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SUBJECT: Submits semiannual rept for "Plan for Integrated Scheduling of Plant Mods for Duane Arnold Energy Ctr," summarizing progress in implementing Schedule A & B items current as of 871030.

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Iowa Electric Light and Power Company

November 3, 1987
NG-87-3705

Dr. Thomas Murley, Director
U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 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 DAEC"
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 DAEC" (the Plan). This report summarizes our progress in implementing Schedule A and B items, identifies the changes since the last report, summarizes the reasons for schedule changes and provides updated schedules. The information is current as of October 30, 1987.

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 (IELP letter NG-87-1456 dated May 4, 1987).

Attachment 2 identifies the changes since the last report. These changes include the revision of one Schedule B commitment date and the addition of four new Schedule B items. The reasons for the Schedule B changes are stated in Attachment 3.

Updated Schedules A and B are included as Attachment 4. For each item listed, the specific implementation date is stated and reference to the NRC correspondence supporting the date is identified. When available, references to NRC correspondence are cited for IELP-initiated items listed in Schedule B.


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Dr. Thomas Murley
November 3, 1987
NG-87-3705
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Please inform us if you have any questions or comments concerning this submittal.

Very truly yours,


William C. Rothert
Manager, Nuclear Division

WCR/EFB/pjv*

Attachment: 1. Summary of Progress in Implementing Schedule A and B Items
2. Changes in Schedules
3. Summary of Reasons for Schedule Changes
4. Updated Schedules A and B

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ATTACHMENT 1

Summary of Progress in Implementing Schedule A and B Items

The following items, as listed on the Schedules A and B transmitted with the May 4, 1987 semiannual report, have been completed during this reporting period:

Schedule A

Upgrade Fire Protection Alternate Shutdown Capability (10 CFR 50.48 Appendix R)

ATWS Rule Compliance (10 CFR 50.62)

MO-1908/9 Circuit Modifications

Schedule B

Torus-to-Reactor Building Vacuum Breaker
Isolation T-Seal Modification (NG-86-4974
Response to GL 84-09)

Motor Operated Valve Program (IEB 85-03)
Bulletin Item b Program

Turbine Wheel Replacement
Replace Low Pressure "B" Rotor

Power Distribution to New Facilities

Drywell-Steam Tunnel HVAC Modifications
Phase I - Insulation and Drywell Coolers

Implement Hydrogen Water Chemistry

ATTACHMENT 2

Changes in Schedules

Changes to the Schedules fall into three categories: revised descriptions of items, revised completion dates, and addition of new items. Item descriptions are sometimes revised to better reflect the current IELP project titles.

I. ITEM DESCRIPTIONS

<u>Current Item Description</u>	<u>Revised Item Description</u>
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Schedule A

None

Schedule B

None

II. SCHEDULE CHANGES

<u>Description</u>	<u>Current Completion Date</u>	<u>Revised Completion Date</u>
<u>Schedule A</u>		
None		
<u>Schedule B</u>		
Hydrogen Water Chemistry Oxygen/Hydrogen Generator	During Cycle 10	NONE-This project is being reevaluated for economic feasibility and appropriateness

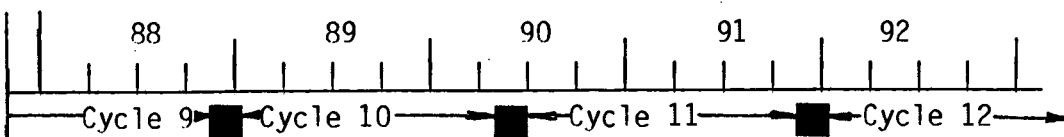
III. NEW ITEMS

<u>Description</u>	<u>Completion Date</u>
<u>Schedule A</u>	
None	
<u>Schedule B</u>	
Backup Power for TSC (as described in NG-87-3142)	November 1, 1988
Quality Enhancement Program (as described in NG-87-3491)	September 30, 1988
Surveillance Test Evaluation and Enhancement Program (as described in NG-87-2287)	Prior to Cycle 10 Startup
Generator Retaining Rings and Rewind (IELP Initiative item)	Prior to Cycle 10 Startup

ATTACHMENT 3

Summary of Reasons for Schedule Changes

<u>Item Description</u>	<u>Change</u>	<u>Reason</u>
<u>Schedule A</u>		
No schedule changes have been made at the time of this report.		
<u>Schedule B</u>		
Hydrogen Water Chemistry Oxygen/Hydrogen Generator	Moved to potential IELP Initiative Item	Hydrogen Water Chemistry was implemented during startup for cycle 9. Operating system Hydrogen and Oxygen consumption rates are below 6SCF/HR. This small consumption rate may not justify the cost of installing a Oxygen/Hydrogen Generator. This project is being reevaluated for economic feasibility and appropriateness. Until the reevaluation is complete, this project will be considered as a potential IELP initiative item.



SCHEDULE A

- No Schedule A Items

SCHEDULE B

- Improved Reactor Vessel Water Level Instrumentation
- Station Blackout Rule Compliance
- Emergency Response Capabilities (Supplement 1 to NUREG-0737)

Detailed (Supplement 1) CRDR
 Short Term Enhancements

Phase 2 Long Term Enhancements

Phase 3 Long Term Enhancements

Phase 4 Long Term Enhancements

Regulatory Guide 1.97

Upgrade 1E Power Supplies

Reroute Cable for Divisional Separation

Upgrade Instrumentation to Category I

- Motor Operated Valve Program (IEB 85-03)

Bulletin Item c and Item d Programs

Program Completion Report

• Prior to Cycle 10 Startup/NG-85-4481 to NRC

(Note 1)

• December 31, 1987/NG-86-4251

• Prior to Cycle 10 Startup/NG-86-4251

• Prior to Cycle 11 Startup/NG-86-4251

• Prior to Cycle 12
 Startup/NG-86-4151

• Prior to Cycle 10 Startup/NG-85-4481 &
 NG-85-4388 to NRC

• Prior to Cycle 10 Startup/NG-85-4481 to NRC

• Prior to Cycle 10 Startup/NG-85-4481 to NRC

• November 15, 1987/NG-86-1475

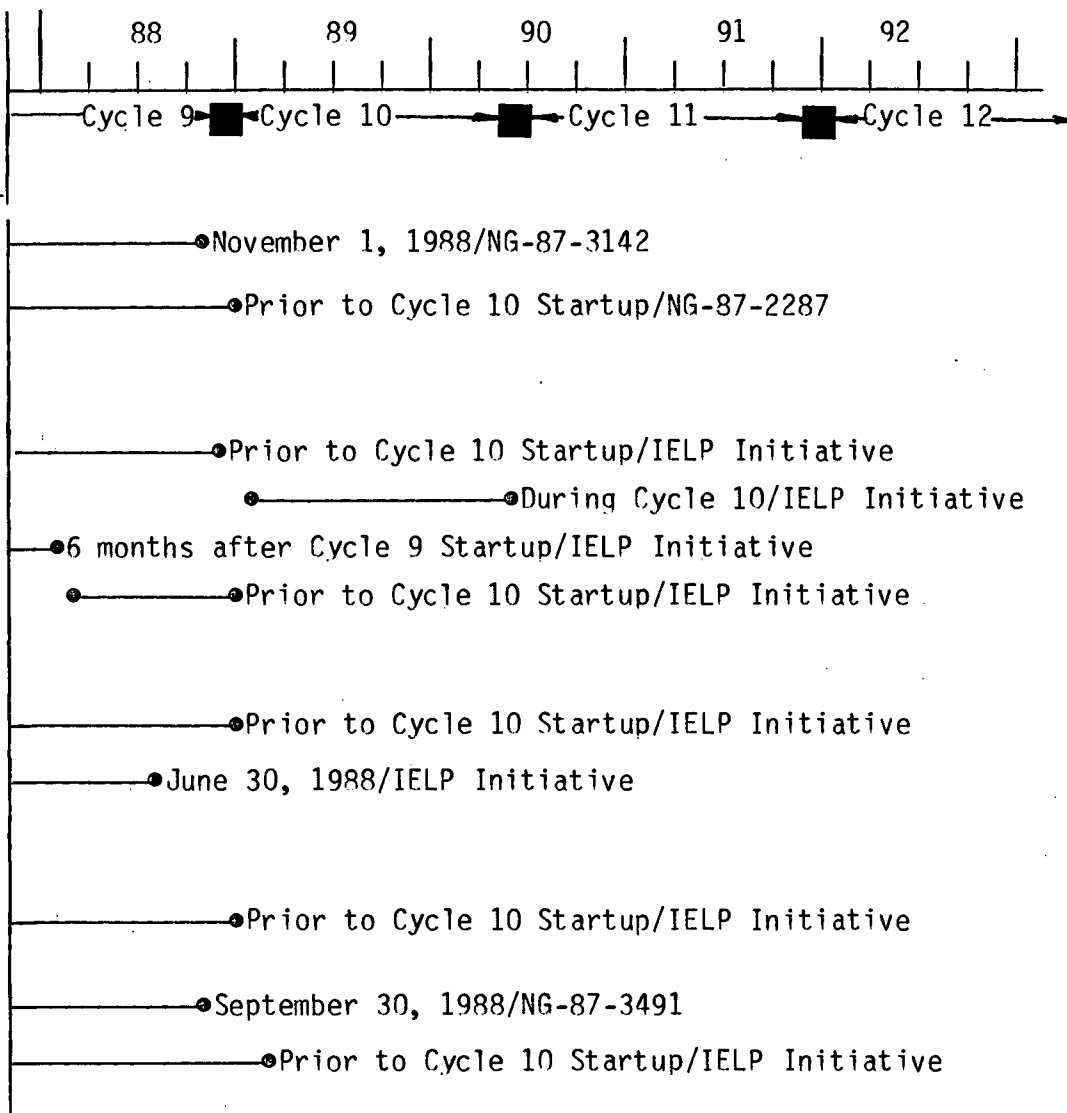
• January 15, 1988/IEB 85-03

SCHEDULE B (Continued)

- Backup Power for TSC
- Surveillance Test Evaluation and Enhancement Program

IELP Initiative Items

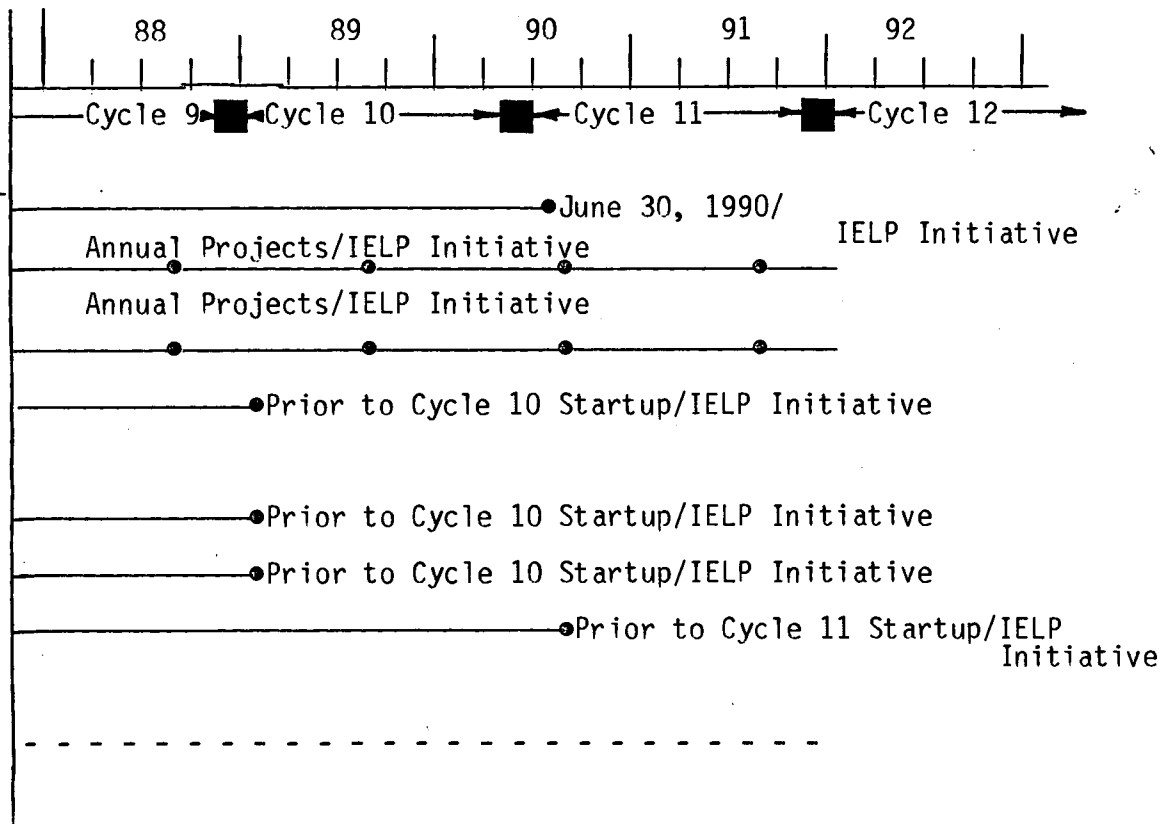
- Relocate SPDS Functions on PPC
- SPDS Enhancements
- Upgrade Plant Process Computer (PPC)
- Relocate PPC VAX Computer
- Turbine Wheel Replacement
 - Replace Low Pressure "A"
- Balance of Plant (BOP) Instrument Calibration
- Drywell-Steam Tunnel HVAC Modifications
 - PHASE II - Remaining Insulation
- Quality Enhancement Program
- Generator Retaining Rings and Rewind



SCHEDULE B (Continued)

- Training Simulator
- Fire Protection (ANI Annual Projects)
- Plant Initiated Modifications (Annual Projects)
- Increased Cooling Tower Capacity
- Post Event Reconstruction (GL 83-28 Item 1.2)
 - Upgrade Recorder Power Supplies
 - Verify Completion of Safety Injection
 - Verify Completion of Containment Isolation
- Auxiliary Power Upgrade
 Zinc Injection
 New Facilities Power Distribution
 Reliability Improvements
 Hydrogen Water Chemistry Oxygen/Hydrogen
 Generator

(Note 2)



Note 1: Schedule not yet certain, pending results of NRC rulemaking.

Note 2: Potential IELP initiative item. Schedule not yet certain.