem areas identified during these audits were effectively resolved in a timely manner.

The NRC inspector noted that LP&L's quality assurance audit of October 3, 1980, included an individual on the team that was familiar with the environmental monitoring programs and the requirements of the Technical Specifications as they applied to the licensee's environmental monitoring program.

The NRC inspector and license representative agreed that the development of a comprehensive audit checklist and a schedule of quality assurance audits to be performed should improve the licensee's quality assurance audit program in the area of the environmental monitoring program.

This item is considered open (382/8226-03) pending:

- . Development and implementation of a comprehensive audit checklist to verify compliance with all aspects of the licensee's commitments applicable to the environmental monitoring program.
- . Establishing a short-term (quarterly) schedule of quality assurance audits to be performed of the environmental monitoring program.

## 8. Environmental Monitoring Programs

The environmental monitoring programs for WSES Unit 3 are described in Section 6 of LP&L's Environmental Report for the operating license stage. The NRC inspector reviewed the status of these programs as follows:

### a. Radiological Surveillance Program

#### Documents Reviewed

- . Vendor Reports Nos. 7-18 for the quarters July-September 1979 through October-December 1981.
  - . Environmental Report Operating License Stage.
- (1) The preoperational radiological surveillance program is described in Section 6.1.5 of LP&L's Environmental Report for the operating license stage. The NRC inspector noted that this preoperational program was of a generally lesser scope than the program described in Supplement 6 to the LP&L Construction Permit Environmental Report for WSES Unit 3. The licensee stated that the slight reduction in scope was due to modification of the original program in accordance with NRC guidance.

Due to construction delays and slippage in the fuel loading date, the preoperational program varied slightly from the schedule. The licensee completed the preoperational radiological surveillance program about March 1982.

The NRC inspector reviewed and discussed selected results submitted by the analytical contractor. The review and discussions indicated that the requirements had been met in this area.

No violations or deviations were identified.

- (2) The operational radiological surveillance program is described in Sections 6.1.5.2 and 6.2 of LP&L's Environmental Report for



the operating license stage. The NRC inspector noted that this program is an extension of the preoperational program, with certain modifications which will allow the licensee to compile the information needed to permit an accurate assessment of the radiological impact of the operation of WSES Unit 3.

The NRC inspector further noted that LP&L had not finalized who will be the analytical contractor for the operational program.

This item is considered open (382/8226-04) pending the licensee's determination of who will be the analytical contractor and finalizing a contract for the operational radiological environmental surveillance program.

No violations or deviations were identified.

b. Nonradiological Surveillance Program

Documents Reviewed

- . NUREG 0787, "Safety Evaluation Report Related to the Operation of WSES, Unit 3, dated July 1981.
- . NUREG 0779, "Final Environmental Statement Related to the Operation of WSES, Unit 3," dated September 1981.
- . Environmental Report Operating License Stage.

- (1) The preoperational nonradiological surveillance program is described in Section 6.1 of LP&L's Environmental Report for the operating license stage. The NRC inspector reviewed and discussed areas of the program as follows:

(a) Surface Water

The surface water aspects of the preoperational environmental program were to establish the level of selected physical and chemical parameters of the Mississippi River and to determine the ecological conditions of the river. The NRC inspector reviewed results from the following physical and chemical parameters:

- . Monthly and seasonal water quality (current velocity, temperature, conductivity, dissolved oxygen, and pH).
- . Continuous water quality (temperature, conductivity, dissolved oxygen, and pH).
- . Hydrographic surveys (current and dye measurements on the Mississippi).

- . Spatial and temporal coverage (both upstream and downstream of WSES Unit 3's discharge points).
- . Analysis of interactions of effluents.

The NRC inspector reviewed results from the following ecological parameters:

- . Algae
- . Zooplankton
- . Benthic Invertebrates
- . Fish
- . Ichthyoplankton

The surface water aspects of the preoperational environmental program were purportedly completed during the spring of 1982. Ebasco Services, Inc. was responsible for the surface water aspects of the preoperational environmental program. Many aspects were conducted under contract to a vendor. The NRC inspector noted, during the review of data as a result of these studies, that data subsequent to 1978 were not available for studies involving the physical and chemical parameters of water quality monitoring and ecological parameters. A licensee representative stated that LP&L had not received the report, including these data, from Ebasco. This item is considered open (382/82206-05) pending the licensee obtaining the report, including these data, from Ebasco by LP&L.

No violations or deviations were identified.

(b) Meteorological Measurements

The NRC inspector reviewed and discussed the preoperational meteorological monitoring program with licensee representatives. These reviews and discussions indicated that sufficient meteorological data had been obtained to satisfy the requirements of the Final Environmental Statement and to develop a representative site-specific diffusion climatology. The licensee continues to collect meteorological data in order to obtain current comparative data. The meteorological tower was experiencing power supply problems during this inspection and was not operating. A licensee representative stated that the tower should be operational some time during the week following this inspection.

No violations or deviations were identified.

(c) Terrestrial Ecological Parameters

The terrestrial ecological portion of the environmental surveillance program is described in Section 6.1.4.3 of WSES's Environmental Report for the operating license stage. The program was conducted in two phases; (1) between April 1973 and August 1976, and (2) initiated in 1979 and continued through the 1981 surveys. This program included the floral and fauna communities surrounding the WSES Unit 3 site. This program was found to be as described in the environmental report.

No violations or deviations were identified.

- (2) The operational nonradiological surveillance program is described in Section 6.2.4 of LP&L's Environmental Report for the operating license stage. The NRC inspector discussed this program with licensee representatives and noted that the design and scope appear to be sufficient to detect and measure the nonradiological environmental impact of the operation of WSES Unit 3.

No violations or deviations were identified.

9. Procedures

The NRC inspector reviewed the licensee's environmental monitoring procedures to determine compliance with 10 CFR Part 20 requirements, and recommendations contained in Regulatory Guides 1.33, 4.13, 4.15, 8.25; ANSI N3.1-1981, and N18.7-1976.

The NRC inspector reviewed the following procedures and noted that they appear to be satisfactory for the preoperational environmental program:

- . SFG-16-001, "Environmental Monitoring System," Revision 0, June 2, 1982.
- . PMD-GO-020, "Program Description for Radiological Environmental Monitoring," Revision 0, June 4, 1982.
- . HP-2-900, "Collection and Preparation of Surface Water Samples," Revision 1, September 10, 1981.
- . HP-2-901, "Collection and Preparation of Drinking Water Samples," Revision 1, December 31, 1981.
- . HP-2-902, "Collection and Preparation of Milk Samples," Revision 1, September 28, 1981.
- . HP-2-903, "Collection and Preparation of Ground Water Samples," Revision 1, November 9, 1981.

- . HP-2-904, "Collection and Preparation of Shore Sediment Samples," Revision 1, October 1, 1981.
- . HP-2-905, "Collection and Preparation of Grass Samples," Revision 1, November 9, 1981.
- . HP-2-906, "Collection and Preparation of Vegetable Samples," Revision 1, November 9, 1981.
- . HP-907, "Collection and Preparation of Aquatic Biota and Bottom Sediment Samples," Revision 1, December 31, 1981.
- . HP-2-908, "Collection and Preparation of Air Samples," Revision 1, December 31, 1981.
- . HP-2-209, "Collection and Preparation of Thermoluminescent Dosimeters," Revision 0, July 31, 1979.
- . HP-2-211, "Sample Shipment," Revision 1, December 31, 1981.

No violations or deviations were identified.

#### 10. Facilities and Equipment

The NRC inspector examined the licensee's facilities for preparation and shipment of environmental media samples. The facilities appeared overcrowded with supplies and equipment to the extent that it would be inadequate for its intended purpose; however, the licensee representative stated that the licensee was in a transition from the preoperational environmental monitoring program to the operational phase of the program and the equipment removed from the field in addition to the equipment being readied for field installation had caused the overcrowded conditions. Discussions regarding the facilities during normal conditions indicated that the facilities would be adequate based on the NRC inspector's judgement and comparison with practices at other similar nuclear power plants.

The NRC inspector examined the licensee's equipment that was being readied for field use during the operational phase of the environmental monitoring program. The equipment used during the preoperational phase had been removed from the field and its adequacy was not determined. The suitability, quantity, and potential of the licensee's equipment compared to that at other similar nuclear power plants indicated that the licensee's equipment would be sufficient for the operational environmental monitoring program as committed to in the FSAR.

No violations or deviations were identified.

#### 11. Quality Control of Analytical Measurements

The NRC inspector discussed the quality control program associated with radioactivity measurements of environmental samples with licensee representatives and noted that the licensee had contracted to have all environmental monitoring program radiological measurements performed by a contractor. The discussions revealed that the contractor participates in the EPA cross-check program which consists of the analysis of various spiked samples for radioactive concentrations in order to demonstrate that the results are reasonably valid.

No violations or deviations were identified.

#### 12. Operational Environmental Surveillance Program

The NRC inspector reviewed the licensee's program, discussed it with licensee representatives, and compared it with NUREG 047, "Radiological Effluent Technical Specifications for PWR's," Revision 2, February 1, 1980. The NRC inspector observed agreement, except the licensee had not developed procedures to cover all aspects of the operational environmental surveillance program: (i.e., procedures including: (1) actions to be taken when environmental technical specification limits are approached or exceeded; (2) systems to identify and correct deficiencies, investigate anomalous or suspect results, and review and evaluate program results and reports; (3) designation of responsible organization or individuals including contractual lab or contract services; and (4) testing methods and frequencies of instruments associated with the program).

This is considered open (382/82206-06) pending the licensee developing, approving, and implementing procedures to cover all aspects of the operational environmental monitoring program.

#### 13. Site Tour

The NRC inspector visited five sampling/monitoring stations that the licensee had purportedly used during the preoperational phase and had designated as sites of stations to be used during the operational phase. Discussions with licensee representatives and review of previous NRC inspection reports indicated that installation and operability of associated equipment during the construction and preoperational phases were adequate to meet the licensee's FSAR commitments. All associated equipment employed during the construction and preoperational phases had been removed from the sampling/monitoring sites.

#### 14. Exit Interview

The NRC inspector met with licensee representatives identified in paragraph 1 at the conclusion of the inspection. The NRC inspector discussed the scope and findings of the inspection.

INSPECTOR'S REPORT  
Office of Inspection and Enforcement

WILBORN LORENZO

REVIEWER

MURRAY BLAINE

INSPECTORS  
LORENZO WILBORN

LICENSEE/VENDOR	TRANSACTION TYPE	DOCKET NO. (8 digits) OR LICENSE NO. (BY PRODUCT) (13 digits)	REPORT		NEXT INSP. DATE	
			NO.	SEQ.	MO.	YR.
LOUISIANA PUBLIC SERVICE COMPANY	<input checked="" type="checkbox"/> I - INSERT <input type="checkbox"/> M - MODIFY <input type="checkbox"/> D - DELETE <input type="checkbox"/> R - REPLACE	05000382	8224	A		
				B		
				C		
				D		

PERIOD OF INVESTIGATION/INSPECTION						INSPECTION PERFORMED BY		ORGANIZATION CODE OF REGION/HQ CONDUCTING ACTIVITY (See IEMC 0530 "Manpower Reporting - Weekly Manpower Reporting" for code)				
FROM			TO			1 - REGIONAL OFFICE STAFF 2 - RESIDENT INSPECTOR 3 - PERFORMANCE APPRAISAL TEAM		OTHER		REGION	DIVISION	BRANCH
MO.	DAY	YR.	MO.	DAY	YR.					4	B	A
1	0	8	2	10	20							

REGIONAL ACTION (Check one box only)		TYPE OF ACTIVITY CONDUCTED (Check one box only)					
1 - NRC FORM 581		<input checked="" type="checkbox"/> 02 - SAFETY	<input type="checkbox"/> 06 - MGMT. VISIT	<input type="checkbox"/> 10 - PLANT SEC.	14 - INQUIRY		
<input checked="" type="checkbox"/> 2 - REGIONAL OFFICE LETTER		<input type="checkbox"/> 03 - INCIDENT	<input type="checkbox"/> 07 - SPECIAL	<input type="checkbox"/> 11 - INVENT. VER.	15 - INVESTIGATION		
		<input type="checkbox"/> 04 - ENFORCEMENT	<input type="checkbox"/> 08 - VENDOR	<input type="checkbox"/> 12 - SHIPMENT/EXPORT			
		<input type="checkbox"/> 05 - MGMT. AUDIT	<input type="checkbox"/> 09 - MAT. ACCT.	<input type="checkbox"/> 13 - IMPORT			

INSPECTION/INVESTIGATION FINDINGS (Check one box only)				TOTAL NUMBER OF VIOLATIONS AND DEVIATIONS	ENFORCEMENT CONFERENCE HELD	REPORT CONTAIN 2,790 INFORMATION	LETTER OR REPORT TRANSMITTAL DATE		
<input checked="" type="checkbox"/> A	<input type="checkbox"/> B	<input type="checkbox"/> C	<input type="checkbox"/> D				NRC FORM 581 OR REG. LETTER ISSUED		REPORT SENT TO HQ. FOR ACTION
1 - CLEAR							MO. DAY YR.		MO. DAY YR.
2 - VIOLATION							DEC 07 1982		
3 - DEVIATION									
4 - VIOLATION & DEVIATION									

MODULE INFORMATION														MODULE INFORMATION													
MODULE INFORMATION										MODULE REQ. FOLLOWUP				MODULE INFORMATION										MODULE REQ. FOLLOWUP			
REC. ORD.	MODULE NUMBER INSP.			PRIORITY	DIRECT INSP. EFFORT IN STAFF HOURS EXPENDED THIS INSPECTION	PERCENTAGE COMPLETED	TO DATE	STATUS	PHASE	MANUAL CHAPTER	PROCEDURE NUMBER	LEVEL	REC. ORD.	MODULE NUMBER INSP.			PRIORITY	DIRECT INSP. EFFORT IN STAFF HOURS EXPENDED THIS INSPECTION	PERCENTAGE COMPLETED	TO DATE	STATUS	PHASE	MANUAL CHAPTER	PROCEDURE NUMBER	LEVEL		
TYPE	NUMBER	PHASE	MANUAL CHAPTER	PROCEDURE NUMBER	LEVEL	SEQ.							TYPE	NUMBER	PHASE	MANUAL CHAPTER	PROCEDURE NUMBER	LEVEL	SEQ.								
B	53	070	30	B	A	02.0							B														
B	58	031	10	B	A	1.4							B														
B	58	032	0	B	A	0.8							B														
B	59	270	6	B	A	1.2							B														

\* CIRCLE SEQUENCE IF VIOLATION OR DEVIATION

ATTACHMENT B

OPEN ACTION ITEMS LIST

Date: NOVEMBER 5, 1982

Case No: 50-382  
(8)

Type Code: A=Allegation  
B=Bulletin  
C=Circular  
D=Deviation  
E=50.55(e)  
L=LER  
M=Miscellaneous  
O=Open Item  
R=Part 21 Report  
T=Temporary Instructions  
U=Unresolved Item  
V=Violation

Note - Max characters allowed for each entry shown in (1)

1	2	3	4	5	6	7	8
Type Item (1)	Item No. (8)	Report Paragraph (6)	Responsible Section (4)	Module (7)	Description (186)	Update/Closeout Report (30)	Status Code (1)
0	8226-01	5	T-RP	80310	OPERATIONAL ENVIRONMENTAL MONITORING STAFF		
0	8226-02	6	T-RP	80310	ENVIRONMENTAL MONITORING PERSONNEL TRAINING		
0	8226-03	7	T-RP	80310	QA AUDIT CHECKLIST AND SHORT TERM SCHEDULE		
0	8226-04	8	T-RP	80310	UNAVAILABLE ENVIRONMENTAL MONITORING DATA		