



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

SACRAMENTO MUNICIPAL UTILITY DISTRICT

DOCKET NO. 50-312

RANCHO SECO NUCLEAR GENERATING STATION

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 73  
License No. DPR-54

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Sacramento Municipal Utility District (the licensee) dated September 20, 1984, 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-54 is hereby amended to read as follows:

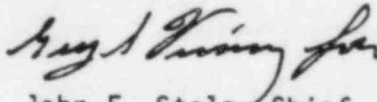
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Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 73, 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



John F. Stolz, Chief  
Operating Reactors Branch #4  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: August 30, 1985

ATTACHMENT TO LICENSE AMENDMENT NO. 73

FACILITY OPERATING LICENSE NO. DPR-54

DOCKET NO. 50-312

Replace the following pages of the Appendix A Technical Specifications with the enclosed pages as indicated. The revised pages are identified by Amendment number and contain vertical lines indicating the area of change.

Remove

3-64  
3-66  
3-68  
3-69  
4-66  
4-67

Insert

3-64  
3-66  
3-68  
3-69  
4-66  
4-67

RANCHO SECO UNIT 1  
TECHNICAL SPECIFICATIONS

Limiting Conditions for Operation

Table 3.16-1

RADIOACTIVE GASES EFFLUENT MONITORING INSTRUMENTATION

<u>Instrument</u>	<u>Minimum Number of Channels Operable</u>	<u>Action</u>
1. Reactor Building Purge Vent		
a. Noble Gas Activity Monitor providing alarm and automatic termination of release	1	With the monitor channel alarm/trip setpoint less conservative than required by Specification 3.16, immediately suspend the release or declare the channel inoperable.  With the monitor inoperable, effluent releases via this pathway may continue provided grab samples are taken at least once per 12 hours and these samples are analyzed in accordance with Table 4.22-1 within 24 hours.
b. Iodine Sampler	1	With the collection device inoperable, effluent releases via this pathway may continue provided continuous samples are taken and these samples are analyzed in accordance with Table 4.22-1 within 24 hours.
c. Particulate Sampler	1	With the collection device inoperable, effluent releases via this pathway may continue provided continuous samples are taken and these samples are analyzed in accordance with Table 4.22-1 within 24 hours.

RANCHO SECO UNIT 1  
TECHNICAL SPECIFICATIONS

Limiting Conditions for Operation

Table 3.16-1 (continued)

RADIOACTIVE GASES EFFLUENT MONITORING INSTRUMENTATION

<u>Instrument</u>	<u>Minimum Number of Channels Operable</u>	<u>Action</u>
2. Auxiliary Building Stack		
a. Noble Gas Activity Monitor providing alarm and automatic termination of release	1	With the monitor channel alarm/trip setpoint less conservative than required by Specification 3.16, immediately suspend the release or declare the channel inoperable.  With the monitor inoperable, effluent releases via this pathway may continue provided grab samples are taken at least once per 12 hours and these samples are analyzed in accordance with Table 4.22-1 within 24 hours.
b. Iodine Sampler	1	With the collection device inoperable, effluent releases via this pathway may continue provided continuous samples are taken and these samples are analyzed in accordance with Table 4.22-1 within 24 hours.
c. Particulate Sampler	1	With the collection device inoperable, effluent releases via this pathway may continue provided continuous samples are taken and these samples are analyzed in accordance with Table 4.22-1 within 24 hours.

RANCHO SECO UNIT 1  
TECHNICAL SPECIFICATIONS

Limiting Conditions for Operation

Table 3.16-1 (continued)

RADIOACTIVE GASES EFFLUENT MONITORING INSTRUMENTATION

<u>Instrument</u>	<u>Minimum Number of Channels Operable</u>	<u>Action</u>
3. Radwaste Service Area Vent *		
a. Noble Gas Activity Monitor	1	With the monitor channel alarm/ trip setpoint less conservative than required by Specification 3.16, immediately suspend the release or declare the channel inoperable.  With the monitor inoperable, effluent releases via this pathway may continue provided grab samples are taken at least once per 12 hours and these samples are analyzed in accordance with Table 4.22-1 within 24 hours.
b. Iodine Sampler	1	With the collection device inoperable, effluent releases via this pathway may continue provided continuous samples are taken and these samples are analyzed in accordance with Table 4.22-1 within 24 hours.

- \* The Radwaste Service Area Vent Monitoring System is not yet functional. This specification for this system will become effective when it is declared OPERABLE.

RANCHO SECO UNIT 1  
TECHNICAL SPECIFICATIONS

Limiting Conditions for Operation

Table 3.16-1 (continued)

RADIOACTIVE GASES EFFLUENT MONITORING INSTRUMENTATION

<u>Instrument</u>	<u>Minimum Number of Channels Operable</u>	<u>Action</u>
3. Radwaste Service Area Vent* (continued)		
c. Particulate Sampler	1	With the collection device inoperable, effluent releases via this pathway may continue provided continuous samples are taken and these samples are analyzed in accordance with Table 4.22-1 within 24 hours.
d. System Effluent Flow Rate Device	1	With the flow device inoperable, effluent releases via this pathway may continue provided the flow rate used is the maximum design flow rate.
e. Sampler Flow Rate Measurement Device	1	With the flow rate device inoperable, effluent releases via this pathway may continue provided the flow rate is estimated and recorded at least once per 4 hours.

\* The Radwaste Service Area Vent Monitoring System is not yet functional. This specification for this system will become effective when it is declared OPERABLE.

RANCHO SECO UNIT 1  
TECHNICAL SPECIFICATIONS

Surveillance Standards

Table 4.20-1

RADIOACTIVE GASEOUS EFFLUENT MONITORING INSTRUMENTATION  
SURVEILLANCE REQUIREMENTS

<u>Instrument</u>	<u>Instrument Channel Check</u>	<u>Source Check</u>	<u>Instrument Channel Calibration</u>	<u>Channel Test</u>
1. Reactor Building Purge Vent				
a. Noble Gas Activity Monitor	D(1)	M	Q(2)	Q(3)
b. Iodine Sampler	W	NA	NA	NA
c. Particulate Sampler	W	NA	NA	NA
d. System Effluent Flow Rate Device	W	NA	BY	A
e. Sampler Monitor Flow Rate Measurement Device	W	NA	BY	A
2. Auxiliary Building Stack				
a. Noble Gas Activity Monitor	D(1)	M	Q(2)	Q(3)
b. Iodine Sampler	W	NA	NA	NA
c. Particulate Sampler	W	NA	NA	NA
d. System Effluent Flow Rate Device*	W	NA	BY	A
e. Monitor Flow Rate Measurement Device	W	NA	BY	A

\* This flow rate device is not yet installed. This specification for this system will become effective when it is declared OPERABLE.



RANCHO SECO UNIT 1  
TECHNICAL SPECIFICATIONS

Surveillance Standards

Table 4.20-1 (Continued)

<u>Instrument</u>	<u>Instrument Channel Check</u>	<u>Source Check</u>	<u>Instrument Channel Calibration</u>	<u>Channel Test</u>
3. Radwaste Service Area*				
a. Noble Gas Activity Monitor	D(1)	M	Q(2)	Q(4)
b. Iodine Sampler	W	NA	NA	NA
c. Particulate Sampler	W	NA	NA	NA
d. System Effluent Flow Rate Device	W	NA	BY	A
e. Monitor Flow Rate Measurement Device	W	NA	BY	A

\* The Radwaste Service Area Monitoring System is not yet functional. The specification for this system will become effective when it is declared OPERABLE.

Table Notation

- (1) During releases via this pathway, a check shall be performed at least once per 24 hours.
- (2) The Instrument Channel Calibration for radioactivity measurement instrumentation shall be performed using one or more reference standards.
- (3) The Channel Test shall also demonstrate that automatic termination of this pathway and control room alarm annunciation occurs if any of the following conditions exist:
  - a. Instrument indicates measured levels above the alarm/trip setpoint.
  - b. Circuit failure.
  - c. Instrument indicates a downscale failure.
  - d. Instrument controls not set in operate mode.