

Docket Nos. 50-327
and 50-328

July 31, 1990

Mr. Oliver D. Kingsley, Jr.
Senior Vice President, Nuclear Power
Tennessee Valley Authority
6N 38A Lookout Place
1101 Market Street
Chattanooga, Tennessee 37402-2801

Dear Mr. Kingsley:

SUBJECT: ADDITION OF FIRE HOSE STATION FOR DIESEL GENERATOR BUILDING
(TAC NOS. 76078/76079) (TS 90-06) - SEQUOYAH NUCLEAR PLANT,
UNITS 1 AND 2

The Commission has issued the enclosed Amendment No. 143 to Facility
Operating License No. DPR-77 and Amendment No. 124 to Facility Operating
License No. DPR-79 for the Sequoyah Nuclear Plant, Units 1 and 2, respectively.
These amendments are in response to your application dated February 14, 1990.

These amendments modify Section 3/4.7.11, Fire Suppressions Systems, of
Sequoyah Units 1 and 2 Technical Specifications (TSs). A fire hose station
in the diesel generator building is added to Table 3.7-5, Fire Hose Stations.
In addition, for the Unit 1 TSs only, an incorrect reference to a Table 3.7-10
is changed to Table 3.7-5 and the elevation for the fire hose station in the
air exhaust room in the diesel generator building is added to Table 3.7-5.

A copy of the Safety Evaluation is also enclosed. Notice of Issuance will be
included in the Commission's biweekly Federal Register notice.

Sincerely,

Jack N. Donohew, Project Manager
Project Directorate II-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No.143 to License No. DPR-77
2. Amendment No.124 to License No. DPR-79
3. Safety Evaluation

cc w/enclosures:
See next page

JFO

9008070361 900731
PUR ADDCK 05000327
PDC

OFC	: PD II-4/LA	: PD II-4/PM	: SPLB/BC	: OGC	: PD II-4/D		
NAME	: MKrebs	: JDonohew	: C McCracken	: E. Chan	: FHebdon	:	:
DATE	: 7/10/90	: 7/9/90	: 7/11/90	: 7/18/90	: 7/30/90	:	:

AMENDMENT NO. 143 FOR SEQUOYAH UNIT NO. 1 - DOCKET NO. 50-327 and
AMENDMENT NO. 124 FOR SEQUOYAH UNIT NO. 2 - DOCKET NO. 50-328
DATED: July 31, 1990

DISTRIBUTION:

Docket File
NRC PDR
Local PDR
SQN Reading File
S. Varga
G. Lainas
M. Krebs
J. Donohew (2)
OGC
D. Hagan
E. Jordan
G. Hill (8)
W. Jones
J. Calvo
ACRS(10)
GPA/PA
OC/LFMB
C. McCracken

cc: Plant Service List

000186

Mr. Oliver D. Kingsley, Jr.

- 2 -

cc:

Mr. Marvin Runyon, Chairman
Tennessee Valley Authority
ET 12A 7A
400 West Summit Hill Drive
Knoxville, Tennessee 37902

Director
Tennessee Valley Authority
ET 12A 11A
400 West Summit Hill Drive
Knoxville, Tennessee 37902

Mr. John B. Waters, Director
Tennessee Valley Authority
ET 12A 9A
400 West Summit Hill Drive
Knoxville, Tennessee 37902

Mr. W. F. Willis
Chief Operating Officer
ET 12B 16B
400 West Summit Hill Drive
Knoxville, Tennessee 37902

General Counsel
Tennessee Valley Authority
400 West Summit Hill Drive
ET 11B 33H
Knoxville, Tennessee 37902

Mr. Dwight Nunn
Vice President, Nuclear Engineering
Tennessee Valley Authority
6N 38A Lookout Place
1101 Market Street
Chattanooga, Tennessee 37402-2801

Dr. Mark O. Medford
Vice President and Nuclear
Technical Director
Tennessee Valley Authority
6N 38A Lookout Place
Chattanooga, Tennessee 37402-2801

Mr. Edward G. Wallace
Manager, Nuclear Licensing
and Regulatory Affairs
Tennessee Valley Authority
5N 157B Lookout Place
Chattanooga, Tennessee 37402-2801

Mr. Joseph Bynum, Acting Site Director
Sequoyah Nuclear Plant
Tennessee Valley Authority
P. O. Box 2000
Soddy Daisy, Tennessee 37379

Mr. Mark J. Burzynski
Site Licensing Manager
Sequoyah Nuclear Plant
P. O. Box 2000
Soddy Daisy, Tennessee 37379

County Judge
Hamilton County Courthouse
Chattanooga, Tennessee 37402

Regional Administrator, Region II
U.S. Nuclear Regulatory Commission
101 Marietta Street, N.W.
Atlanta, Georgia 30323

Mr. Paul E. Harmon
Senior Resident Inspector
Sequoyah Nuclear Plant
U.S. Nuclear Regulatory Commission
2600 Igou Ferry Road
Soddy Daisy, Tennessee 37379

Mr. Michael H. Mobley, Director
Division of Radiological Health
T.E.R.R.A. Building, 6th Floor
150 9th Avenue North
Nashville, Tennessee 37219-5404

Tennessee Valley Authority
Rockville Office
11921 Rockville Pike
Suite 402
Rockville, Maryland 20852



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

TENNESSEE VALLEY AUTHORITY
DOCKET NO. 50-327
SEQUOYAH NUCLEAR PLANT, UNIT 1
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 143
License No. DPR-77

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Tennessee Valley Authority (the licensee) dated February 14, 1990, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

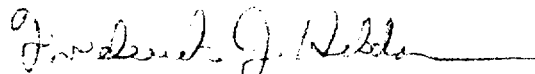
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of Facility Operating License No. DPR-77 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 143, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Frederick J. Heddon, Director
Project Directorate II-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: July 31, 1990

ATTACHMENT TO LICENSE AMENDMENT NO. 143

FACILITY OPERATING LICENSE NO. DPR-77

DOCKET NO. 50-327

Revise the Appendix A Technical Specifications by removing the pages identified below and inserting the enclosed pages. The revised pages are identified by the captioned amendment number and contain marginal lines indicating the area of change.

REMOVE

3/4 7-37

3/4 7-39

INSERT

3/4 7-37

3/4 7-39

PLANT SYSTEMS

FIRE HOSE STATIONS

LIMITING CONDITION FOR OPERATION

3.7.11.4 The fire hose stations shown in Table 3.7-5 shall be OPERABLE.

APPLICABILITY: Whenever equipment in the areas protected by the fire hose stations is required to be OPERABLE.

ACTION:

- a. With one or more of the fire hose stations shown in Table 3.7-5 inoperable, route an additional equivalent capacity fire hose to the unprotected area(s) from an OPERABLE hose station within 1 hour if the inoperable fire hose is the primary means of fire suppression; otherwise route the additional hose within 24 hours. Restore the fire hose station to OPERABLE status within 14 days or, in lieu of any other report required by Specification 6.6.1, prepare and submit a Special Report to the Commission pursuant to Specification 6.9.2 within the next 30 days outlining the action taken, the cause of the inoperability, and the plans and schedule for restoring the station to OPERABLE status.
- b. The provisions of Specifications 3.0.3 and 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.7.11.4 Each of the fire hose stations shown in Table 3.7-5 shall be demonstrated OPERABLE:

- a. At least once per 31 days by visual inspection of the stations accessible during plant operations to assure all required equipment is at the station.
- b. At least once per 18 months by:
 1. Visual inspection of the stations not accessible during plant operations to assure all required equipment is at the station,
 2. Removing the hose for inspection and re-racking, and
 3. Inspecting all gaskets and replacing any degraded gaskets in the couplings.
- c. At least once per 3 years by:
 1. Partially opening each hose station valve to verify valve OPERABILITY and no flow blockage.
 2. Conducting a hose hydrostatic test at a pressure of 150 psig or at least 50 psig above maximum fire main operating pressure, whichever is greater.

TABLE 3.7-5 (Continued)

<u>LOCATION</u>	<u>ELEVATION</u>	<u>HOSE RACK#</u>
Control Building	685	0-26-1188
Control Building	685	0-26-1193
Control Building	669	0-26-1189
Control Building	669	0-26-1194
d. Diesel Generator Building		
Corridor	722	0-26-1077
Corridor	740.5	0-26-1080
Air Exhaust Rm.	740.5	0-26-1082
Lube Oil Storage Room 722.0-2	722	0-26-2337
e. Additional Equipment Building - Unit 1		
South Wall	740.5	1-26-687
South Wall	706	1-26-686
f. Auxiliary Building		
	759	1-26-669
	749	2-26-664
	749	1-26-664
	734	2-26-670
	734	0-26-684
	734	1-26-670
	734	0-26-682
	734	1-26-671
	734 Siamese Outlet	1-26-672
	734	1-26-665
	714	0-26-660
	714	1-26-666
	714	0-26-677
	706	0-26-658
	690	0-26-690
	690	0-26-661
	690	1-26-674
	690 Siamese Outlet	1-26-675
	690	1-26-667
	669	1-26-668
	669	0-26-662
	669	0-26-680
	653	0-26-663
	653	0-26-691



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

TENNESSEE VALLEY AUTHORITY

DOCKET NO. 50-328

SEQUOYAH NUCLEAR PLANT, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 124
License No. DPR-79

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Tennessee Valley Authority (the licensee) dated February 14, 1990, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

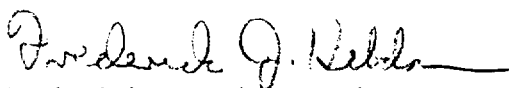
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of Facility Operating License No. DPR-79 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 124, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Frederick J. Hebbon, Director
Project Directorate II-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: July 31, 1990

ATTACHMENT TO LICENSE AMENDMENT NO. 124

FACILITY OPERATING LICENSE NO. DPR-79

DOCKET NO. 50-328

Revise the Appendix A Technical Specifications by removing the pages identified below and inserting the enclosed pages. The revised pages are identified by the captioned amendment number and contain marginal lines indicating the area of change.

REMOVE

3/4 7-50

INSERT

3/4 7-50

Table 3.7-5 (Continued)

FIRE HOSE STATIONS

<u>LOCATION</u>	<u>ELEVATION</u>	<u>HOSE RACK#</u>
Control Building	685	0-26-1188
Control Building	685	0-26-1193
Control Building	669	0-26-1189
Control Building	669	0-26-1194
d. Diesel Generator Building		
Corridor	722	0-26-1077
Corridor	740.5	0-26-1080
Air Exhaust Rm.	740.5	0-26-1082
Lube Oil Storage Room 722.0-2	722	0-26-2337
e. Additional Equipment Building - Unit 2		
North Wall	740.5	2-26-687
North Wall	706	2-26-686
f. Auxiliary Building		
	759	2-26-669
	749	2-26-664
	749	1-26-664
	734	2-26-670
	734	0-26-684
	734	1-26-670
	734	0-26-682
	734 Siamese Outlet	2-26-671
	734	2-26-672
	734	2-26-665
	714	0-26-660
	714	2-26-666
	714	0-26-677
	706	0-26-658
	690	0-26-690
	690	0-26-661
	690 Siamese Outlet	2-26-674
	690	2-26-675
	669	2-26-667
	669	2-26-668
	669	0-26-662
	669	0-26-680
	653	0-26-663
	653	0-26-691



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

ENCLOSURE 3

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 143 TO FACILITY OPERATING LICENSE NO. DPR-77

AND AMENDMENT NO. 124 TO FACILITY OPERATING LICENSE NO. DPR-79

TENNESSEE VALLEY AUTHORITY

SEQUOYAH NUCLEAR PLANT, UNITS 1 AND 2

DOCKET NOS. 50-327 AND 50-328

1.0 INTRODUCTION

By letter dated February 14, 1990, the Tennessee Valley Authority (TVA) requested changes to the Sequoyah Nuclear Plant, Units 1 and 2, Technical Specifications (TSs). The changes would revise Section 3/4.7.11, Fire Suppression Systems, by adding a fire hose station in the diesel generator building to Table 3.7-5, Fire Hose Stations. In addition, for the Unit 1 TSs only, the changes would correct a reference to Table 3.7-10 and add the elevation for the fire hose station in the air exhaust room to Table 3.7-5. The addition of an omitted elevation for the air exhaust room will not affect the proposed no significant hazards findings because, although not specifically discussed in the Federal Register notice for this proposed amendment, it is an administrative change encompassed within the ambit of the amendment request published in the Federal Register notice of March 21, 1990.

2.0 EVALUATION

TVA has installed a second fire protection water supply line to the diesel generator building and an independent fire hose station on Elevation 722 of the building. This second line provides an independent fire hose station to the automatic sprinkler system and fire hose station for the corridor in the diesel generator building which were supplied by a single and common line from the fire protection yard water main. TVA has proposed that this independent fire hose station, Hose Rack 0-26-2337, in the lube oil storage room be added to Table 3.7-5. This independent fire hose station should be included in Table 3.7-5; therefore, the staff concludes that this change is acceptable.

TVA stated that the reference to Table 3.7-10 in Surveillance Requirement (SR) 4.7.11.4 of the Unit 1 TSs is incorrect. It proposed that the reference should be to the above Table 3.7-5. There is no Table 3.7-10 in the TSs and the fire hose stations discussed in SR 4.7.11.4 are listed in Table 3.7-5. The reference in the Unit 2 TSs for SR 4.7.11.4 is to Table 3.7-5. Therefore, the staff concludes that the proposed change is acceptable.

TVA also proposed adding, to the Unit 1 TSs only, the elevation for the fire hose station in the air exhaust room of the diesel generator building. This elevation is in the Unit 2 TSs but inadvertently omitted from the Unit 1 TSs. This is an administrative change and the staff concludes that the proposed change is acceptable.

9008070365 900731
PUR ADDCK 05000327
FDC
P

3.0 ENVIRONMENTAL CONSIDERATION

These amendments involve a change to a requirement with respect to the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20 and changes to the surveillance requirements. The staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the type, of any effluents that may be released offsite, and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that these amendments involve no significant hazards consideration and there has been no public comment on such finding. Accordingly, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement nor environmental assessment need be prepared in connection with the issuance of these amendments.

4.0 CONCLUSION

The Commission made a proposed determination that the amendments involve no significant hazards consideration which was published in the Federal Register (55 FR 10545) on March 21, 1990 and consulted with the State of Tennessee. No public comments were received and the State of Tennessee did not have any comments.

The staff has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendments will not be inimical to the common defense and security nor to the health and safety of the public.

Principal Contributor: J. Donohew

Dated: July 31, 1990