

Iowa Electric Light and Power Company

May 4, 1993

NG-93-1631

JOHN F. FRANZ, JR.
VICE PRESIDENT, NUCLEAR

Dr. Thomas E. Murley
Director of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Mail Station P1-137
Attention: Document Control Desk
Washington, D. C. 20555

Subject: Duane Arnold Energy Center
Docket No.: 50-331
Op. License No.: DPR-49
Semiannual Report for the "Plan for the
Integrated Scheduling of Plant Modifications for
the Duane Arnold Energy Center"
Reference: 1) J. Franz, Jr. letter to T. Murley dated
November 4, 1992, NG-92-4540
File: A-278

Dear Dr. Murley:

This letter and attachments provide the semiannual report required by Section V. A. of the "Plan for the Integrated Scheduling of Plant Modifications for the Duane Arnold Energy Center" (the Integrated Plan). This report summarizes our progress in implementing Schedule A and B items and provides updated schedules.

Attachment 1 is a summary of progress in implementing the items listed in Schedules A and B. It lists the items which have been completed since the last update (Reference 1). References to the correspondence which describes the completion of these items are included when available.

Updated Schedules A and B are included as Attachment 2. There have been no changes to dates or schedules; no items have been added or deleted. For each item listed, the specific implementation date is stated and reference is made to the correspondence supporting this date.

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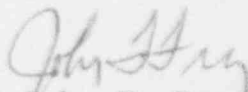
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Please inform us if you have any questions or comments concerning this submittal.

Sincerely,



John F. Franz
Vice President, Nuclear

JFF/CJR/pjv*

Attachments: 1. Summary of Progress in Implementing Schedule A and B
Items
2. Updated Schedules A and B

cc: C. Rushworth
L. Liu
L. Root
R. Pulsifer (NRC-NRR)
A. Bert Davis (Region III)
NRC Resident Office
DCRC

Summary of Progress in Implementing Schedule A and B Items

The following items, as listed on the Schedules A and B transmitted with the November 4, 1992, Semi-annual Report, have been completed during this reporting period.

Schedule A

There were no Schedule A items due or completed during the reporting period.

Schedule B

- Containment Performance Improvements

- B5-Hardened Wetwell Vent (GL 89-16)
 - Other Containment Performance Improvements

- Individual Plant Examination

- B8 - Report Submittal (IPE) (NG-92-5423)

- Long-Term Electrical Enhancements

- B15 - Electrical Fuse Control Program
 - B17 - Motor-Operated Valve Thermal Overload Upgrades

- Technical Specifications Improvement

- B27 - Long-term Enhancements (NG-92-5179, NG-92-5326)

- Computer Software Quality Assurance

- B35 - Phase 2: Development of Departmental Procedures

- B37 -Emergency Planning Zone (EPZ) Redefinition

- Shutdown Risk Management

- B39 - Phase 2: NUMARC Shutdown Risk Management Guidelines

INTEGRATED PLAN SCHEDULE

		1992	1993	1994	1995	1996	1997						
Item Number	Schedule A												
		---Cycle 12---			---Cycle 13---			---Cycle 14---			---Cycle 15---		
		R		R		R				R			
A1	•Revision to DAEC Radiation Protection Program to reflect new 10 CFR 20 Requirements	E		E	•1/1/94	E				E			
A2	•Revision to DAEC Maintenance Program to reflect new Maintenance Rule (10 CFR 50.65)	-F-		-F-		-F-				-F-		•7/10/96	
	Schedule B NRC Items	U		U		U				U			
		E		E		E				E			
	•Security System Upgrades	L		L		L				L			
B1	Security Computer System Upgrade	-		-	•6/30/93								
B2	Access Control Upgrade	-		-	•6/30/93								
	•Safety-Related MOV Operability/Testing (GL 89-10)												
B10	Phase 2: Completion of Static/Dynamic Testing	O		O		O				O			
		U		U	•6/28/94	U				U			
B11	•Verification of Seismic Adequacy of Mechanical and Electrical Equipment (USI A-46, GL 87-02)	T		T		T				T		•11/21/95 (NG-92-3961)	
B14	•Individual Plant Examination of External Events (IPEEE)(GL 88-20)	-A-		-A-		-A-				-A-		•11/21/95A (NG-92-5238)	
	Schedule B IELP Initiative Items	G		G		G				G			
		E		E		E				E			
	•Long-Term Electrical Enhancements												
B16	Instrument AC Modeling	-		-	•12/31/93								
B18	Electrical Breaker Coordination (AC and DC)	-		-	•12/31/93								
B19	480 VAC Motor Control Center Upgrades	-		-	•12/31/93*								
B20	Emergency Diesel Generator Model Enhancements	-		-						-		•12/31/95	
B21	Electrical Distribution System Model Enhancements	-		-						-		•12/31/95	

INTEGRATED PLAN SCHEDULE

B22	Electrical System Configuration Management Enhancements	- - - - -	- - - - -	- - - - -	- - - - -	•12/31/95
	•Design Basis Program					
B24	Phase 1 - ECCS and Selected Safety-Related Systems	- - - - -	- - - - -	•9/30/93		
	•Ultrasonic Examination of Reactor Vessel Beltline Region Welds	R	R		R	R
		E	E		E	E
		F	F		F	F
B28	Phase 3: Vessel Weld Examination	- - - - -	- - - - -	- - - - -	•Prior to Cycle 14	
	•Telemetry for Emergency Sirens	U	U		U Startup	U
B29	•Service Water System Enhancements	- - - - -	- - - - -	•12/31/93		
	•Service Water System Enhancements	E	E		E	E
		L	L		L	L
B31	River Water Supply Pumps	- - - - -	- - - - -	•12/31/93		
	•Scram Frequency Reduction					
B33	Turbine Electro-Hydraulic Control (EHC) System Improvements	- - - - -	- - - - -	- - - - -	•Prior to Cycle 14	
	•Long-term Instrument & Control Strategy	O	O		O	O
		U	U		U Startup	U
		T	T		T	T
B34	Instrument Setpoint Program	-A- - - - -	-A- - - - -	•12/31/93		
	•Long-Term Commitment Tracking Program	G	G		G	G
B41	Phase 2: Implementation of Plan	-E- - - - -	-E- - - - -	- - - - -	•12/31/95	
B42	•Vessel Level Instrumentation Modifications	- - - - -	- - - - -	•Prior to Cycle 13 Startup		

* Date has been changed from 12/31/95 to 12/31/93 to correct a typographical error introduced in semiannual report submittal dated November 4, 1992 (NG-92-4540)