

Docket

December 10, 1990

Docket No. 50-328

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 TWO SMOKE DETECTORS TO VOLUME CONTROL TANK ROOM
(TAC NO. 76773) (TS 90-07) - SEQUOYAH NUCLEAR PLANT, UNIT 2

The Commission has issued the enclosed Amendment No. 137 to Facility
Operating License No. DPR-79 for the Sequoyah Nuclear Plant, Unit 2.
This amendment is in response to your application dated May 4, 1990.

This amendment modifies Table 3.3-11, Fire Detection Instruments, of the
Sequoyah Unit 2 Technical Specifications (TSs). The changes add two smoke
detectors which were installed in the volume control tank room during the
recent Unit 2 Cycle 4 refueling outage.

In your application, you also proposed changes to Table 3.3-11 of the Sequoyah
Unit 1 TSs. These changes were issued by letter dated July 27, 1990 after the
detectors were installed in the Unit 1 volume control tank room during the
Unit 1 Cycle 4 refueling outage. The enclosed ~~safety~~ evaluation for this
amendment applies to both units.

The Notice of Issuance for this amendment 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.137 to License No. DPR-79
- 2. Safety Evaluation

cc w/enclosures:
See next page

OFC	: PDII-4/LA	: PDII-4/PM	: OGC	: PDII-4/DD	: PDII-4/D	:
NAME	: MKrebs <i>mk</i>	: JDonohew:as	: <i>JC</i>	: SBlack <i>SB</i>	: FHebdon	:
DATE	: 11/28/90	: 11/28/90	: 12/4/90	: 12/7/90	: 12/10/90	: <i>DF01</i>

Mr. Oliver D. Kingsley, Jr.

cc:

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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. 137
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 May 4, 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.

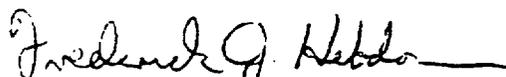
2. Accordingly, the license is amended by charges to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of Facility Operating License No. DFR-79 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 137, 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:
Charges to the Technical
Specifications

Date of Issuance: December 10, 1990

ATTACHMENT TO LICENSE AMENDMENT NO. 137

FACILITY OPERATING LICENSE NO. DPR-79

DOCKET NO. 50-328

Revise the Apperdx 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 certain marginal lines indicating the area of change.

REMOVE

3/4 3-63

INSERT

3/4 3-63

TABLE 3.3-11 (Continued)

FIRE DETECTION INSTRUMENTS

FIRE ZONE	INSTRUMENT LOCATION	MINIMUM INSTRUMENTS OPERABLE			Infrared
		Ionization	Photoelectric	Thermal	
118	New Fuel Storage Area, E1. 706	2			
119	New Fuel Storage Area, E1. 706	2			
120	ABGTS Filter, E1. 714		1	1	
121	ABGTS Filter, E1. 714		1	1	
122	Add. Eqpt. Bldg., E1. 706 & 717.5	6			
124	Add. Equip. Bldg. E1. 706	6			
126	ABGTS Rm., E1. 714	2			
127	ABGTS Rm., E1. 714	2			
128	ABGTS Rm., E1. 714	2			
129	ABGTS Rm., E1. 714	2			
130	Vent. & Purge Air Rm., E1. 714	3			
131	Vent. & Purge Air Rm., E1. 714	3			
132	Vent. & Purge Air Rm., E1. 714	3			
133	Vent. & Purge Air Rm., E1. 714	3			
134	Aux. Bldg. A5-A11, Col. U-W, E1. 714	7			
135	Aux. Bldg. A5-A11, Col. V-W, E1. 714	7			
136	Heat. & Vent. Rm., E1. 714	4			
137	Heat. & Vent. Rm., E1. 714	4			
138	Heat. & Vent. Rm., E1. 714	4			
139	Heat. & Vent. Rm., E1. 714	4			
140	Above Hot Instr. Rm., E1. 714	1			
141	Above Hot Instr. Rm., E1. 714	1			
142	Aux. Bldg. A1-A8, Col. Q-U, E1. 714	12			
143	Aux. Bldg. A1-A8, Col. Q-U, E1. 714	12			
144	Aux. Bldg. A8-A15, Col. Q-U, E1. 714	9			
145	Aux. Bldg. A8-A15, Col. Q-U, E1. 714	9			
146	N ₂ Storage Area, E1. 706	4			
147	ABGTS Filter, E1. 714		1	1	
148	ABGTS Filter, E1. 714		1	1	
149	Cable Spreading Rm. C3-C7, E1. 706	15			
150	Cable Spreading Rm. C3-C7, E1. 706	15			
151	VCT Room 2A, E1. 690	1	1		
152	VCT Room 2A, E1. 690	1	1		

SEQUOYAH - UNIT 2

3/4 3-63

Amendment No. 86
Correction Letter of 5-1-89
Amendment 137



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

ENCLOSURE 2

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 137 TO FACILITY OPERATING LICENSE NO. DPR-79

TENNESSEE VALLEY AUTHORITY

SEQUOYAH NUCLEAR PLANT, UNIT 2

DOCKET NO. 50-328

1.0 INTRODUCTION

By letter dated May 4, 1990, the Tennessee Valley Authority (TVA) proposed changes to Section 3/4.3.3, Monitoring Instrumentation, of the Sequoyah Nuclear Plant, Units 1 and 2, Technical Specifications (TSs). These changes would add two smoke detectors to Table 3.3-11, "Fire Detection Instruments." These smoke detectors were to be installed in the Cycle 4 refueling outage for each unit. This is TVA Change Request 90-07.

The two smoke detectors have been installed at Unit 2 in the recent Unit 2 Cycle 4 refueling outage; therefore, the evaluation given below is on the proposed change to add these detectors to the Unit 2 TSs. The detectors for Unit 1 were installed in the Unit 1 Cycle 4 refueling outage which ended in June 1990. The proposed changes for the Unit 1 TSs were issued by letter dated July 27, 1990. The evaluation below discusses the proposed changes to the Unit 2 TSs but applies to both units.

2.0 EVALUATION

TVA proposed to revise Table 3.3-11 to reflect the addition of two smoke detectors in the volume control tank room during the Cycle 4 refueling outage for each unit. TVA stated that it is installing the two photoelectric smoke detectors in the room entry labyrinth to provide redundant fire protection in the entry labyrinth. The modification will provide detectors cross-zoned in the same area so that the failure of one smoke detector will not result in a loss of fire detection capability in the room entry labyrinth. TVA stated that the TSs contain surveillance requirements for fire protection instrumentation which protects safety-related equipment and, because the additional smoke detectors in the volume control tank room meet this criteria, it proposed that these detectors be included in the TSs.

The staff reviewed the proposed changes to Table 3.3-11 and agrees that the two additional smoke detectors should be included in the table. This is an administrative change which does not revise any fire protection requirements in the TSs except to add the two additional detectors to Table 3.3-11 because the detectors have been installed. Therefore, the staff concludes that the proposed change is acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves 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 amendment involves no significant increase in the amounts, and no significant change in the types, 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 this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, the amendment meets 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 this amendment.

4.0 CONCLUSION

The Commission made a proposed determination that the amendment involves no significant hazards consideration which was published in the Federal Register (55 FR 24004) on June 13, 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: December 10, 1990