JUL 14 1988

In Reply Refer To:
Dockets: 50-313/86-23
50-368/86-24
EA· 88-192

Arkansas Power & Light Company
ATTN: Mr. Gene Campbell
Vice President, Nuclear
Operations
P.O. Box 551
Little Rock, Arkansas 72203

Gentlemen:

Thank you for your letters dated July 31 and October 3, 1986, in response to the equipment qualification (EQ) inspection report forwarded by letter dated December 11, 1986, and discussions on this report in telephone conversations of July 22, 1986, and May 27, 1988.

During the EQ team inspection, on July 14-18, 1986, four Potential Enforcement/Unresolved items and three open items were identified. Subsequently, it has been found that certain of your activities appear to be in violation of NRC requirements although operability aspects have now been addressed. By separate letter, we will schedule an enforcement conference in the Region IV office to discuss your understanding of apparent violations which represent failures to fully establish the qualification of the following equipment, as documented in NRC Inspection Reports 50-313/86-23 and 50-368/86-24: (1) Limitorque motor operator motor lead splices, T-drains, gear box greases, unremoved shipping caps on relief valves, and compartment space heaters; (2) Rockbestos coaxial cable to high range radiation monitors; (3) cable instrument accuracy analyses; (4) Amphenol/Bunker Ramo electrical penetrations; (5) Eaton cable life qualification; (6) Boston Insulated Wire cable post LOCA qualification; and (7) Rotork motor operator test anomalies.

In addition, NRC inspections conducted by this office during the periods September 29 through October 3, and October 14-17, 1986 (NRC Inspection Report Nos. 50-313/86-32 and 50-368/86-32); February 29 through March 4, March 21-25, April 4-8, and June 6-10, 1988 (NRC Inspection Reports 50-313/88-05 and 50-368/88-05) identified several apparent violations and several unresolved items. We would also like you to fully discuss these items at the conference, which appear to have represented a failure to fully establish the qualification of the following equipment at the time of these NRC inspections: (1) Okonite T95/35 tape splices on braided fiberglass jacketed field cable to Limitorque motor operators; (2) thermal aging of components due to switch compartment heaters within Limitorque motor operators; (3) Reliance containment cooling fan motor (CCFM) Gulf high temperature grease; (4) Reliance CCFM double

*RIV:RI	*AC:PSS	*D:DRS	*C:DRP/A	EQ	D:DRP
AJohnson/tw	RIreland	JMilhoan	DChamberlain	GSanborn	LJCallan
/ /88	/ /88	/ /88	/ /88	/ /88	7/15/88

*Previously concurred

1/1

IE01

sealed/shielded bearings; (5) Reliance CCFM bearing replacement procedures to maintain qualification; and (6) Reliance CCFM electrical insulation system modifications.

These discussions should focus on information related to the November 30, 1985, deadlines for compliance with 10 CFR 50.49 and possible civil penalties applicable to licensees not in compliance with 10 CFR 50.49 as described in the April 7, 1988, Generic Letter (88-07), Modified Enforcement Policy Relating to 10 CFR 50.49, "Environmental Qualification of Electrical Equipment Important to Safety for Nuclear Power Plants." The NRC is particularly concerned with the number of failures to establish equipment qualification by the November 30, 1985, deadline identified at Arkansas Nuclear One, Units 1 and 2, during the NRC "first-round" inspection. Discussions should also address evaluation of many of these issues for reportability under 10 CFR 50.72 and 50.73.

The referenced inspection reports were forwarded to you under separate cover. A proposed meeting agenda is enclosed.

In accordance with Section 2.790 of the NRC's "Rules of Practice," Part 2, Title 10, Code of Federal Regulations, a copy of this letter will be placed in the NRC's Public Document Room.

Should you have any questions concerning these arrangements, we will be pleased to discuss them with you.

Sincerely,

Original Signed By
A. B. Beach

L. J. Callan, Director
Division of Reactor Projects

Enclosure:
Proposed Agenda

cc w/enclosure:
Arkansas Nuclear One
ATTN: J. M. Levine, Director
Site Nuclear Operations
P.O. Box 608
Russellville, Arkansas 72801

Arkansas Radiation Control Program Director

bcc to DMB (IE01)

bcc distrib. by RIV:

RRI
RPB-DRSS
Lisa Shea, RM/ALF
DRP
RSTS Operator
G. Dick, NRR Project Manager
G. F. Sanborn, EO
J. Craig, NRR/SPLB
R. Ireland, AC:PSS
R. Hall
A. Johnson
R. D. Martin, RA
Section Chief (DRP/A)
RIV File
MIS System
Project Engineer, DRP/A
DRS
U. Potapovs, NRR/VIB/SPS
R. Wilson, NRR/VIB/SPS
RSTS Operator
TSS

PROPOSED AGENDA

ARKANSAS POWER & LIGHT COMPANY (AP&L)
ENFORCEMENT CONFERENCE WITH NRC

I.	INTRODUCTION AND PURPOSE OF MEETING	A. B. Beach, Deputy Director Division of Reactor Projects
II.	ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT (July 14-18, 1986, NRC NRC Inspection)	J. L. Milhoan, Director Division of Reactor Safety
	LICENSEE COMMENTS	AP&L Representative

DISCUSSION

1. Limitorque Motor Operators (Inside and Outside Containment)

   1.1 Unidentified Splices

   1.2 Unidentified, Corroded, and Underrated Terminal Blocks (found by AP&L)

   1.3 Missing T-drains

   1.4 Mixing of Greases, Hardening and Contamination

   1.5 Shipping Caps on Grease Relief Valves

   1.6 Unidentified Motor Lead Crimp Type Connectors (Thomas Betts, Hollingsworth, or Burndy)

   1.7 Limit Switch Compartment Space Heaters - Qualified Life on Components

      1.7.1 Life of Components

      1.7.2 Burnt Insulation with Wires in Contact

2. Rockbestos Coaxial Cable to the GA RD23 High Range Radiation Monitor

   2.1 Similarity Evaluation Clarifying the Differences of "LD" and "LE" Generation Cable

3. Cable Instrument Accuracy Evaluations Considering Combined Errors of Transmitters, Terminal Blocks, Penetrations, etc.

4. Amphenol/Bunker Ramo Electrical Penetration Assemblies Model 50009752-07-Instrument Circuits

   4.1 Insulation Resistance Test Data

5. Eaton Cable, GEN 1002

   5.1 Buses for 40-Year Qualification

   5.2 Clarification of Jacket Material

6. Boston Insulated Wire (BIW), Cable, GEN 1002

   6.1 Qualification for the Required 110 Hours Post-LOCA

7. Rotork Motor Operator, 11NA1

   7.1 Test Report TR116, Test Anomalies

III. ENVIRONMENTAL QUALIFICATION OF ELECTRICAL EQUIPMENT (Subsequent NRC Inspections) — J. L. Milhoan, Director, Division of Reactor Safety

LICENSEE COMMENTS — AP&L Representative

DISCUSSION

1. Limitorque Motor Operators

   1.1 Okonite T95/35 Tape Splices on Braided Fiberglass Jacketed Field Cable

   1.2 Thermal Aging of Components Due to Switch Compartment Space Heaters

      1.2.1 Heater Qualification

      1.2.2 Power Source

2. Reliance Containment Cooling Fan Motors (Fans by Joy Mfgr.)

   2.1 Gulf High Temperature Grease Qualification

   2.2 Double Sealed/Shielded Bearing Qualification (Tested vs. Installed)

   2.3 Bearing Replacement Procedures to Maintain Qualified Status

   2.4 Electrical Insulation System Modifications (Glyptol 1201)

IV. LICENSEE CLOSING COMMENTS — AP&L Representative

V. NRC CLOSING COMMENTS — A. B. Beach/J. L. Milhoan