



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

ARIZONA PUBLIC SERVICE COMPANY, ET AL.

DOCKET NO. STN 50-528

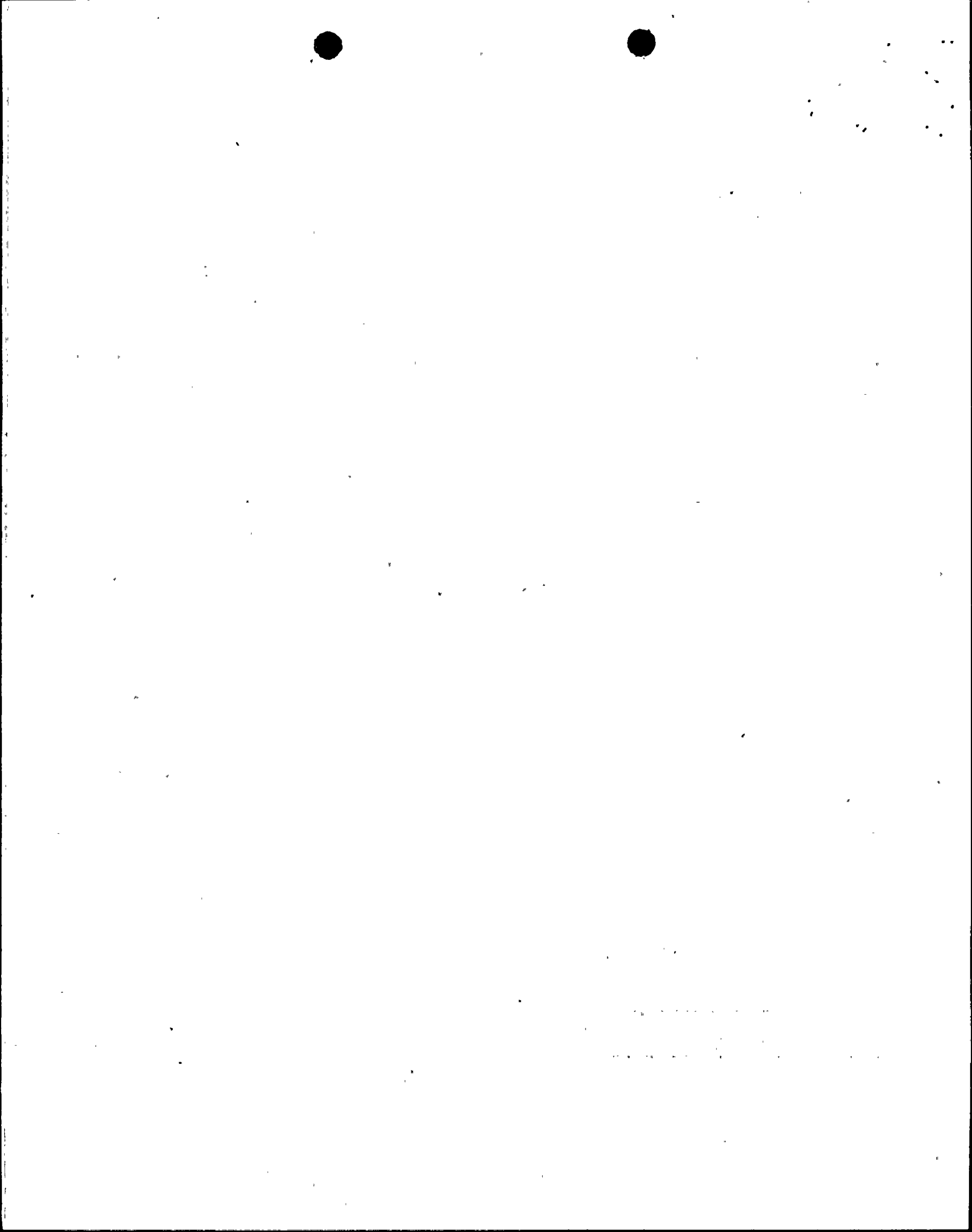
PALO VERDE NUCLEAR GENERATING STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 26  
License No. NPF-41

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment, dated November 20, 1987, by the Arizona Public Service Company (APS) on behalf of itself and the Salt River Project Agricultural Improvement and Power District, El Paso Electric Company, Southern California Edison Company, Public Service Company of New Mexico, Los Angeles Department of Water and Power, and Southern California Public Power Authority (licensees), complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's 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 regulations of the Commission;
  - C. There is reasonable assurance (i) that the activity 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.

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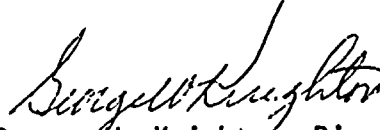
2. Accordingly, the license is amended by a change to the Technical Specifications as indicated in the enclosure to this license amendment, and paragraph 2.C(2) of Facility Operating License No. NPF-41 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 26, and the Environmental Protection Plan contained in Appendix B, are hereby incorporated into this license. APS shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of the date of issuance. The change in the Technical Specifications is to become effective within 30 days of issuance of the amendment. In the period between issuance of the amendment and the effective date of the new Technical Specifications, the licensees shall adhere to the Technical Specifications existing at the time. The period of time during changeover shall be minimized.

FOR THE NUCLEAR REGULATORY COMMISSION



George W. Knighton, Director  
Project Directorate V  
Division of Reactor Projects - III,  
IV, V and Special Projects

Enclosure:  
Change to the Technical  
Specifications

Date of Issuance: February 26, 1988.

ENCLOSURE TO LICENSE AMENDMENT

AMENDMENT NO. 26 TO FACILITY OPERATING LICENSE NO. NPF-41

DOCKET NO. STN 50-528

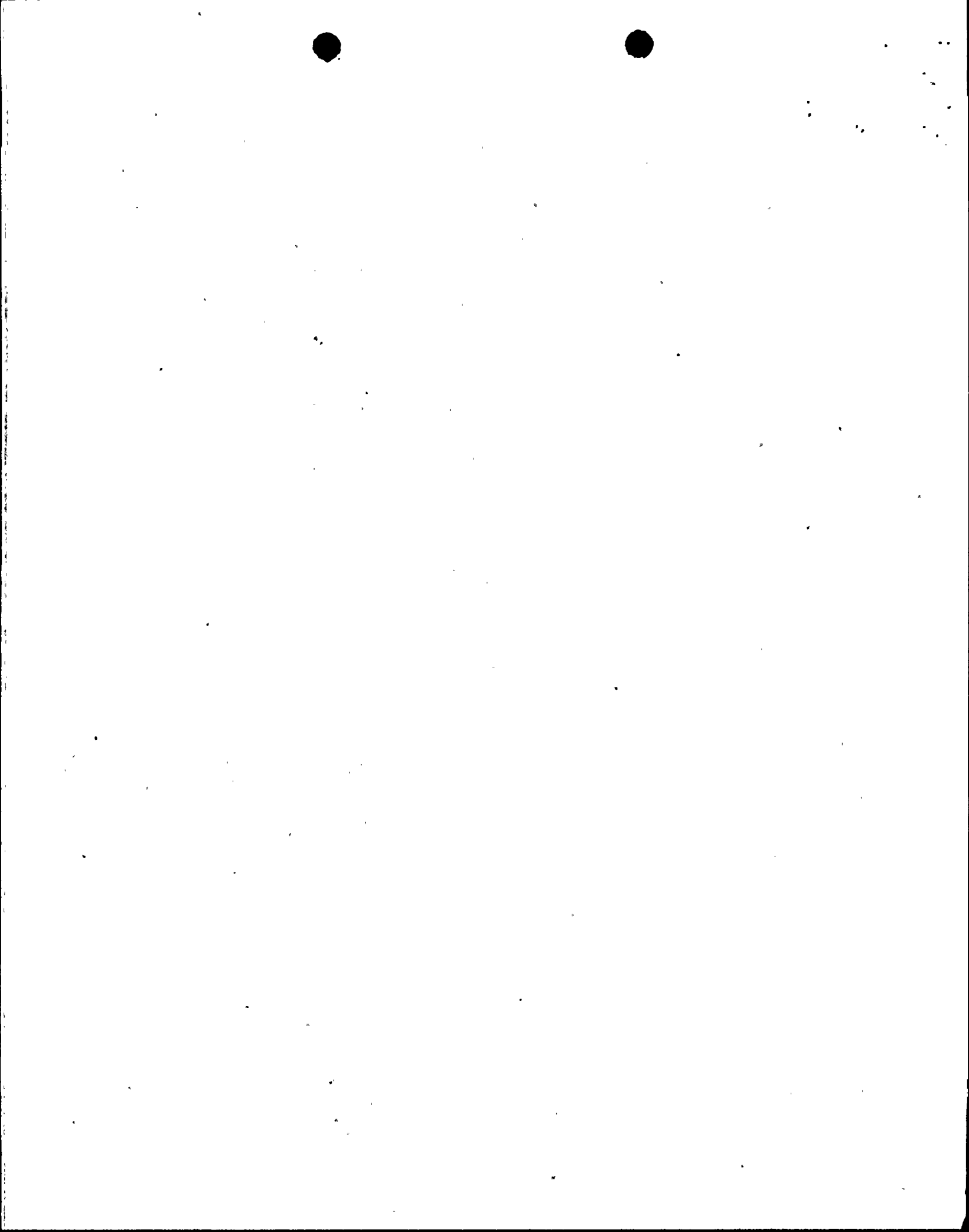
Replace the following page of the Appendix A Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains a vertical line indicating the area of change. Also to be replaced is the following overleaf page to the amended page.

Amendment Page

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Overleaf Page

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## INSTRUMENTATION

### 3/4.3.3 MONITORING INSTRUMENTATION

#### RADIATION MONITORING INSTRUMENTATION

#### LIMITING CONDITION FOR OPERATION

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3.3.3.1 The radiation monitoring instrumentation channels shown in Table 3.3-6 shall be OPERABLE with their alarm/trip setpoints within the specified limits.

APPLICABILITY: As shown in Table 3.3-6.

#### ACTION:

- a. With a radiation monitoring channel alarm/trip setpoint exceeding the value shown in Table 3.3-6, adjust the setpoint to within the limit within 4 hours or declare the channel inoperable.
- b. With the number of channels OPERABLE one less than the Minimum Channels OPERABLE requirement, take the ACTION shown in Table 3.3-6.
- c. The provisions of Specifications 3.0.3 and 3.0.4 are not applicable.

#### SURVEILLANCE REQUIREMENTS

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4.3.3.1 Each radiation monitoring instrumentation channel shall be demonstrated OPERABLE by the performance of the CHANNEL CHECK, CHANNEL CALIBRATION, and CHANNEL FUNCTIONAL TEST operations for the MODES and at the frequencies shown in Table 4.3-3.

TABLE 3.3-6

RADIATION MONITORING INSTRUMENTATION

<u>INSTRUMENT</u>	<u>MINIMUM CHANNELS OPERABLE</u>	<u>APPLICABLE MODES</u>	<u>ALARM/TRIP SETPOINT</u>	<u>MEASUREMENT RANGE</u>	<u>ACTION</u>
1. Area Monitors					
A. Fuel Pool Area RU-31	1	**	<15mR/hr	10 <sup>-1</sup> to 10 <sup>4</sup> mR/hr	22 & 24
B. New Fuel Area RU-19	1	*	<15mR/hr	10 <sup>-1</sup> to 10 <sup>4</sup> mR/hr	22
C. Containment RU-148 & RU-149	2	1,2,3,4	<10R/hr	1R/hr to 10 <sup>7</sup> R/hr	27
D. Containment Power Access Purge Exhaust RU-37 & RU-38	1	#	<2.5mR/hr	10 <sup>-1</sup> to 10 <sup>-4</sup> mR/hr	25
E. Main Steam					
1) RU-139 A&B	1	1,2,3,4	##	10 <sup>0</sup> to 10 <sup>5</sup> mR/hr	27
2) RU-140 A&B	1	1,2,3,4	##	10 <sup>0</sup> to 10 <sup>5</sup> mR/hr	27
2. Process Monitors					
A. Containment Building Atmosphere RU-1	2	1,2,3,4			23 & 27
1) Particulate				≤2.3x10 <sup>-6</sup> μCi/cc Cs-137	10 <sup>-9</sup> to 10 <sup>-4</sup> μCi/cc
2) Gaseous				≤6.6x10 <sup>-2</sup> μCi/cc Xe-133	10 <sup>-6</sup> to 10 <sup>-1</sup> μCi/cc
B. Noble Gas Monitors Control Room Ventilation Intake RU-29 & RU-30	1	ALL MODES	≤2x10 <sup>-5</sup> μCi/cc	10 <sup>-6</sup> to 10 <sup>-1</sup> μCi/cc	26
3. Post Accident Sampling System	1###	1,2,3	N.A.	N.A.	28

\*With fuel in the storage pool or building.

\*\*With irradiated fuel in the storage pool.

#When purge is being used.

##Three (3) times background in Rem/hour.

###The Minimum Channels Operable will be defined in the Preplanned Alternate Sampling Program.



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ARIZONA PUBLIC SERVICE COMPANY, ET AL.

DOCKET NO. STN 50-529

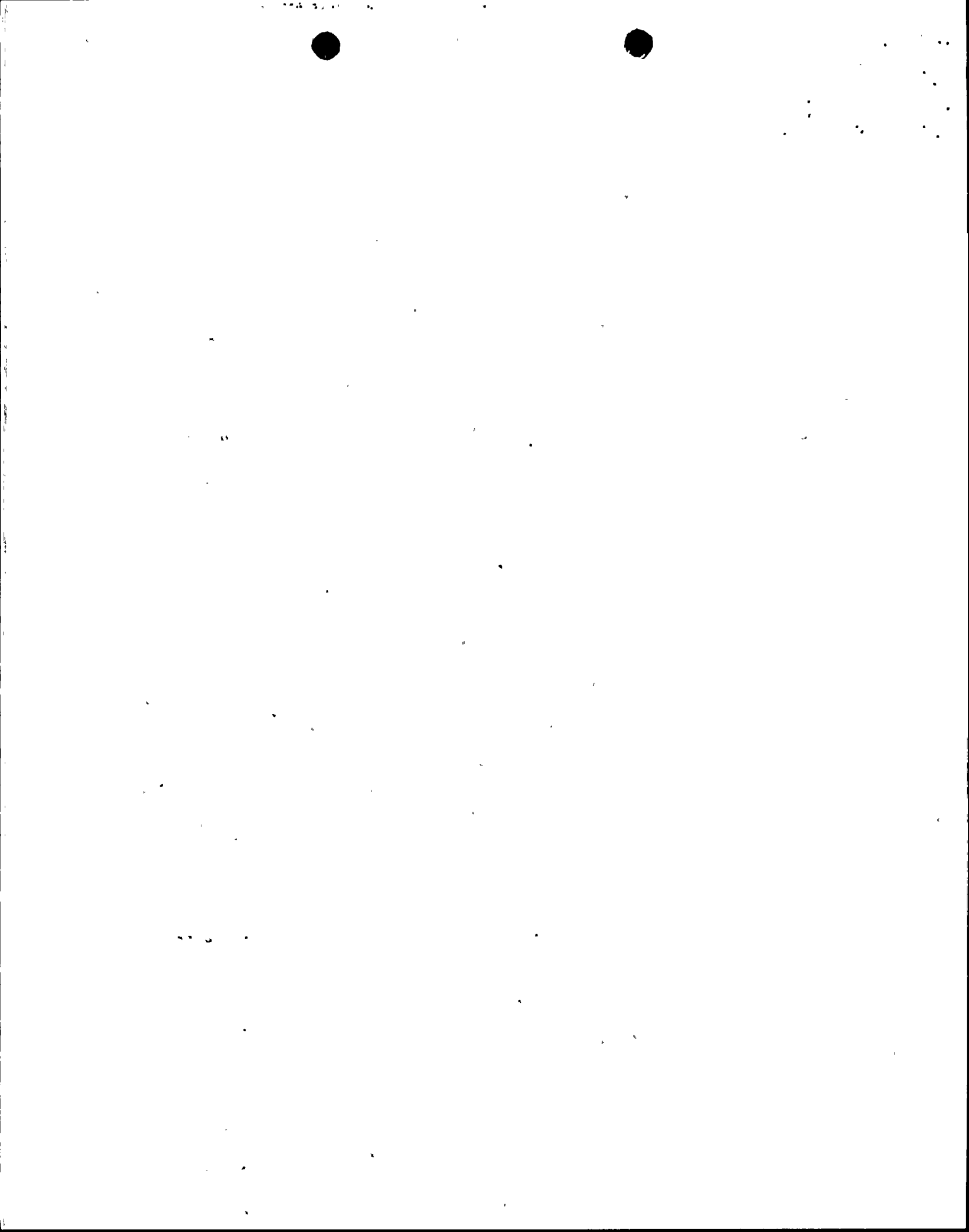
PALO VERDE NUCLEAR GENERATING STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 15  
License No. NPF-51

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment, dated November 20, 1987, by the Arizona Public Service Company (APS) on behalf of itself and the Salt River Project Agricultural Improvement and Power District, El Paso Electric Company, Southern California Edison Company, Public Service Company of New Mexico, Los Angeles Department of Water and Power, and Southern California Public Power Authority (licensees), complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's 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 regulations of the Commission;
  - C. There is reasonable assurance (i) that the activity 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 regulation;
  - 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.





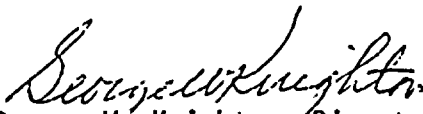
2. Accordingly, the license is amended by a change to the Technical Specifications as indicated in the enclosure to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-51 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 15, and the Environmental Protection Plan contained in Appendix B, are hereby incorporated into this license. APS shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of the date of issuance. The change in the Technical Specifications is to become effective within 30 days of issuance of the amendment. In the period between issuance of the amendment and the effective date of the new Technical Specifications, the licensees shall adhere to the Technical Specifications existing at the time. The period of time during changeover shall be minimized.

FOR THE NUCLEAR REGULATORY COMMISSION

  
George W. Knighton, Director  
Project Directorate V  
Division of Reactor Projects - III,  
IV, V and Special Projects

Enclosure:  
Change to the Technical  
Specifications

Date of Issuance: February 26, 1988



ENCLOSURE TO LICENSE AMENDMENT

AMENDMENT NO. 15 TO FACILITY OPERATING LICENSE NO. NPF-51

DOCKET NO. STN 50-529

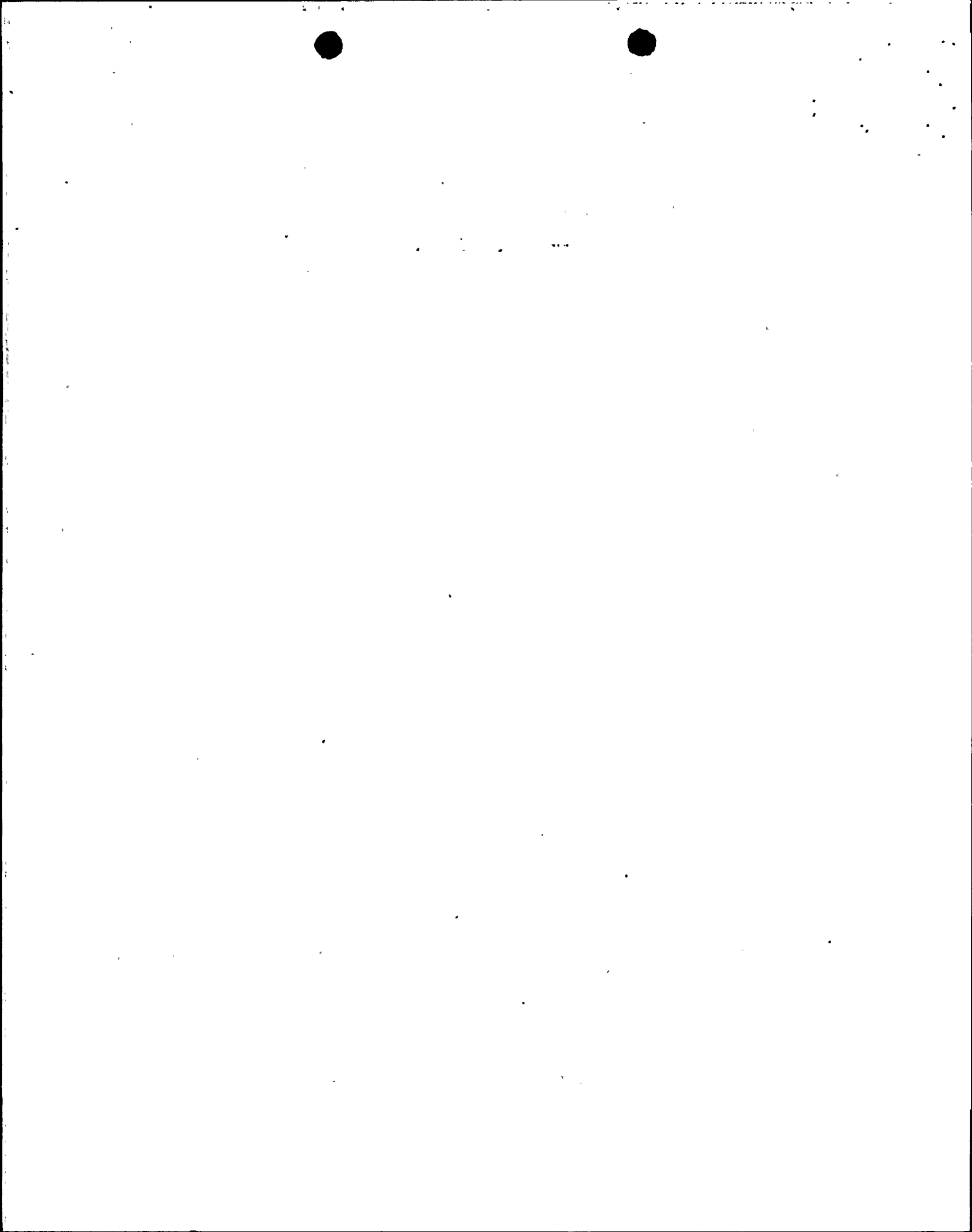
Replace the following page of the Appendix A Technical Specifications with the enclosed page. The revised page is identified by Amendment number and contains a vertical line indicating the area of change. Also to be replaced is the following overleaf page to the amended page.

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## INSTRUMENTATION

### 3/4.3.3 MONITORING INSTRUMENTATION

#### RADIATION MONITORING INSTRUMENTATION

#### LIMITING CONDITION FOR OPERATION

---

3.3.3.1 The radiation monitoring instrumentation channels shown in Table 3.3-6 shall be OPERABLE with their alarm/trip setpoints within the specified limits.

APPLICABILITY: As shown in Table 3.3-6.

#### ACTION:

- a. With a radiation monitoring channel alarm/trip setpoint exceeding the value shown in Table 3.3-6, adjust the setpoint to within the limit within 4 hours or declare the channel inoperable.
- b. With the number of channels OPERABLE one less than the Minimum Channels OPERABLE requirement, take the ACTION shown in Table 3.3-6.
- c. The provisions of Specifications 3.0.3 and 3.0.4 are not applicable.

#### SURVEILLANCE REQUIREMENTS

---

4.3.3.1 Each radiation monitoring instrumentation channel shall be demonstrated OPERABLE by the performance of the CHANNEL CHECK, CHANNEL CALIBRATION, and CHANNEL FUNCTIONAL TEST operations for the MODES and at the frequencies shown in Table 4.3-3.

TABLE 3.3-6

RADIATION MONITORING INSTRUMENTATION

<u>INSTRUMENT</u>	<u>MINIMUM CHANNELS OPERABLE</u>	<u>APPLICABLE MODES</u>	<u>ALARM/TRIP SETPOINT</u>	<u>MEASUREMENT RANGE</u>	<u>ACTION</u>
1. Area Monitors					
A. Fuel Pool Area RU-31	1	**	<15mR/hr	10 <sup>-1</sup> to 10 <sup>4</sup> mR/hr	22 & 24
B. New Fuel Area RU-19	1	*	<15mR/hr	10 <sup>-1</sup> to 10 <sup>4</sup> mR/hr	22
C. Containment RU-148 & RU-149	2	1,2,3,4	<10R/hr	1R/hr to 10 <sup>7</sup> R/hr	27
D. Containment Power Access Purge Exhaust RU-37 & RU-38	1	#	<2.5mR/hr	10 <sup>-1</sup> to 10 <sup>-4</sup> mR/hr	25
E. Main Steam					
1) RU-139 A&B	1	1,2,3,4	##	10 <sup>0</sup> to 10 <sup>5</sup> mR/hr	27
2) RU-140 A&B	1	1,2,3,4	##	10 <sup>0</sup> to 10 <sup>5</sup> mR/hr	27
2. Process Monitors					
A. Containment Building Atmosphere RU-1	2	1,2,3,4			23 & 27
1) Particulate			<2.3x10 <sup>-6</sup> μCi/cc Cs-137	10 <sup>-9</sup> to 10 <sup>-4</sup> μCi/cc	
2) Gaseous			<6.6x10 <sup>-2</sup> μCi/cc Xe-133	10 <sup>-6</sup> to 10 <sup>-1</sup> μCi/cc	
B. Noble Gas Monitors Control Room Ventilation Intake RU-29 & RU-30	1	ALL MODES	<2x10 <sup>-5</sup> μCi/cc	10 <sup>-6</sup> to 10 <sup>-1</sup> μCi/cc	26
3. Post Accident Sampling System	1###	1,2,3	N.A.	N.A.	28

\*With fuel in the storage pool or building.

\*\*With irradiated fuel in the storage pool.

#When purge is being used.

##Three (3) times background in Rem/hour.

###The Minimum Channels Operable will be defined in the Preplanned Alternate Sampling Program.



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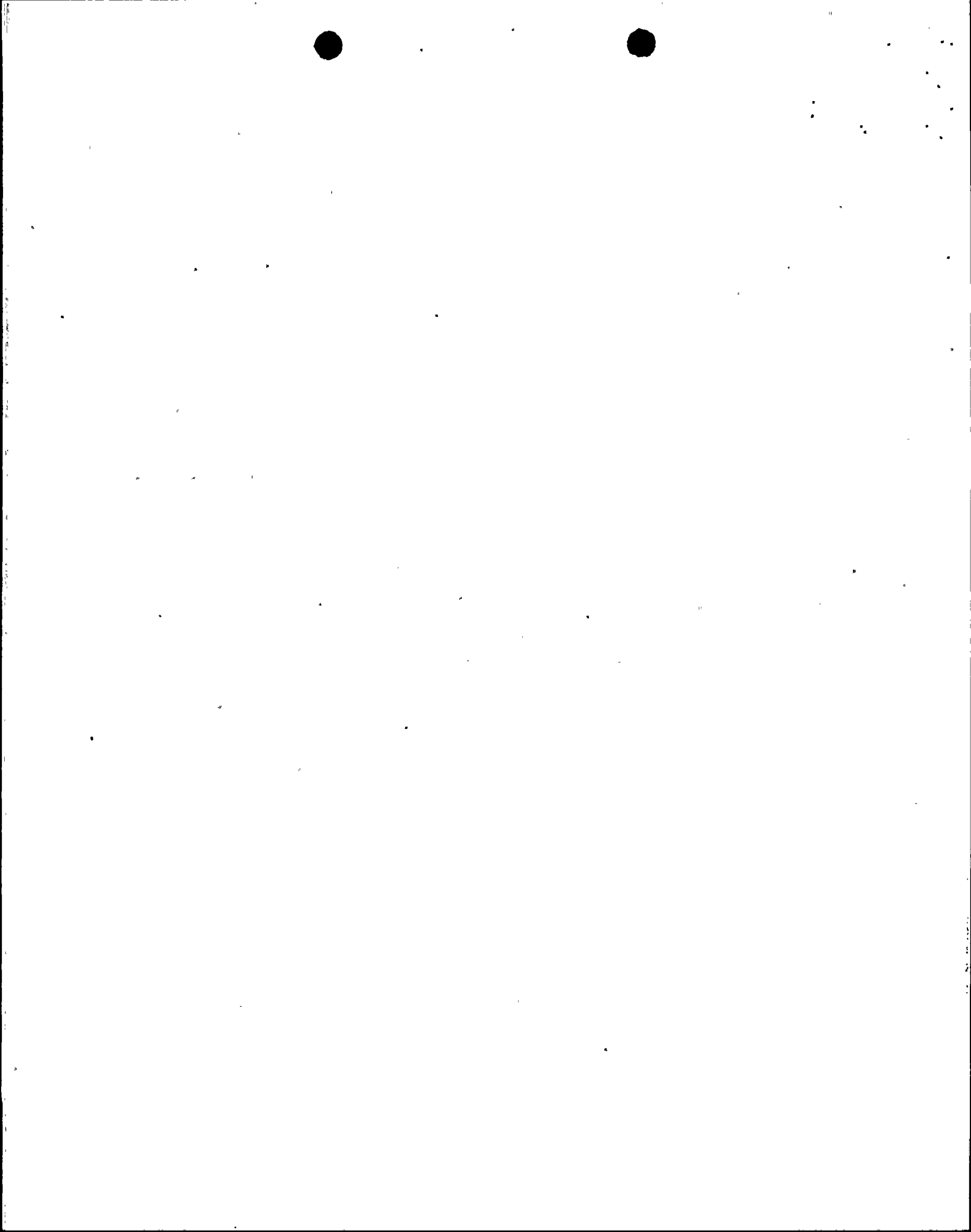
PALO VERDE NUCLEAR GENERATING STATION, UNIT NO. 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 3  
License No. NPF-74

- I. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment, dated November 20, 1987, by the Arizona Public Service Company (APS) on behalf of itself and the Salt River Project Agricultural Improvement and Power District, El Paso Electric Company, Southern California Edison Company, Public Service Company of New Mexico, Los Angeles Department of Water and Power, and Southern California Public Power Authority (licensees), complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's 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 regulations of the Commission;
  - C. There is reasonable assurance (i) that the activity 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.





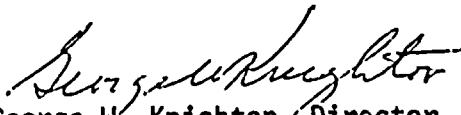
2. Accordingly, the license is amended by a change to the Technical Specifications as indicated in the enclosure to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-74 is hereby amended to read as follows:

(2) Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 3, and the Environmental Protection Plan contained in Appendix B, are hereby incorporated into this license. APS shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

3. This license amendment is effective as of the date of issuance. The change in the Technical Specifications is to become effective within 30 days of issuance of the amendment. In the period between issuance of the amendment and the effective date of the new Technical Specifications, the licensees shall adhere to the Technical Specifications existing at the time. The period of time during changeover shall be minimized.

FOR THE NUCLEAR REGULATORY COMMISSION

  
George W. Knighton, Director  
Project Directorate V  
Division of Reactor Projects - III,  
IV, V and Special Projects

Enclosure:  
Change to the Technical  
Specifications

Date of Issuance: February 26, 1988



ENCLOSURE TO LICENSE AMENDMENT

AMENDMENT NO. 3 TO FACILITY OPERATING LICENSE NO. NPF-74

DOCKET NO. STN 50-530

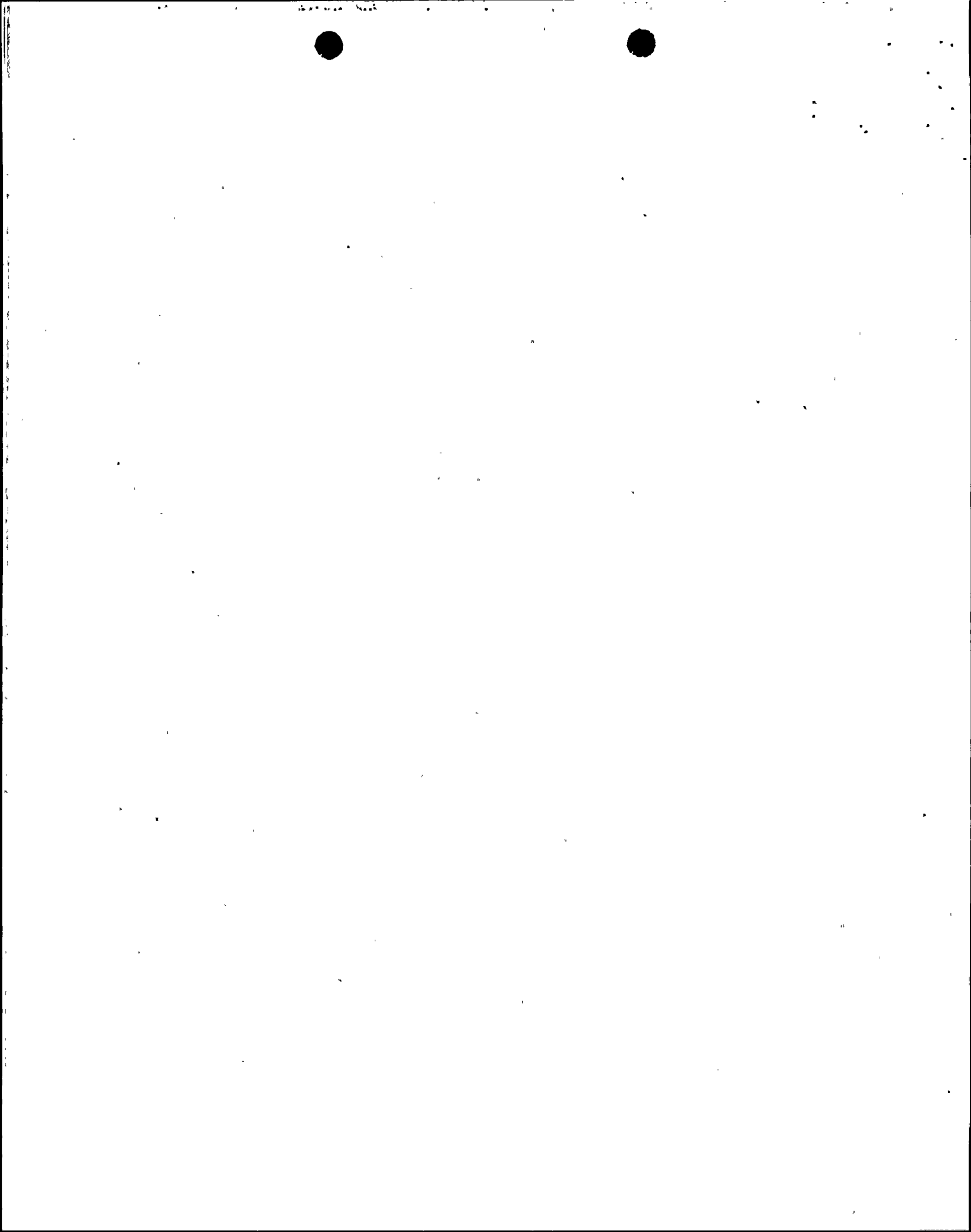
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## INSTRUMENTATION

### 3/4.3.3 MONITORING INSTRUMENTATION

#### RADIATION MONITORING INSTRUMENTATION

#### LIMITING CONDITION FOR OPERATION

---

3.3.3.1 The radiation monitoring instrumentation channels shown in Table 3.3-6 shall be OPERABLE with their alarm/trip setpoints within the specified limits.

APPLICABILITY: As shown in Table 3.3-6.

ACTION:

- a. With a radiation monitoring channel alarm/trip setpoint exceeding the value shown in Table 3.3-6, adjust the setpoint to within the limit within 4 hours or declare the channel inoperable.
- b. With the number of channels OPERABLE one less than the Minimum Channels OPERABLE requirement, take the ACTION shown in Table 3.3-6.
- c. The provisions of Specifications 3.0.3 and 3.0.4 are not applicable.

#### SURVEILLANCE REQUIREMENTS

---

4.3.3.1 Each radiation monitoring instrumentation channel shall be demonstrated OPERABLE by the performance of the CHANNEL CHECK, CHANNEL CALIBRATION, and CHANNEL FUNCTIONAL TEST operations for the MODES and at the frequencies shown in Table 4.3-3.

TABLE 3.3-6

RADIATION MONITORING INSTRUMENTATION

<u>INSTRUMENT</u>	<u>MINIMUM CHANNELS OPERABLE</u>	<u>APPLICABLE MODES</u>	<u>ALARM/TRIP SETPOINT</u>	<u>MEASUREMENT RANGE</u>	<u>ACTION</u>
1. Area Monitors					
A. Fuel Pool Area RU-31	1	**	<15mR/hr	10 <sup>-1</sup> to 10 <sup>4</sup> mR/hr	22 & 24
B. New Fuel Area RU-19	1	*	<15mR/hr	10 <sup>-1</sup> to 10 <sup>4</sup> mR/hr	22
C. Containment RU-148 & RU-149	2	1,2,3,4	<10R/hr	1R/hr to 10 <sup>7</sup> R/hr	27
D. Containment Power Access Purge Exhaust RU-37 & RU-38	1	#	<2.5mR/hr	10 <sup>-1</sup> to 10 <sup>4</sup> mR/hr	25
E. Main Steam					
1) RU-139 A&B	1	1,2,3,4	##	10 <sup>0</sup> to 10 <sup>5</sup> mR/hr	27
2) RU-140 A&B	1	1,2,3,4	##	10 <sup>0</sup> to 10 <sup>5</sup> mR/hr	27
2. Process Monitors					
A. Containment Building Atmosphere RU-1	2	1,2,3,4			23 & 27
1) Particulate			<2.3x10 <sup>-6</sup> μCi/cc Cs-137	10 <sup>-9</sup> to 10 <sup>-4</sup> μCi/cc	
2) Gaseous			<6.6x10 <sup>-2</sup> μCi/cc Xe-133	10 <sup>-6</sup> to 10 <sup>-1</sup> μCi/cc	
B. Noble Gas Monitors Control Room Ventilation Intake RU-29 & RU-30	1	ALL MODES	<2x10 <sup>-5</sup> μCi/cc	10 <sup>-6</sup> to 10 <sup>-1</sup> μCi/cc	26
3. Post Accident Sampling System	1###	1,2,3	N.A.	N.A.	28

\*With fuel in the storage pool or building.

\*\*With irradiated fuel in the storage pool.

#When purge is being used.

##Three (3) times background in Rem/hour.

###The Minimum Channels Operable will be defined in the Preplanned Alternate Sampling Program.