



Commonwealth Edison  
 960 North Route 47  
 Morris, Illinois 60450

June 27, 1985

50-373

John B. Hickman  
 Reactor Safety Engineer  
 U.S. Nuclear Regulatory Commission  
 Washington, D.C. 20555

SUBJECT: ERDS TEST AT THE LA SALLE UNIT 1 NUCLEAR POWER STATION

Dear John:

As per our telephone conversation of June 26, the La Salle Unit 1 ERDS Test is scheduled for August 13, 1985.

It was brought to my attention, that my May 28, 1985 letter to you, listing the computer points for the test included four digital pointers as identified below:

D952	MAIN STEAM	RAD	DIV	A1
D953	MAIN STEAM	RAD	DIV	A2
D992	MAIN STEAM	RAD	DIV	B1
D993	MAIN STEAM	RAD	DIV	B2

These points have only two possible acceptable readings; RESET (OCTAL number 0000) or TRIPPED (OCTAL number 0004).

As per our discussion, we agreed that transmission of the points would follow the same sequence as that in the letter. I have been informed, by my computer personnel, that this could cause problems for data transmission, thus these four computer digital points will be transmitted after all of the analog values.

In addition, the format for digital point data transmission is different than analog transmission. The format for the digital points is as follows:

6 Alpha Numeric Data Base Sensor Description characters (left justified), example D952

4 HEX Status Word characters, example 0004

Example for digital point D992 that is in High Alarm (TRIPPED).

D 9 9 2 0 0 0 4

The data transmission will start with the 16 character Leader followed by the 20 character analog values, followed by the 6 character digital values, followed by the 5 character Follower.

8507160625  
 ADOCK 05000373  
 PDK

871210  
 850827  
 XA

spp

LEO2  
 1/0

June 27, 1985

ERDS TEST AT THE LA SALLE UNIT 1 NUCLEAR POWER STATION

Page 2 of 2

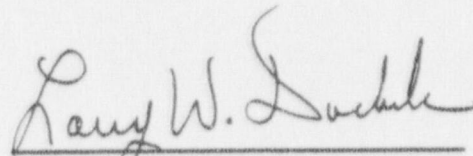
Following are the list of the 4 HEX status word characters in OCTAL form that will be used for the ERDS Test:

<u>B I T</u>	<u>OCTAL</u>	<u>MEANING</u>
1	0001	Lo Alarm
2	0002	Lo-Lo Alarm
3	0004	Hi Alarm
4	0008	Hi-Hi Alarm
5	0010	Out-Of-Scan High
6	0020	Out-Of-Scan Low
7	0040	Value inserted
8	0080	Removed from Scan
12	0800	Point was not found in catalog
15	4000	Bad Value

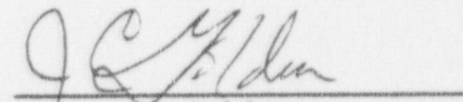
There can be various combinations of the above status BITS to indicate that more than one condition exists. Also, note that there are no status BITS set (ie. OCTAL 0000) that means that no alarm or unusual conditions were detected.

If you have any questions, concerns or problems, please contact me at (815) 942-8152. I will obtain a copy of the La Salle Exercise and forward it to your office so that you may evaluate the Scenario before August 13, 1985.

Prepared By:

  
Larry W. Duchek  
Emergency Planning  
Supervisor

Approved By:

  
John C. Golden  
Supervisor  
Emergency Planning

LWD:wjm

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B.B. Stephenson T.G. Blackmon

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 UCHEK, L.W. Commonwealth Edison Co.  
 GOLDEN, J.C. Commonwealth Edison Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 HICKMAN, J.B. NRC - No Detailed Affiliation Given

SUBJECT: Informs of possible problems for data transmission during  
 ERDS test using digital pointers listed in 850528 ltr.  
 Computer digital points submitted in 850528 ltr will be  
 transmitted after analog values.

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7/11/85

John-

Call Larry Duchek (Commonwealth Edison)  
at 8:30 AM (our time) on Monday 7/15  
regarding "ERDS test".  
(815) 942-8152

Ray

~ 10:30 their time

~ 11:30

Real plant data today ~ 1/2 hour

got fax #

(815) 357-6761

x 297 } Try First  
298  
446  
330

LaSalle (BRDS)

7/2

Telecon w/Larry Duckert  
(815) 942-8152

Will send scenario day after exercise  
RR didn't want it sent before

Will call me on drill day to allow  
us to record met data

Subsequent memo to the May RR  
will provide more info.  
info: steam line and digital (good/bad)  
info  
∴ analog signals followed by digital

Will call back to double check  
scenario data set.

Will provide a test data  
transmission on 7/15

Larry will record 15 min. met  
data on day of exercise for  
use for BRDS exercise.

50 SHEETS  
100 SHEETS  
200 SHEETS

22-141  
22-142  
22-144

