

Docket Nos. 50-269 ←  
 50-270  
 and 50-287

JUL 29 1972

R. C. DeYoung, Assistant Director for Pressurized Water Reactors, Licensing  
 THRU: A. Schwencer, Chief, Pressurized Water Reactors Branch No. 4, L

SITE VISIT TO DUKE POWER COMPANY OCONEE NUCLEAR STATION - JULY 12 & 13, 1972

Enclosed is a report of the site visit made to the Oconee Nuclear Station on July 12 and 13, 1972 for the purpose of discussing crew size and other review matters. Also enclosed are an agenda and attendance list and a copy of Van Niel's trip report to files dated July 19, 1972.

Original Signed by  
 Irving A. Peltier

I. A. Peltier, Project Manager  
 Pressurized Water Reactors Branch No. 4  
 Directorate of Licensing

Enclosures:

1. Meeting Summary
2. Agenda
3. Attendance List
4. Van Niel's Report dtd 7/19/72

cc w/encls:

- R. S. Boyd
- D. Skovholt
- D. Knuth
- R. Maccary
- R. Tedesco
- H. Denton
- PWR Branch Chiefs
- R. W. Klecker
- M. Rosen
- RO (3)
- I. A. Peltier (2)
- V. H. Wilson (2)
- M. Hildreth
- C. R. Van Niel
- C. E. Murphy (RO:II)

DISTRIBUTION  
 Docket (3)  
 PWR-4 Reading  
 RP Reading

OFFICE ▶	L:PWR-4	L:PWR-4			
SURNAME ▶	IAPeltier:emp	ASchwencer			
DATE ▶	7/19/72	7/19/72			

ENCLOSURE I

REPORT OF SITE VISIT TO OCONEE NUCLEAR STATION - JULY 12 & 13, 1972

OPERATING LICENSE REVIEW

Summary

1. Crew Size:

Based upon the information received at this meeting and our internal guidance, Duke will be given a letter stating our position on the crew size for 2 and 3 unit operation.

2. Licensing of Assistant Control Operator:

Duke was unwilling to commit a third licensed operator to the Oconee 1 startup until AEC committed to giving licensing exams, both oral and written in December 1972 and oral in January 1973. For the July 26, 1972 amendment to the FSAR the tech specs would not be changed to include such a commitment on Duke's part but we would arrange with OR for the required exams to be given. By telephone call (subsequent to the meeting) on July 14, 1972, Duke was requested to write a letter requesting the required exams. Pending resolution of this matter we will change the technical specification as the situation warrants to require the three licensed operators for Unit 1 startup.

3. Units 2/3 Review of FSAR (Section 12):

Van Niel (OR) reviewed his concerns regarding Duke's response to the first round questions on Section 12 of the FSAR, "Conduct of Operations". The purpose of this review was to avoid second round questions. All matters are or will be satisfactorily resolved in the next amendment (July 26, 1972).

4. Radioactive Effluents Tech Spec:

Close agreement was reached on the modification of the Oconee 1 tech specs to conform to proposed Appendix I requirements. A few technical items outstanding at the meeting were resolved by subsequent telecon on July 14, 1972 between Duke and Joe Graf of the Radiological Assessment Branch. Duke will submit the revised Radioactive Effluents tech spec in its July 26, 1972 amendment.

5. Administrative Controls Tech Spec:

The redraft of the Administrative Controls Tech spec presented by Duke was compared to ANS 3.2, Safety Guides 16 and 21 and found to be acceptable. Duke will submit the revision with its July 26, 1972 amendment.

6. Industrial Security Plan:

Van Niel toured the site to view areas of importance to the Industrial Security Plan. We confirmed our intent that this plan be in the record before Unit 1 is licensed and reviewed and approved by us prior to Unit 2 licensing. Duke will informally provide a draft for our preliminary review. Because of the late date some allowance for implementation of the plan will need to be made at the time of licensing the Units 1 and 2.

7. Schedules:

Duke plans to submit a Units 2/3 review (including references to topical reports) and a Unit 1 tech spec amendment on July 26, 1972. A further amendment providing replacement pages in the tech specs for Units 1 and 2 operation and Units 1, 2 and 3 operation will be submitted prior to the end of August. Our goal is to approve Unit 1 Tech Specs by August 30, 1972 and Units 2/3 Tech Specs by October 30, 1972.

ENCLOSURE II

AGENDA

SITE VISIT TO OCONEE NUCLEAR STATION - JULY 12 & 13, 1972 - OPERATING  
LICENSE REVIEW

July 12, 1972 MEETING

1. Crew Size
  - a. Control Room Design and Layout Philosophy  
O. S. Bradham
  - b. Tour of Control Room  
M. D. McIntosh, G. W. Cage and O. S. Bradham
  - c. Demonstration of Loss of Control Room Emergency Procedure  
M. D. McIntosh
2. Licensing of Assistant Control Operation for Unit 2

July 13, 1972 MEETING

3. Units 2/3 Review of FSAR Section 12
4. Radioactive Effluents Tech Spec
5. Administrative Controls Tech Spec
6. Industrial Security Plan
7. Schedules

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ENCLOSURE III

ATTENDANCE LIST

SITE VISIT TO OCONEE NUCLEAR STATION - JULY 12 & 13, 1972  
OPERATING LICENSE REVIEW

July 12, 1972

Duke Power Company

R. James Ansell  
M. D. McIntosh (Station)  
O. S. Bradham (Station)  
T. E. Holland  
G. W. Cage (Station)  
P. H. Barton  
S. E. Nabow  
J. Ed. Smith (Station)  
J. W. Hampton (Station)  
K. S. Canady

AEC/Licensing

I. A. Peltier  
C. R. Van Niel

July 13, 1972

The same people attended as listed above except L. Lewis of Duke attended and O. S. Bradham and T. E. Holland did not.

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TO: File  
THRU: D. Thompson

TRIP TO OCONOMOC NUCLEAR PLANT

On July 12 and 13 I visited the Oconomoc Nuclear Station site to discuss with Duke Power Co. & Oconomoc plant staff:

- a). crew size for one, two, and three unit operation
- b). the licensing of Oconomoc staff
- c). the administrative controls section of Technical Specifications
- d). the Oconomoc Industrial Security Plan
- e). several changes to Chapter 12 and 13 of the FSAR for Units 2 & 3.

Fuel loading for Unit 1 is now scheduled for January 15, 1973 and for Unit 2 - March 1, 1973.

CREW SIZE

I stated and gave justification for AEC's position for the crew size for 1, 2, and 3 unit operation. The number presented were:

	<u>1</u>	<u>1 &amp; 2</u>	<u>1, 2, &amp; 3</u>
SRO	1	2	3
RO	2	3	4
Utility	$\frac{2}{3}$	$\frac{2^*}{7}$	$\frac{4^*}{11}$
Total	3	7	11

\* An additional utility operator would be necessary if the data logger was inoperable.

Duke proposed, for 2-unit operation; 2 SRO's, 2 RO's, and 3 utility operators. The second SRO would not be a member of management, and would provide RO relief. After some operating period Duke proposed that the number of utility operators would be reduced from 3 to 1. Duke wanted a commitment from AEC regarding this reduction. The problem was not resolved, and I said the AEC would write Duke a letter concerning crew size.

LICENSING OF OCONOMOC STAFF

Duke requested that the cold oral exams be given twice, about a month apart, with written exams given during the first oral exam period, about December 1.

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I promised to discuss this with the Operator Licensing Branch and let Duhs know on July 14. I emphasized that three licensed operators will be needed on shift at fuel loading for each unit. (On 7/14, OLB agreed to give the two oral exams and Duhs was notified of this decision).

#### TECH SPECS - SECTION 6

A draft section 1.8, 6.2, and 6.6 of the Ocean 1 Tech. Specs (TS) was furnished to me for review. It appears that it will be acceptable. Several preliminary questions concerning the draft were answered satisfactorily. A Unit 1 TS amendment will be submitted July 26. An amendment for units 1, 2, and 3 TS should be in by the end of August.

On page 6.4-1, Duhs agreed to add, as a group of detailed written procedures, "periodic test procedures." On page 6.5-1, Duhs agreed to change part h to read, "Records of onsite and offsite environmental monitoring surveys", and part j to read, "Records of radioactive waste releases and disposal."

#### OCCOMB INDUSTRIAL SECURITY PLAN

I took the opportunity while at Ocean, to tour the site and talk with Stan Huber who is preparing the Industrial Security Plan. My impression is that Duhs will submit a Plan in general conformance with the draft 33 criteria. A draft plan was promised within 10 days.

#### CHAPTER 12 & 13 CHANGES FOR UNITS 2 & 3

1. Page 12-2 - "The Supervisor will generally have primary responsibility for the units that are in operation with the Ass't Shift Supervisor generally having responsibility for the unit in the checkout phase". I stated that the shift crew for the operating reactor should not assume any duties for checkout. I am not sure if Duhs agrees.
2. Page 12-7. I was assured that appropriate members of the shift crew would receive the necessary health physics training.
3. Page 12-8b. I was assured that agreements or letters would be received by Ocean from those offsite organizations that will be called upon to provide emergency services to the station. (A call to CO, Region II on 7/14 confirmed that CO will review these documents).
4. Page 12-8h. Duhs will reduce the action level at which the shift supervisor recommends offsite action from 25 RADS whole body to a value comparable to a 10 RAD I-131 thyroid dose.
5. Page 12-11. Duhs agreed to change the minimum meeting frequency of the CORC from 3 to 4 times per year (The change will be made in Tech Specs section 6.1.2.2.e.)
6. Page 13-6 and 13-7. The pre-startup program (list of pre-startup

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checks), and the power escalation test program are incomplete as presented. Duhs said that they were working with CO and would have an acceptable program. (A call to CO, Region II on 7/14 confirmed this).

DT

-61 C. R. Van Niel  
Operational Safety Branch  
Directorate of Licensing

cc: I. Peltier