

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL: 50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co.      05000335  
       50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co.      05000389  
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 SAGER, D.A.      Florida Power & Light Co.  
 RECIPIENT AFFILIATION  
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SUBJECT: Submits emergency response data sys implementation program  
 plan & provides info on computer sys configuration &  
 interfaces planned.

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October 23, 1991

L-91-286  
10 CFR 50 Appendix E

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

Gentlemen:

Re: St. Lucie Units 1 and 2  
Docket Nos. 50-335 and 50-389  
Emergency Response Data System

On August 13, 1991, the Nuclear Regulatory Commission published in the Federal Register a final rule requiring power licensees to participate in the Emergency Response Data System (ERDS) program. The revised rule required that an ERDS implementation program plan be submitted by October 28, 1991. Attachment A provides St. Lucie Plant's implementation program plan. Attachment B and Figure 1 provide information on the computer system configuration and interfaces that are planned.

Procedures will be developed to control hardware and software changes to ensure the integrity of the ERDS. Emergency procedures will be revised as necessary to ensure activation of ERDS within one hour of declaration of an Alert or higher emergency classification level.

It should be noted that the attached schedule for implementation of ERDS is dependent, in part, on actions by the NRC or the NRC contractor. Any delays on NRC items may result in schedule extension.

If you have any additional questions on the enclosed, please contact us.

Very truly yours,

D. A. Sager  
Vice President  
St. Lucie Plant

DAS:kw

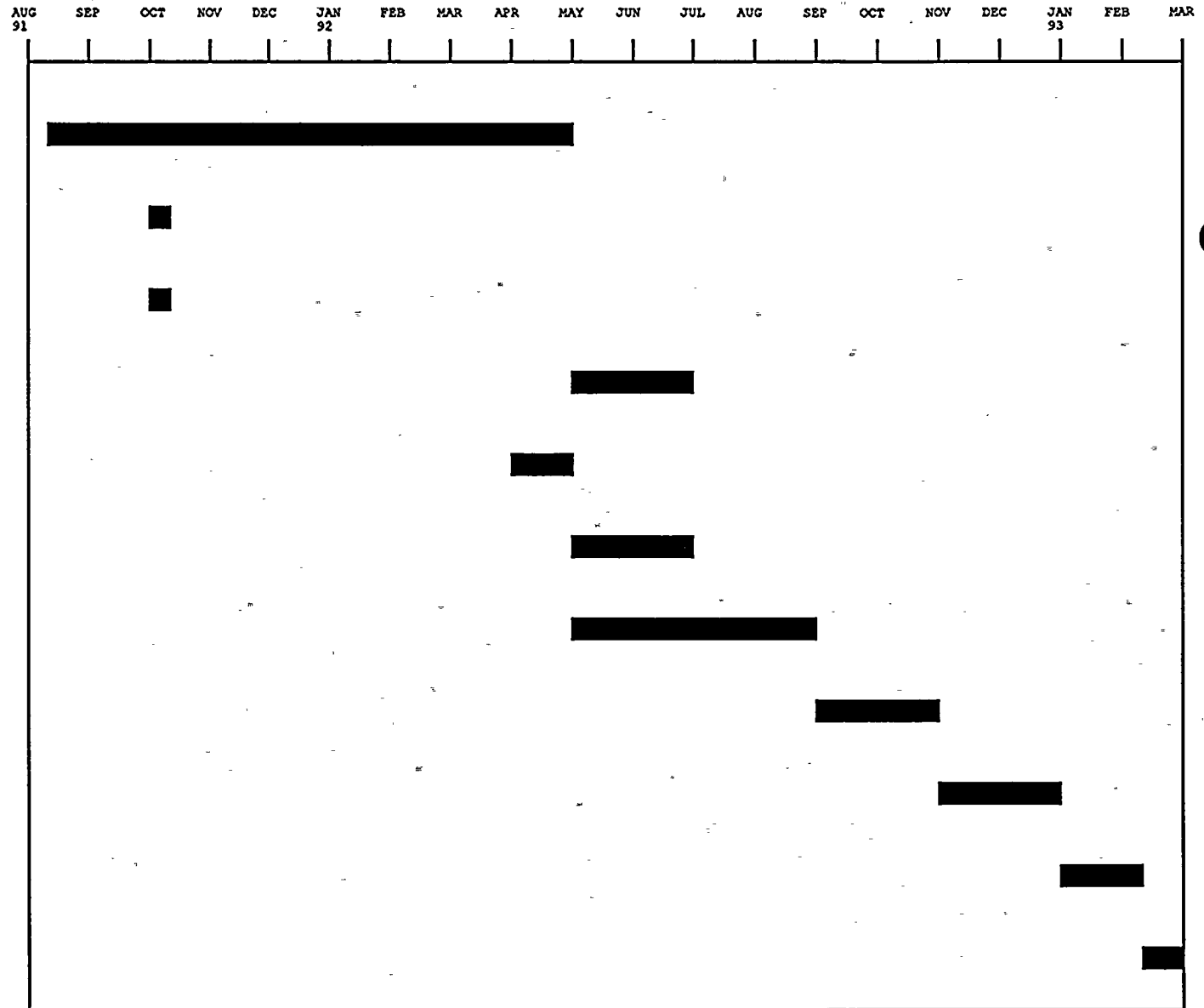
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cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, St. Lucie Plant

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## Attachment A



DPL - Data Point Library  
 PAL - Plant Attribute Library

FST - Formal System Test  
 SAT - Site Acceptance Test

## Attachment B

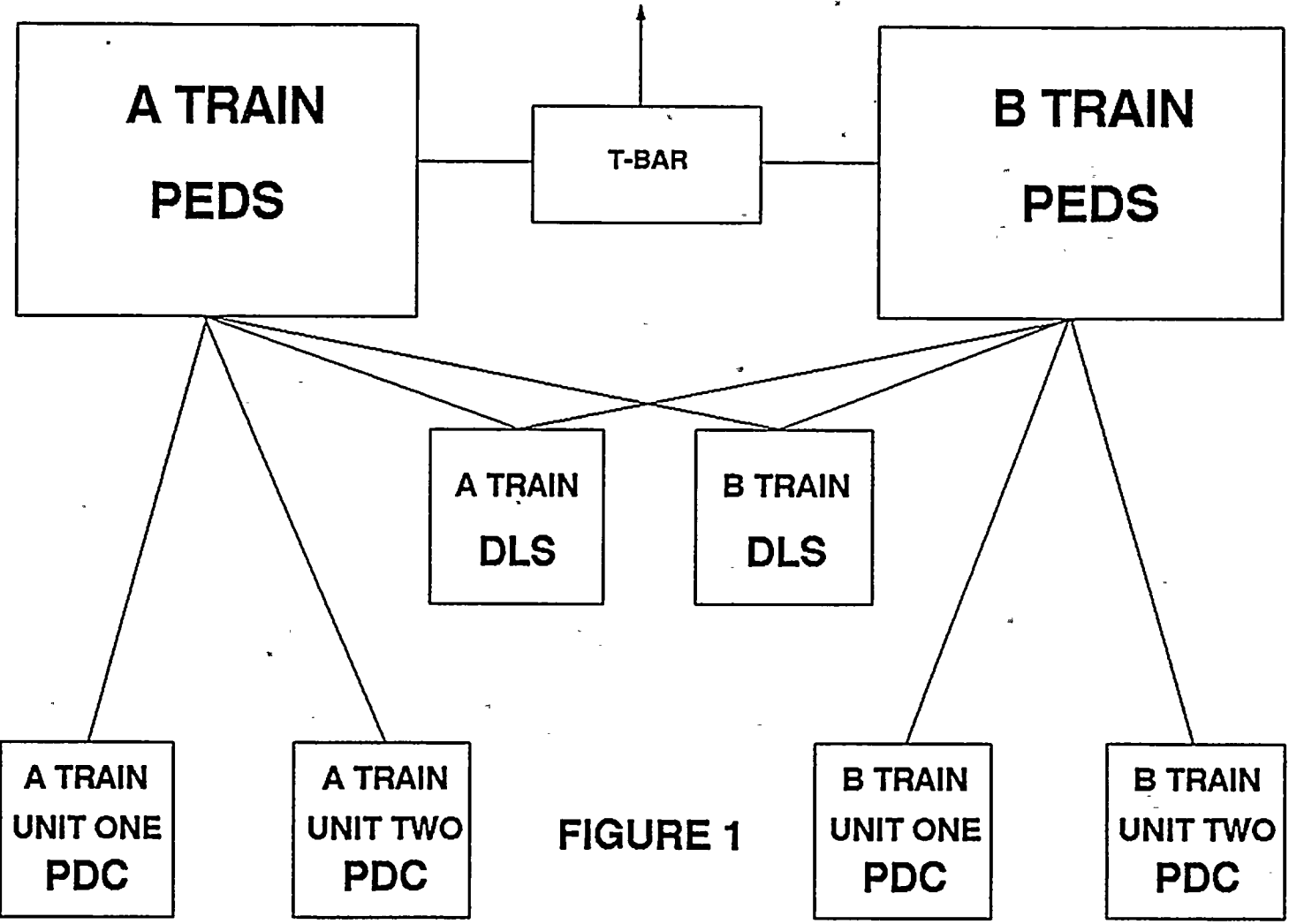
The ERDS Link data feeder is the Emergency Response Data Acquisition and Display System (ERDADS). Figure 1 illustrates the computer interconnection of the ERDADS. All 8 computers are MODCOMP model CLASSIC III/95 running the MAX IV operating system with MAXNET extensions. The applications software was supplied by EI Inc. based on the R\*Time product.

The ERDADS is a redundant dual unit monitoring system with 3 data collection computers and 1 host computer. The 4 A Train computers constitute one operational set and the B Train is the other set. The Plant Environment Data System (PEDS) is the host/master computer. The Plant Data Concentrators (PDC), one for each unit, utilize analog and digital data acquisition hardware MODCOMP model MODACS III. The Data Link Systems (DLS) communicate with the rest of the plant computers via serial communication lines.

The Operator Consoles (OPCONS) are the users color graphics terminals located in the control rooms of each unit, in the on-site Technical Support Center (TSC), and the off-site Emergency Operations Facility (EOF). The OPCONS are ASEA model 8000 video generators with 19" color monitors.

The ERDS Link will be connected to the T-Bar equipment and powered from the same supplies as the PEDS thereby providing ERDS Link availability as long as the ERDADS system is operational.

**OPCONS & LINE PRINTERS**



**FIGURE 1**

