UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

JAN 23 1986

Docket No. 50-219

LICENSEES: GPU Nuclear Corporation
Jersey Central Power and Light Company

FACILITY: Oyster Creek Nuclear Generating Station

SUBJECT: MEETING OF NOVEMBER 20, 1985, ON THE LICENSEE'S LONG RANGE PLANNING TO COMPLETE DEFERMENTS FROM THE CYCLE 11R OUTAGE

On Wednesday, November 20, 1985, a meeting was held at NRR Headquarters, Bethesda, Maryland, to discuss the long range planning by GPU Nuclear (the licensee) for the Oyster Creek Nuclear Generating Station. This meeting was held at the request of the staff. Attachment 1 is the list of the individuals attending the meeting. Attachment 2 is a copy of the material presented by the licensee at this meeting. The following is a summary of the significant items discussed and the actions taken or proposed.

In its letter dated July 26, 1985, the licensee requested deferment of 8 items from the work to be completed in the Cycle 11 Refueling (Cycle 11R) outage. This refueling outage is scheduled to begin in mid-April 1986. The preliminary outage plan estimates an outage length of 6 to 9 months which will be the second longest outage planned for the station.

In developing the outage plan, the licensee has reviewed the backlog of plant modifications and major maintenance items including commitments to NRC for modifications to be completed in the Cycle 11R outage. The outage plan shows large blocks of work which have high priority: Appendix R Fire Protection modifications, activities to enhance the ability of the plant to be less susceptible to intergranular stress corrosion cracking (IGSCC), substantial work in the control room and other modifications. The outage plan consists of 30 modification projects and a maintenance effort of over 3000 items, including 110 major activities.

To better manage the work and radiation exposure and to minimize congestion in the Control Room, Drywell and 480v Switchgear Room, the licensee has requested that 8 items be deferred from the Cycle 11R outage to either operating Cycle 11 or the Cycle 12R outage. The last page of Attachment 2 is the list of the requested deferments in the July 26, 1985, submittal from the licensee.

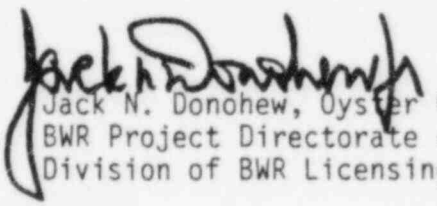
The staff requested this meeting on the licensee's long range planning for the staff to understand how the licensee would plan to complete the requested deferments in the operating Cycle 11 or the Cycle 12R outage. Attachment 2 is a copy of the material handed out by the licensee.

The Long Range Planning Program (LRPP) function in GPU Nuclear Corporation was set up in late 1984. The program objectives are stated in Attachment 2. The function reports directly to the Vice President - Technical Functions. It has periodic meetings with the Office of the President, the Vice Presidents of the Divisions, and the Board of Directors.

Commitments for work to be done at Oyster Creek require approval by the LRPP function and the plant site. Therefore, the LRPP function for Oyster Creek is involved when commitments to the staff are being made. The present LRPP for Oyster Creek shows the modifications to be done at Oyster Creek up to the end of the Cycle 11R outage. These are the modifications approved by the licensee to be done in the outage and the schedule for their implementation. These do not include the requested deferments which have been submitted to the staff. The licensee stated that any requested deferment which would have to be done in the Cycle 11R outage would probably lengthen the outage because the licensee believes the number of people estimated to be at the site for the work presently scheduled for the outage is at or near the maximum number that should be on the site for an outage.

The licensee presented slides, included in Attachment 2, of the early Oyster Creek Outage Planning. The licensee discussed the previous Cycle 10R outage (February 1983 to October 1984). The discussion was on the work originally scheduled for the outage and the present status of this work compared to the total number of 1981 NRC-licensee activities and staff mandated modifications. Some of the work orginally scheduled to be completed in the Cycle 10R outage was deferred with staff approval to the Cycle 11R outage. The licensee also presented the requested deferments from the Cycle 11R outage which it submitted in its letter to the staff dated July 26, 1985. The staff is reviewing this request and has not made its decision at this time. No action was taken or proposed.

The licensee presented the process by which an issue between the licensee and the staff is resolved and modifications, if any, are implemented and the part the LRPP plays in this process. The staff requested a chart from the licensee showing the process to resolve issues and implement needed modifications which shows the parts played by the LRPP function and the Oyster Creek Licensing and Regulatory Affairs function.



Jack N. Donohew, Oyster Creek Project Manager
BWR Project Directorate #1
Division of BWR Licensing

Attachments:
1. List of Attendees
2. Licensee Handout

cc: R. Bernero
G. Lainas
H. Kister, Region I
W. Bateman, Resident Inspector
M. Laggart, BWR Licensing Manager (GPUN)

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DISTRIBUTION

Docket	OELD
NRC PDR	EJordan
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BWD#1 RDG	JDonohew
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CJamerson	JDonohew:tm	JZwolinski
1/24/85	1/16/85	1/ /85

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ATTACHMENT 1

MEETING OF NOVEMBER 20, 1985
ON LONG RANGE PLANNING

Name	Affiliation
J. Donohew	NRC/NRR
M. Laggart	GPUN*
J. Thorpe	GPUN
P. Czaya	GPUN
E. O'Donnell	GPUN
J. Chardos	GPUN
C. Grimes	NRC/NRR
D. Crutchfield	NRC/NRR

* GPU Nuclear Corporation

ATTACHMENT 2

NOVEMBER 20TH GPUN/NRC MEETING

- CURRENT LONG RANGE PLANNING FOCUS
  - 3 CYCLE TIME PERIOD
- INTEGRATED LIVING SCHEDULE INTERFACE
- BACKGROUND/HISTORY
  - DECEMBER '81 LETTER-DEFERRALS 9R/11R
- CURRENT STATUS
  - 11R NRR SCOPE
  - JULY 26, 1985 LETTER 11R/12R

GPUN LONG RANGE PLANNING
PROGRAM OBJECTIVES

- PROVIDE CENTRALIZED COORDINATION OF PLANT AND SUPPORT DIVISION PLANNING INTERFACES AND ACTIVITIES

- PROVIDE BASIS FOR TOTAL PLANT LIFE CYCLE PERFORMANCE AND RESOURCE REQUIREMENT PROJECTIONS

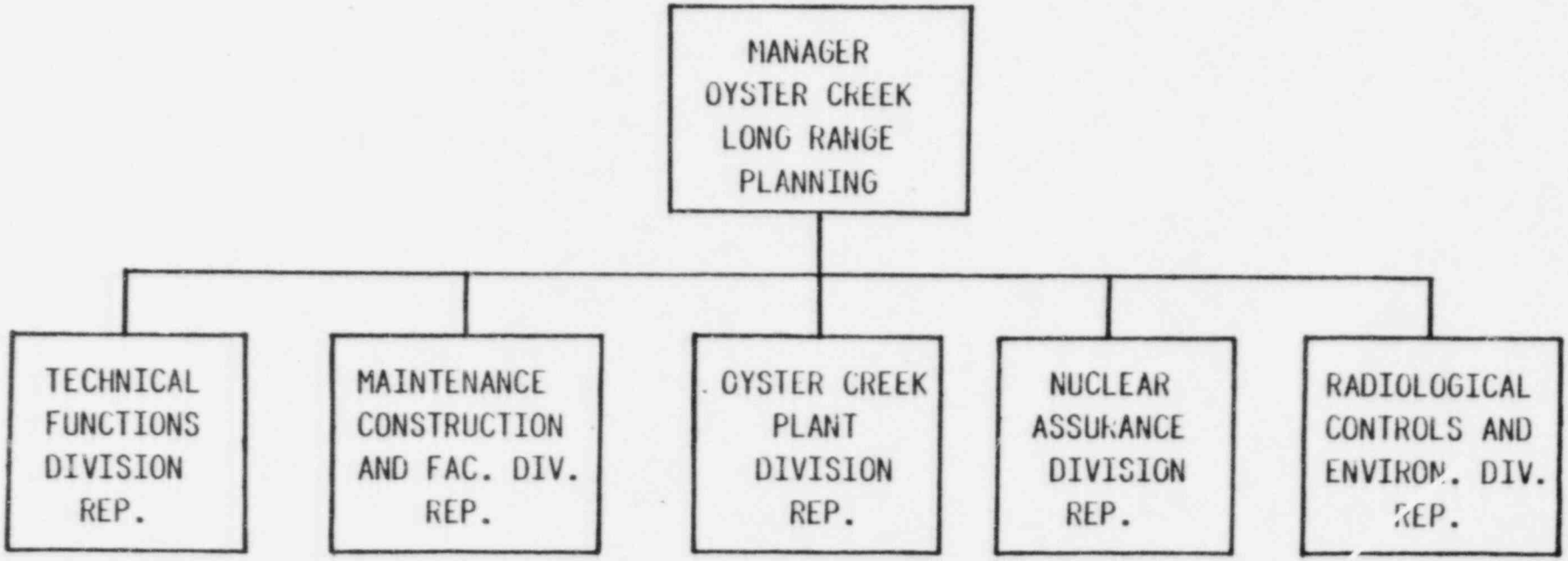
- MANAGE LONG RANGE STRATEGIC PROGRAMS AND STUDIES (E.G., LIFE EXTENSION)

- IDENTIFY, PLAN AND CONTROL WORKSCOPE FOR FUTURE OPERATING/OUTAGE CYCLES ($\sim$ 5 YEARS AHEAD)

- DEVELOP INTEGRATED LIVING SCHEDULE (ILS) PROGRAM CONCEPT

LONG RANGE PLANNING GROUP

ORGANIZATION



ILS PROGRAM ELEMENTS

- o WORK TASK IDENTIFICATION
  - REGULATORY MODIFICATIONS
  - PLANT IMPROVEMENT MODIFICATIONS

- o TASK SCORING AND PRIORITIZATION
  - NUCLEAR SAFETY
  - OCCUPATIONAL SAFETY
  - PLANT AVAILABILITY
  - QUALITY OF OPERATIONS
  - ENVIRONMENTAL PROTECTION
  - ECONOMIC IMPACT

- o RESOURCES CONSTRAINTS
  - BUDGET
  - MANPOWER RESOURCES
  - OUTAGE DURATION

- o PLANNING AND SCHEDULING

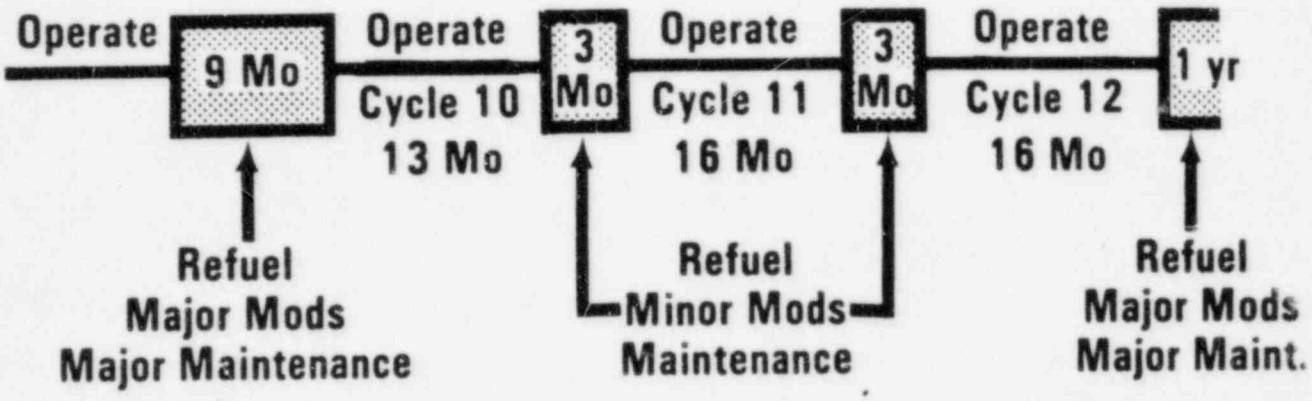
- o INTERACTION WITH NRC
  - INITIAL PROGRAM PLAN AND PROCESS
  - PERIODIC STATUS REPORTING AND UPDATING

LONG RANGE PLANNING/INTEGRATED LIVING

SCHEDULE MILESTONES

10/84	-	OYSTER CREEK LRP GROUP FORMED
5/85	-	1ST ISSUE O.C. LONG RANGE PLAN
5/85	-	TMI-1 LRP GROUP FORMED
11/85	-	1ST ISSUE TMI-1 LONG RANGE PLAN
11/85	-	CONSULTANT'S REPORT ON LRP/ILS PROCESS
12/85	-	INITIAL NRC DISCUSSIONS ON O.C. ILS PROGRAM
1ST Q/86	-	SUBMITTAL OF DRAFT O.C. ILS PLAN
3/86	-	INITIAL NRC DISCUSSIONS ON TMI-1 ILS PROGRAM
2ND Q/86	-	SUBMITTAL OF DRAFT TMI-1 ILS PLAN

Early Oyster Creek Station Outage Planning



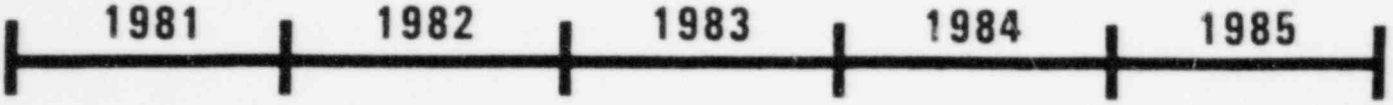
Major Plant Maintanence Items	=	5
Company Safety and Operational Items	=	107
NRC Req'd Modification	=	35
Plant Maintenance/Insp./Upgrades	=	103
Plant/Outage Support Items	=	24
Total		274

Early Oyster Creek Outage Planning

- Considerations
  - manpower excessive and unmanageable
  - security probably could not be maintained
  - excessive ALARA growth uncertainty
  - adequate skilled manpower probably not obtainable
    - crafts, radcon, supervision
  - engineering not available for total outage scope
  - training time/planning inadequate for selected modifications
  - site support facilities marginal

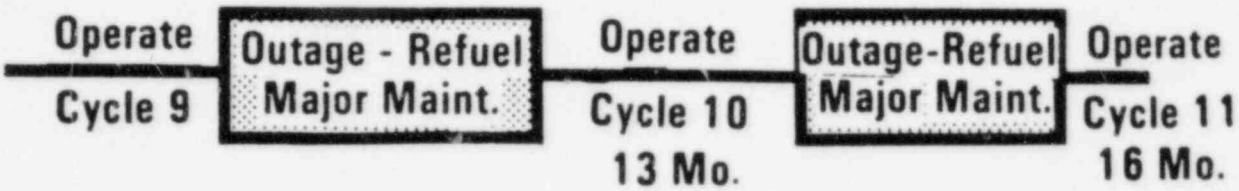
- Conclusions
  - unmanageable and unsafe as planned
  - revise next several years operating/outage schedules
  - reduce 1982 outage scope

Revised Oyster Creek Outage Planning



Outage planning changes:

1. Extend 1982 outage length to ~14 months
2. Increase 1984 outage length to ~8-9 months
3. Redistribute workload between 1982 and 1984 outage



• Major Modifications	- Torus - new cable spread room - turbine inspec	- spray sparger - computer, bldg.
• NRC required modifications/ major maint.	168	77
• Other Plant modifications including major maint.	15	9
Total	186	88

OYSTER CREEK STATION
REGULATORY REQUIRED MODIFICATIONS

1983/84 1986

MODIFICATION	SOURCE	CURRENTLY PLANNED COMPLETION 1982 OUTAGE	1984 OUTAGE
Control of Heavy Loads	NUREG 0612	X	
Torus Temperature Instrument	NUREG 0661		X
Plant Computer & Emergency Response Facility Data System	NUREG 0696		X
NUREG 0696 Emergency Response Facilities	NUREG 0696		X
Offsite Emergency Support Center	NUREG 0696	X	
RCS Vent on Isolation Condenser	NUREG 0737		X
Containment Press H20 Level & H2/02 Monitor System	NUREG 0737	X	
Relief & Safety Valve Position Indication	NUREG 0737		X
Radioactive Gaseous Effluent Monitoring System	NUREG 0737	X	
Radioactive Gaseous Monitor System Turbine System	NUREG 0737	X	
Core Spray Restart Capability	NUREG 0737	X	
Cont. High Range Radiation Monitor	NUREG 0737		X

COMPLETE

COMPLETE

COMPLETE

COMPLETE

COMPLETE

COMPLETE

OYSTER CREEK STATION
REGULATORY REQUIRED MODIFICATIONS (CONTINUED)

1983/84 → 1986

MODIFICATION	SOURCE	CURRENTLY PLANNED COMPLETION	
		1982 OUTAGE	1984 OUTAGE
Recirc. Valves Interlock Mod.	NUREG 0737		X
SBGTS Additional Filter Train Connections	NUREG 0737	X	
Radiation Signals Purge & Vent Valves	NUREG 0737		X
Containment Vent & Purge System Upgrade	NUREG 0737		X
Post Accident Sampling System	NUREG 0737		X
AOG Ventilation Exhaust Radiation Monitor Upgrade	NUREG 0737	X	
Seismic Support CRD Piping	NUREG 0803	X	
Torus Modifications (5)	NRC ORDERS	X	
Isolation Condenser Pipe Break Monitor	NRC LETTERS	X	
Fuel Pool Filter Pump Overload Heater MOD.	NRC LETTERS	X	
Rx Protection Motor Generator Sets 1.1 & 1.2	NRC LETTERS		X
125VDC System Upgrade Phase 3	NRC LETTERS		X

RESOLVED

RESOLVED

RESOLVED

CYCLE 10R/11R/11

RESOLVED

COMPLETE

OYSTER CREEK STATION
REGULATORY REQUIRED MODIFICATION (CONTINUED)

1983/84 1986

MODIFICATION	SOURCE	CURRENTLY PLANNED COMPLETION 1982 OUTAGE	1984 OUTAGE
Scram Discharge Volume MOD.	NRC LETTERS	X	
SEP Environ. Qual. Safety Related ELEC EQUIP.	SYSTEMATIC EVALUATION PROGRAM		X
Rx Protection System Analog Upgrade	SYSTEMATIC EVALUATION PROGRAM		X
Anchor & Supt. of Safety Rel Elect. Equip.	SYSTEMATIC EVALUATION PROGRAM		X
Vital Instrument Panel Power Supply Separation	IE BULLETIN 79-27	X	
Masonary Wall MODS	IE BULLETIN 80-11	X	
Liquid Poison Fuse Coordination	IE CIRCULAR 77-09	X	
Torus Room Water Tight Door Alarm	LER	X	
ECCS System Improvement MODS - Sparger	OC License		X
Remote Shutdown Panel	10CFR50 Appendix R		X
Containment Leak Rate Test	10CFR50 Appendix J	X	
	Total	18	17

COMPLETE

CYCLE 11R

CYCLE 10R/11R/11

COMPLETE

CYCLE 10

COMPLETE

1981 REGULATORY REQUIRED MODIFICATION PLANNING

STATUS

TOTAL 1981 NRC ACTIVITIES	-	35
ACTUAL 10R (1982)	-	19
COMPLETE/RESOLVED BY END OF 10R	-	15
COMPLETE/RESOLVED BY END OF 11R	-	17
ACTUAL 11R (1984)	-	16
COMPLETE/RESOLVED BY END OF 11R	-	14
OVERALL COMPLETE BY END OF 11R	-	31

1981 REGULATORY REQUIRED MODIFICATION PLANNING

SUMMARY

		COMPLETE BY END OF				
	SCOPE	C 10R	C 10	C 11R	C 11	C 12R
10R	19	15	1	1	2	
11R	16	-	5	9•	1	1

• INCLUDES 3 PROPOSED CANCELLATIONS

- ISO. CONDENSER VENTS
- CONT. VENT & PURGE
- RADIATION SIGNALS VENT & PURGE VALVES

ADDITIONAL 11R ACTIVITIES

REGULATORY DRIVEN/REQUIRED

- I.E. BULLETIN 84-11 INSPECTIONS
- IHSI/H_2WC
  - IHSI - 123 WELDS
  - H_2WC - CYCLE 10 TEST
- CONTROL ROOM HUMAN FACTORS
  - PANEL PAINTING/DEMARCATION
  - RECORDER REPLACEMENT

11R SCOPE SUMMARY

CATEGORY	NO. OF JOBS	NO. OF JOBS IN CONTROL ROOM	NO. OF JOBS IN DRYWELL	REGULATORY REQUIRED
CAPITAL	32	10	6	14
O&M	62	4	25	6
INSPECTIONS	37	0	6	5
FUNCTIONAL MAINTENANCE	3000	-	-	-

NRC DEFERMENTS

1. SAFETY PARAMETER DISPLAY SYSTEM (SPDS) SOFTWARE - NUREG 0737

2. ISOLATION CONDENSER MAKE-UP PUMP - SEP

3. INTAKE CANAL LEVEL INSTRUMENTATION - SEP

4. MASONRY WALLS - IE BULLETIN 80-11

5. TORUS ATTACHED PIPING SUPPORTS - MARK 1 PROGRAM

6. TORUS BULK TEMPERATURE INDICATION - NUREG 0661/0783

7. THERMAL-OVERLOAD PROTECTION OF MOTOR OPERATED VALVES - SEP

8. AIRBORNE PARTICULATE AND GASEOUS RADIOACTIVITY MONITORS - SEP

9. FW NOZZLE EXTERNAL UT INSPECTION - NUREG 0619