

ENCLOSURE

MEETING SUMMARY

Licensee: Carolina Power and Light Company

Facility: Shearon Harris Nuclear Plant

Docket No.: 50-400

Subject: Initial Operator Licensing Examinations

On July 23, 1985, representatives of Carolina Power and Light Company (CP&L) met with NRC Region II personnel in Atlanta, Georgia, to discuss CP&L's upcoming examinations for the initial licensed operator cadre at the Shearon Harris Nuclear Plant. The meeting was held at the request of the NRC. The attendance list is attached as Attachment A to this Summary.

Mr. A. C. Tollinson coordinated the CP&L presentation. The highlights of this presentation included: construction schedule overview and fuel load projection; training program status and schedules; synopsis of licensee candidate qualifications; and status of plant reference materials, to include simulator delivery schedule. The briefing vu-graphs are enclosed as Attachment B and provide a more detailed description of the presentation.

Upon completion of the CP&L presentation, Mr. B. A. Wilson, Chief, Operator Licensing Section, addressed the need for contingency plans concerning the initial licensing exams. Commission and Region II policy was stated as being to give initial examinations as close as possible to actual fuel load, while ensuring that this did not adversely delay licensing activities. While current schedule projections support March 1986, as a reasonable fuel load projection, experience suggests the possibility of slippage. Based upon when such slippage is discovered and the extent of such slippage, the Commission reserves the right to adjust both the schedule and scope of the initial licensing exams. Attachment C summarizes the contingency plans identified by the Region II staff; schedule variations beyond those identified will require further modifications.


Kenneth E. Brockman, Reactor Engineer

8-6-85
Date

Attachments:

- A. Attendance List
- B. Presentation Vu-Graphs
- C. Contingency Plans

8508130144 850807
PDR ADOCK 05000400
V PDR

ATTACHMENT A

ATTENDANCE LIST

NRC Personnel

<u>Name</u>	<u>Position</u>
Bruce Wilson	Section Chief, Operator Licensing Section
Ken Brockman	Principal Examiner
Paul Fredrickson	Section Chief, Projects Section 1C

CP&L Personnel

<u>Name</u>	<u>Position</u>
Howard Smith	Director, Nuclear and Simulator Training
Wayne Powell	Director, Training - Harris
Gregg A. Sindors	Senior Licensing Engineer
Jim Willis	Plant General Manager, SHNPP
Fred Tollison	Manager, Nuclear Training

ATTACHMENT B

7-23-85

NRC/CP&L MEETING

I. PURPOSE	ACT
II. SCHEDULE OVERVIEW	ACT
III. FUEL LOAD DATE	JLW
IV. TRAINING STATUS AND SCHEDULE	ACT
V. PRELICENSE REVIEW COURSE	ACT
VI. LICENSE CANDIDATES	ACT
VII. STATUS OF REFERENCE MATERIAL	AWP
VIII. DISCUSSION	ALL

PURPOSE

TO DISCUSS PLANS FOR OPERATOR LICENSING EXAMINATIONS FOR
SHNPP COLD LICENSE CANDIDATES.

SCHEDULE OVERVIEW

- FUEL LOAD DATE MARCH 11
- EXAM DATES NOVEMBER 4
JANUARY 20
- SIMULATOR RFT NOVEMBER 18

TRAINING STATUS AND SCHEDULE

- TRAINING SCHEDULE (CHART)
- SIMULATOR SCHEDULE (CHART)
- CONCLUSIONS AND PROPOSAL
 - CANDIDATES HAVE BEEN PROPERLY AND ADEQUATELY TRAINED TO OPERATE THE PLANT. TIME ON NEW SIMULATOR NOT ESSENTIAL TO SAFE OPERATION.
 - CANDIDATES SHOULD TAKE EXAMS AS SCHEDULED (NOV., JAN.), INDEPENDENT OF FUEL LOAD DATE
 - MORALE
 - AVAILABILITY FOR START-UP PROGRAM
 - ENTER REQUALIFICATION EARLY
 - WITH FUEL LOAD DATE OF MARCH 1986, NOV. AND JAN. CANDIDATES NOT BE EXAMINED ON SIMULATOR
 - MAY 1986 CANDIDATES (DEFERRALS AND MAKEUPS) RECEIVE SIMULATOR EXAM
 - NOV. AND JAN. CANDIDATES ARE FORECASTED TO RECEIVE TRAINING ON NEW SIMULATOR BY MARCH, SUBJECT TO SIMULATOR AND OPERATOR AVAILABILITY
 - ALL LICENSED PERSONNEL WILL RECEIVE ANNUAL SIMULATOR TRAINING AS PART OF REQUALIFICATION PROGRAM WHICH BEGINS WITH INITIAL LICENSING

PRELICENSE REVIEW COURSE

- FSAR, SECTION 13.2
- ABOUT FOUR WEEKS IN DURATION
- SUBJECTS TO INCLUDE "SIMULATOR REVIEW"
- FSAR CHANGE WILL BE PROCESSED TO DELETE THIS SUBJECT

LICENSE CANDIDATES

- DISTRIBUTION

	<u>RO</u>	<u>SRO</u>
MANAGERS AND SUPERVISORS (3)		3
SHIFT FOREMAN (6)		6
STA (9)		9
SCO-IN-TRAINING (12)		12
CO-IN-TRAINING (37)	8	29
INSTRUCTORS (4)		4
TECH. SUPP./REG. COMP. (3)	-	<u>3</u>
TOTAL (74)	8	66

- NOV. (41)
- JAN. (33)

- SCREENING

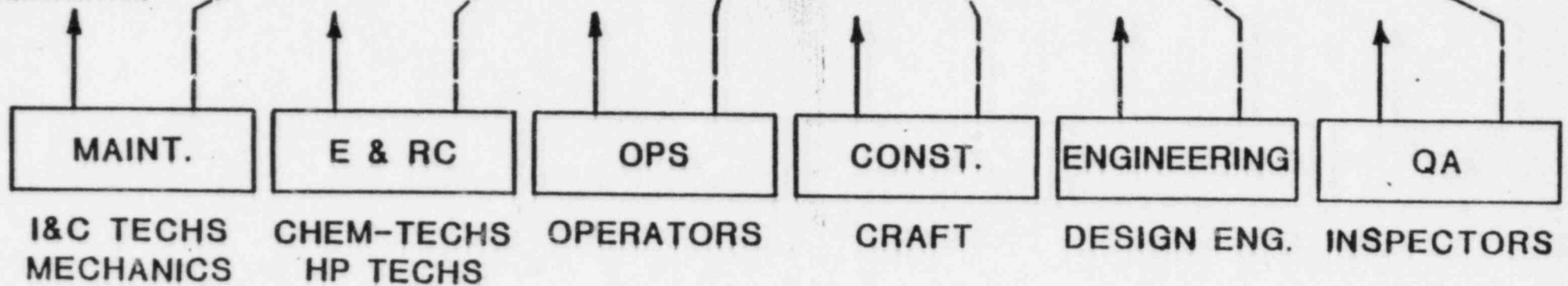
-- REVIEW AND AUDIT COURSE AND PRELICENSE REVIEW COURSE WILL
BE USED AS FINAL SCREEN FOR SRO, RO, DEFERRALS

-- TOTAL CANDIDATES AND SRO CANDIDATES ARE MAXIMUM NUMBERS

TOTAL STARTUP TEAM

STARTUP

LINE
ORGANIZATION



HARRIS NUCLEAR PROJECT
READINESS FOR OPERATIONS

HPOS STAFFING
(As of July 17, 1985)

PERMANENT PLANT

AUTHORIZED SLOTS	439
ACTUALLY FILLED	412
OFFERS OUTSTANDING	<u>7</u>
<u>SUBTOTAL</u>	419

SUPPLEMENTAL STAFFING

CP&L TRAVELING MAINTENANCE CREW	30
MAINTENANCE SUPPORT CONTRACTORS	80
SU SUPPORT CONTRACTORS	<u>27</u>
<u>SUBTOTAL</u>	137
<u>TOTAL</u>	556

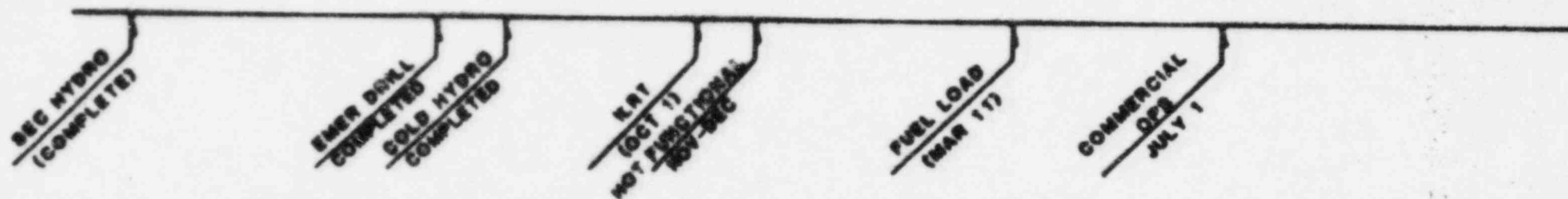
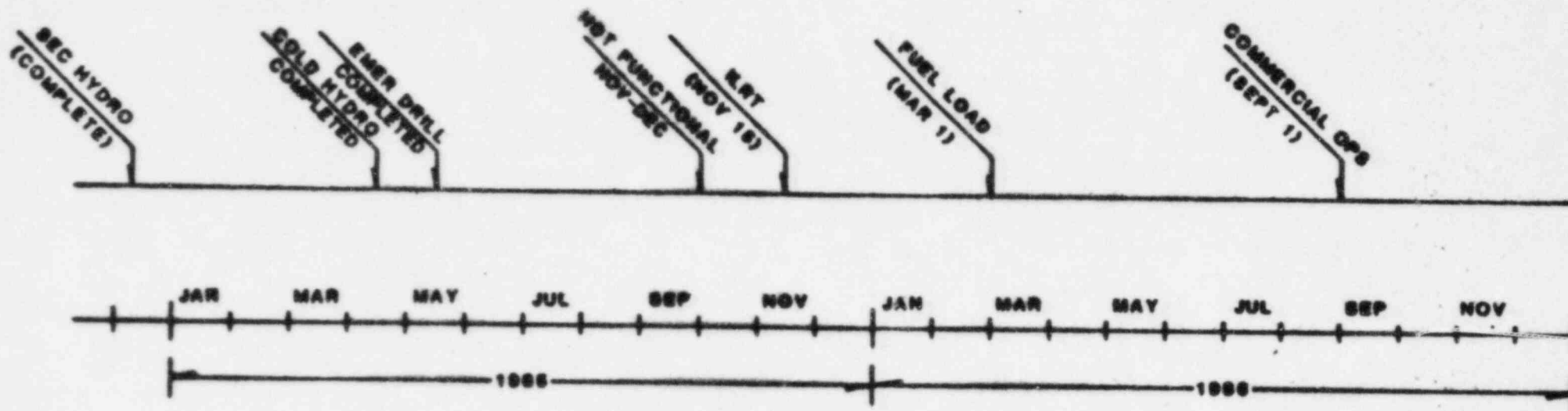
HARRIS NUCLEAR PROJECT
READINESS FOR OPERATIONS

KEY MILESTONES

- STEAM GENERATOR FILL AND HYDROSTATIC TEST - COMPLETED DECEMBER 84
- EMERGENCY PREPAREDNESS APPRAISAL BY NRC - COMPLETED MARCH AND APRIL, 1985
- EMERGENCY DRILL - COMPLETED MAY 17-18
- INPO NTOL ASSIST. VISIT - COMPLETED JUNE 17-28
- PRIMARY PLANT COLD HYDROSTATIC TEST - COMPLETED JUNE 20
- HOT FUNCTIONAL TESTS - NOVEMBER - DECEMBER 1985
- OPERATOR LICENSE EXAMS - START NOVEMBER 1985

MILESTONE SCHEDULE

MANAGEMENT TARGET SCHEDULE



CURRENT PROJECTIONS

PLANT STATUS

I. CONSTRUCTION % COMPLETE 92%

II. RFT STATUS

TOTAL RFTs	1303
ACCEPTED BY START UP 7/12/85	790

III. FST STATUS

TOTAL FSTs	326
ACCEPTED BY START UP	61

HARRIS NUCLEAR PROJECT
READINESS FOR OPERATIONS

COMPLETION SUMMARY

CONSTRUCTION	92%
TESTING	47%
STAFFING	95%
TRAINING	86%
PROCEDURES	72% (95%)

HARRIS NUCLEAR PROJECT
READINESS FOR OPERATIONS

HPOS STAFFING
(As of JULY 17, 1985)

PERMANENT PLANT

AUTHORIZED SLOTS	439
ACTUALLY FILLED	412
OFFERS OUTSTANDING	<u>7</u>
<u>SUBTOTAL</u>	419

SUPPLEMENTAL STAFFING

CP&L TRAVELING MAINTENANCE CREW	30
MAINTENANCE SUPPORT CONTRACTORS	80
SU SUPPORT CONTRACTORS	<u>27</u>
<u>SUBTOTAL</u>	137
<u>TOTAL</u>	556

INFO EVALUATION SUMMARY

SIGNIFICANT CONCLUSIONS

- **PROGRAMS WELL DEVELOPED AND COMPLETE FOR STAGE OF CONSTRUCTION**
- **OPERATIONS WILL BE READY TO SUPPORT PLANT OPERATIONS ON SCHEDULE**
- **PERSONNEL KNOWLEDGEABLE AND MOTIVATED TO DO WELL**
- **INVOLVEMENT IN STARTUP PROGRAM A PLUS**
- **SEVERAL RECOMMENDATIONS FOR IMPROVEMENTS NEEDED TO ACHIEVE EXCELLENCE IN OPERATIONS**

ATTACHMENT C

CONTINGENCY PLANS

<u>Exam Date</u>	<u>Scope</u>	<u>Fuel Load Date</u>	<u>Final Decision Date</u>
November 4-15, 1985	40 Candidates Written Oral	March 1986 - June 1986	September 30, 1985
January 1986	30 Candidates Written Oral	March 1986 - June 1986	November 30, 1985
May 1986	?? Candidates (Retest) Written Oral Simulator	March 1986 - June 1986	March 31, 1986

NOTE: Any slippage in fuel load beyond June 30, 1986, will require reconsideration of both the schedule and scope of each individual examination. Such decisions will be made no later than the final decision date for each exam.