

ENCLOSURE 1

EXAMINATION REPORT - 50-348/OL-85-02

Facility Licensee: Alabama Power Company
600 North 18th St.
Birmingham, AL 35291

Facility Name: Farley Nuclear Plant

Facility Docket No.: 50-348

Written, simulator and oral examinations were administered at Farley near Ashford, Alabama.

Chief Examiner:	<u>William G. Douglas</u>	<u>9/5/85</u>
	William G. Douglas	Date Signed
Approved by:	<u>Bruce A. Wilson</u>	<u>9/12/85</u>
	Bruce A. Wilson, Section Chief	Date Signed

Summary:

Examinations on August 5 - 8, 1985

Written, oral and simulator examinations were administered to ten RO candidates; six of whom passed all three examinations.

Written, oral and simulator examinations were administered to three SRO candidates; one of whom passed all three examinations.

Oral and simulator examinations were administered to one SRO candidate who passed both examinations.

Simulator retakes were administered to two SRO candidates; neither of whom passed the simulator examination.

REPORT DETAILS

1. Facility Employees Contacted:

- *J. D. Woodard, Plant Manager
- *W. B. Shipman, Asst. Plant Manager
- *R. D. Hill, Operations Superintendent
- *L. S. Williams, Site Training Director
- *R. Wiggins, Training Supervisor
- *R. Vanderbye, Instructor
- *C. McLean, Instructor
- *B. Bradford, NRC Senior Resident Inspector

*Attended Exit Meeting

2. Examiners:

- *W. G. Douglas, NRC
- W. M. Dean, NRC
- P. V. Doyle, NRC
- W. Hemming, EG&G
- R. Picker, EG&G

*Chief Examiner

3. Examination Review Meeting

Prior to the Exit Meeting, the examiners met with Lee Williams and Randy Wiggins to review the written examination and answer key. The following comments were made by the facility reviewers:

a. SRO Exam

(1) Question 5.12

Facility Comment:

The possible answers relate subcooling margin to T_{avg} vice T_{hot} ; therefore, no correct answer exists.

NRC Resolution:

Agree with comment. Question deleted.

(2) Question 6.08

Facility Comment:

Possible answers contain two correct responses to the design basis of containment spray.

NRC Resolution:

Two separate segments in the same facility training document disagree on whether preventing containment design pressure from being exceeded after a LOCA is a design basis or not. Will accept answers "a" or "b" for this question, but facility should correct this discrepancy between page 1 and page 6 of FNP-SD, "Containment Spray".

(3) Question 6.19

Facility Comment:

Correct answer should be "d" vice "c".

NRC Resolution:

Agree. Answer key will be so modified, as verified by page 19 of FNP-SD, "EDG Sequencers".

(4) Question 6.20(c)

Facility Comment:

Correct answer should be "ARM only" vice "Arm and actuate"

NRC Resolution:

Agree. Answer key to be so modified. Verified in FNP-SD, "Steam Dump System" pp 23-28.

(5) Question 6.27

Facility Comment:

Question asks for in-depth knowledge of interlocks associated with a breaker which is rarely used and whose operation is expressly covered in its operating procedure. Question should be deleted.

NRC Resolution:

Breaker operation was expressly dealt with in facility training material, but in light of the highly infrequent operation and the minor loads associated with this breaker, question is deleted.

(6) Question 7.05

Facility Comment:

Question requires candidate to memorize the ordering of some unrelated subsequent actions in an emergency procedure and should be deleted, or several possible answers allowed.

NRC Resolution:

Agree with facility comment in that some of the actions in the procedure would not logically occur before/after other listed actions. Question deleted.

(7) Question 7.17

Facility Comment:

Question asks candidate to reproduce a critical safety function curve whose parameters are usually interpreted by the SRO in an accident condition, but not committed to memory.

NRC Resolution:

Although the function of the curve and its importance to reactor safety are vital knowledge, agree with facility comment that committing specific parameters and curve regions to memory is not appropriate for senior operators. Question deleted.

(8) Question 8.18(a)

Facility Comment:

Answer key should read "True" vice "False".

NRC Resolution:

Agree. Answer key so modified. Verified in TS pp. 3/4.0-1/2.

(9) Question 8.23(b)

Facility Comment:

Determining the answer requires memorization of a T/S table.

NRC Resolution:

T/S 3.4.7.2 contains a full page table for RCS leakage limits for specific valves and should not be committed to memory. Question deleted.

(10) Question 8.30

Facility Comment:

The P-12 basis listed in Technical Specifications for Minimum Temperature for Criticality does not apply to Farley as their P-12 setpoint is 2° above the MTC.

NRC Resolution:

Agree. Answer key modified to delete this as a required part of the answer; even though their generic Tech Spec's list this as a basis for the MTC limit, verified P-12 setpoint in FNP SD, "Tavg, Pimp and Delta T".

b. RO Exam

(1) Question 1.1 - See SRO 5.12

(2) Question 2.07 - See SRO 6.08

(3) Question 2.10 - See SRO 6.19

(4) Question 3.03

Facility Comment:

P-10 is not an "interlock" for the Source Range Trip and should not be required as an answer.

NRC Resolution:

Agree. Answer key so modified.

(5) Question 3.10

Facility Comment:

No answer is listed in the answer key.

NRC Resolution:

The correct answer was inadvertently omitted and will be inserted as stated in FNP-SD "Diesel Generators" pp 28/29.

(6) Question 3.23(c) - See SRO 6.20(c)

(7) Question 4.11 - See SRO 7.05

(8) Question 4.16(b) - See SRO 8.23(b)

4. Exit Meeting

At the conclusion of the site visit, the examiners met with representatives of the plant staff to discuss the results of the examination. Those individuals who clearly passed the oral examination were identified.

The NRC examiners' expressed concern over the facility's continued poor performance on simulator exams and the facility demonstrated a high degree of interest in alleviating this situation and obtaining any insights into what they can do to help their candidates improve.

The examiners noted inconsistent use of Abnormal Operating Procedures (AOPs) among the candidates and stressed that use of AOPs is important in correctly analyzing and recovering from abnormal conditions.

The cooperation given to the examiners and the effort to ensure an atmosphere in the control room conducive to oral examinations was also noted and appreciated.

The licensee did not identify as proprietary any of the material provided to or reviewed by the examiners.