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REF: # 10CFR50, APP. E

October 28, 1991

William J. Cahill, Jr.
Group Vice President

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES)
DOCKET NOS. 50-445 AND 50-446
EMERGENCY RESPONSE DATA SYSTEM (ERDS)

REF: NRC Letter from W. J. Cahill Jr. to Mr. John R. Jolicouer NRC dated
September 20, 1990 and logged TXX-90328.

Gentlemen:

By this letter TU Electric complies with the requirements of 10CFR50
Appendix E (VI)(4)(a) in providing an implementation plan for the Emergency
Response Data System (ERDS).

TU Electric is in the process of changing out the plant computers. The
present Prime 750 computers, reported in the ERDS survey attached to the
referenced letter, will be replaced by VAX 4000-300 computers.
Correspondingly, the operating system will be changed from the Primos 18.3
operating system to the VMS Version 5.4 operating system. As a result of
these changes the Plant Attribute Library (PAL), transmitted as part of the
ERDS survey, is being re-transmitted as an enclosure to this letter as
required by 10CFR50 Appendix E (VI)(3)(b). Please note that the PAL is common
to both units. Although TU Electric does not expect the Data Point Library
(DPL), also a part of the ERDS survey, to change substantially, TU Electric
will, as the new computers are installed and tested, reverify the contents of
the DPL and inform the NRC of any changes as required by 10CFR50 Appendix E
(VI)(3).

10CFR50.72(a)(4) requires that the ERDS be activated as soon as possible but
no later than one hour after declaring an emergency classification of alert or
higher. In order to comply, TU Electric Emergency Plan Procedures will
require activation of the ERDS as one of the initial steps in the activation
of the Technical Support Center (TSC). Activation of the ERDS by TSC
personnel will relieve control room personnel from performing this extra task.
Revision of TU Electric Emergency Plan Procedures and training to reflect the
new computer system and ERDS in Unit 2 will be complete by February 13, 1993.

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The Unit 2 plant computer changeout is projected for July 1992. TU Electric expects to install the ERDS software and hardware as part of the changeout. TU Electric will verify operability and compatibility of the NRC supplied modem and the new plant computer system during acceptance testing of the computer. Any changes identified to the Data Point Library will be submitted prior receipt of the Unit 2 facility operating license. TU Electric will provide available dates for the installation testing of the ERDS in accordance with the NRC supplied test procedure when the Data Point Library changes are submitted.

The Unit 1 plant computer changeout is currently projected for fourth quarter of 1993. As in Unit 2, TU Electric expects to install the ERDS software and hardware as part of the changeout. TU Electric will verify operability and compatibility of the NRC supplied modem and the new plant computer system during acceptance testing of the computer. The schedule is still tentative and contains uncertainties that could affect completion. Since the projected completion date is after the implementation date specified in the rule, TU Electric will prepare and submit an exemption request, to the NRC. TU Electric will submit the exemption request prior to August 31, 1992, and will provide an implementation schedule for ERDS, including Emergency Plan Procedures and training, when the plant computer changeout schedule becomes firm

Sincerely

William J. Cahill, Jr.
William J. Cahill, Jr.

By: *Roger D. Walker*
Roger D. Walker
Manager of Nuclear Licensing

JDR/
Enclosure

- c. Mr. R. D. Martin, Region IV
Resident Inspectors, CPSES (2)
T. A. Bergman, NRR
M. B. Fields, NRR
Mr. Tony P. LaRosa, NUS

PLANT ATTRIBUTE LIBRARY
for
EMERGENCY RESPONSE DATA SYSTEM
ENCLOSURE TO
TXX-91383

I. CONTACTS

ENCLOSURE 1
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Note: Please provide name, title, mailing address, and phone number.

- A. Survey Coordinator (i.e., contact for later clarification of questionnaire answers):

Jose D. Rodriguez, Licensing Engineer
400 N. Olive St., L.B. 81
Dallas, TX 75201
(214) 812-8674

- B. Computer Hardware Specialist(s):

Ron Greenthaier, Lead Engineer
Texas Utilities Electric Company
CPSES - Mail Stop C01
P.O. Box 1002
Glen Rose, TX 76043

- C. Systems Software Specialist(s):

Same as 'B.'

- D. Application-level Software Specialist(s):

Same as 'B.'

- E. Telephone Systems Specialist(s):

Same as 'B.'

iv. Exceptions

Please note any exceptions which must be taken to Section II and explain why.
There are no exceptions taken to Section II

III. SELECTION OF DATA FEEDERS

A. How many data feeders are there (six maximum)?

2 - 1 per each unit

B. Identify the selected data feeders and provide the following for each:

(1) a short description of the categories of data points it will provide (e.g., met, rad, or plant data points, by unit).

CP1 will provide all the described points for Unit 1 and CP2 will provide all the described points for Unit 2.

(2) The rationale for selecting it if another system can also provide its categories of data points.

The PCS on each respective units has all of the points and all points have been verified and validated.

C. Which data feeder is the site time determining feeder? This should be the feeder which is providing the majority of the data points.

For this application, PCS.

IV. DATA FEEDER INFORMATION

Note: A new Section IV must be filled out for each feeder system selected.

A. General Questions

1. Identification of Data Feeder (CP1)

- a. What is the name in local parlance given to this data feeder (e.g., Emergency Response Information System)? Please give both the acronym and the words forming it.

PCS - Plant Computer System Unit 1

- b. Is this the site time determining feeder?

No

- c. What is the update frequency of this feeder (in seconds)?

Once per second

NRC-314

ii. Hardware/Software Environment

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

VAX 4000-300

- b. Identify the operating system.

VMS Version 5.4

- c. What method of timekeeping is implemented on this feeder system
(Daylight Savings, Standard, Greenwich)?

Daylight Savings

- d. In what time zone is this feeder located?

Central

NEC-314

iii. Data Communication Details

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

YES

- b. Will this feeder transmit in ASCII or EBCDIC?

ASCII

- c. Can this feeder transmit at a serial baud rate of 2400 bps? If not, at what baud rate can it transmit?

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 the ERDS linkup (i.e., change the baud rate, parity, etc.), please explain why.

It is feasible

- f. Can the serial port dedicated to the ERDS be configured so that the NRC need not emulate a specific brand of terminal (i.e., can it be configured to be a "vanilla" terminal)?

YES

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

YES

1. If not, is it possible to add additional ports?

2. If yes, will the port be used solely by the ERDS or shared with other nonemergency-time users? Give details.

YES. It will be solely dedicated to ERDS.

iv. Data Feeder Physical Environment and Management

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

Control Room Compute. Room

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

YES

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

NO

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

IV. DATA FEEDER INFORMATION

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Note: A new Section IV must be filled out for each feeder system selected.

A. General Questions

1. Identification of Data Feeder
(CP2)

- a. What is the name in local parlance given to this data feeder (e.g., Emergency Response Information System)? Please give both the acronym and the words forming it.

PCS - Plant Computer System

Unit 2

- b. Is this the site time determining feeder?

NO

- c. What is the update frequency of this feeder (in seconds)?

Once per second

11. Hardware/Software Environment

a. Identify the manufacturer and model number of the data feeder hardware.
VAX 4000-300

b. Identify the operating system.

VMS Version 5.4

c. What method of timekeeping is implemented on this feeder system
(Daylight Savings, Standard, Greenwich)?

Daylight Savings

d. In what time zone is this feeder located?

Central

iii. Data Communication Details

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

YES

- b. Will this feeder transmit in ASCII or EBCDIC?

ASCII

- c. Can this feeder transmit at a serial baud rate of 2400 bps? If not, at what baud rate can it transmit?

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 the ERDS linkup (i.e., change the baud rate, parity, etc.), please explain why.

It is feasible

- f. Can the serial port dedicated to the ERDS be configured so that the NRC need not emulate a specific brand of terminal (i.e., can it be configured to be a "vanilla" terminal)?

YES

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

YES

1. If not, is it possible to add additional ports?

2. If yes, will the port be used solely by the ERDS or shared with other nonemergency-time users? Give details.

YES, it will be solely dedicated to ERDS.

iv. Data Feeder Physical Environment and Management

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

Control Room Computer Room

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

YES

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

NO

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