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United States Nuclear Regulatory Commission
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SHEARON HARRIS NUCLEAR POWER PLANT
DOCKET NO. 50-400/LICENSE NO. NPF-63
EMERGENCY RESPONSE DATA SYSTEM - SURVEY RESPONSE

Gentlemen:

The purpose of this letter is to provide Carolina Power & Light Company's communications description and survey questionnaire information regarding the Emergency Response Data System for the Shearon Harris Nuclear Power Plant (SHNPP). This information is provided in accordance with the provision of NUREG-1394, Revision 1, Section 3.3, and is enclosed.

Should you have any questions regarding this subject, please contact Mr. Fred Emerson at (919) 546-7573.

Yours very truly,

D. C. McCarthy

D. C. McCarthy
Manager
Nuclear Licensing Section

DBB/jbw

Enclosure

cc: Mr. S. D. Ebneter
Ms. B. L. Mozafari
Mr. J. E. Tedrow

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(1606GLU)

Shearon Harris Nuclear Power Plant (SHNPP)
ERDS Communications Questionnaire

NUREG-1394, Revision 1, Appendix B

I. Contacts - ERDS Communications Description and Survey Questionnaire

A. Survey Coordinator

Mike Verrilli, Specialist - Regulatory Compliance
(919) 362-2303

B. Computer Hardware Specialist

Howard T. Cox, Senior Specialist - Computer
(919) 362-2048

C. Systems Software Specialist

Howard T. Cox, Senior Specialist - Computer
(919) 362-2048

D. Application-Level Software Specialist

Howard T. Cox, Senior Specialist - Computer
(919) 362-2048

E. Telephone Systems Specialist

Bryan C. Allen, Telecommunications Service Supervisor
(919) 362-2596

Mailing Address

Harris Nuclear Project Department
P. O. Box 165
New Hill, NC 27562

II. ERDS Communications Description

SHNPP takes no exceptions to the ERDS communications description provided in this item of the questionnaire.

III. Selection of Data Feeder

A. How many data feeders?

One (1).

B. Identify the data feeder and provide 1) a short description of the categories of data points it will provide and 2) the rationale for selecting it.

The data feeder for SHNPP is the Plant Process Computer/Emergency Response Facility Information System (ERFIS). This system provides the data points required by NUREG-1394, Revision 1.

This system was selected as the data feeder because it is the only system which can provide the necessary data points.

C. Which data feeder is the site time determining feeder?

SHNPP has only one feeder, so the time determining feeder will be ERFIS also.

IV. Data Feeder Information

General Questions

1. Identification of the Data Feeder

a. What is the local parlance?

ERFIS - Emergency Response Facility Information System.

b. Is this the site time determining feeder?

Yes.

c. How often will this feeder transmit an update set to ERDS (in seconds)?

The data set will be transmitted at time intervals of no less than every 15 seconds and no more than every 60 seconds.

2. Hardware/Software Environment

a. Identify the manufacturer and model number of the data feeder.

ENCORE Computer Corporation - Concept 32/6780.

b. Identify the operating system.

MPX-32, Revision 3.2B.

c. What method of timekeeping is implemented?

Standard and daylight savings.

d. In what time zone is the feeder located?

Eastern time zone.

3. Data Communications Details

a. Can this data feeder provide asynchronous serial data communications (RS-232-C) with full modem control?

Yes.

b. Will this feeder transmit at ASCII or EBCDIC?

ASCII.

c. Can this feeder transmit at a serial baud rate of 2400 bps?

Yes.

d. Does the operating system support XON/XOFF flow control?

Yes.

(1) Are any problems foreseen with the NRC using XON/XOFF to control the transmission of data?

No.

e. If it is not feasible to reconfigure a serial port for ERDS linkup, please explain why.

Serial ports for ERDS can be reconfigured.

f. Do any ports currently exist for the ERDS linkup?

Yes.

(1) If not, is it possible to add?

Not applicable; port is available.

(2) If yes, will the port be used solely by ERDS?

Yes, the port will be dedicated to ERDS.

4. Data Feeder Physical Environment and Management

a. Where is the data feeder located in terms of the TSC, EOF, and control room?

The data feeder is located in a dedicated room adjoining the control room.

b. Is the data feeder protected from a loss of supply of electricity?

Yes, the data feeder is supplied by a dedicated Uninterruptible Power Supply (UPS).

c. Is there a human operator for this data feeder?

The data feeder is operated by the site Computer Maintenance Group.

(1) If so, how many hours a day is the feeder attended?

Personnel are on-site eight hours a day, five days a week (normal work hours); however, the data feeder is attended only on an as-needed basis during this time. Data feeder attention during off-normal hours is handled on a call-out basis.