



SACRAMENTO MUNICIPAL UTILITY DISTRICT P. O. Box 15830, Sacramento CA 95852-1830, (916) 452-3211
AN ELECTRIC SYSTEM SERVING THE HEART OF CALIFORNIA

AGM/NUC 90-040

February 9, 1990

U. S. Nuclear Regulatory Commission
Attn: J. B. Martin, Regional Administrator
Region V
1450 Maria Lane, Suite 210
Walnut Creek, CA 94596

02/15/90 10:11

Docket No. 50-312
Rancho Seco Nuclear Generating Station
License No. DPR-54
SPECIAL REPORT 90-1: FIRE BARRIERS BREACHED MORE THAN 7 DAYS
SPECIAL REPORT 90-2: FIRE BARRIERS BREACHED MORE THAN 7 DAYS
SPECIAL REPORT 90-3: FIRE SUPPRESSION WATER SYSTEM ISOLATED MORE THAN 7 DAYS
SPECIAL REPORT 90-4: FIRE BARRIERS BREACHED MORE THAN 7 DAYS

Dear Mr. Martin:

Eleven fire barrier penetrations and fire door AU-133 were not restored to operable status within the 7 days required by the Rancho Seco Technical Specifications. The Sacramento Municipal Utility District hereby submits Special Reports 90-1, 90-2 and 90-4 in accordance with Technical Specification 3.14.6.2.

Zone 81 water deluge system was not returned to operable status within 7 days as required by the Rancho Seco Technical Specifications. The Sacramento Municipal Utility District hereby submits Special Report 90-3 in accordance with Technical Specification 3.14.2.2.

All fire barrier penetrations and the fire door have been returned to operable status. Compensatory measures will remain in place for Zone 81 as required by Technical Specification 3.14.6.2 until the water deluge system is returned to operable status.

Members of your staff with questions requiring additional information or clarification may contact Ed Bennett at (209) 333-2935, extension 4648.

Sincerely,

Dan R. Keuter
Assistant General Manager
Nuclear

Attachment

cc w/atch: A. D'Angelo, NRC, Rancho Seco
Document Control Desk, Washington DC

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SPECIAL REPORT NUMBER 90-01
Fire Barriers Breached More Than 7 Days

Date of Occurrence

January 10, 1990 and January 16, 1990

Plant Conditions at Time of Occurrence

The plant is in a defueled condition. The reactor vessel head was placed back on the reactor vessel on January 19. Installation and tensioning of the head closure studs was completed on January 30, 1990.

Identification of Occurrence

Fire barrier penetrations 85/1-87aa and 334 at the 40'-0" elevation of the NSEB were not restored to operable status within the 7 days required by Rancho Seco Technical Specification 3.14.6.2.

Description of Occurrence

Penetration 85/1-87aa failed surveillance test SP.716, Refueling Interval Fire Barrier Penetrations (NSEB, 60'-0" Elevation and 40'- 0" Elevation), on January 3, 1990 due to seal degradation. On January 9, 1990 Penetration 334 also failed SP.716 due to seal degradation.

Corrective Action Taken

Operability of fire detectors was verified on at least one side of the breached barriers and hourly fire watches established in accordance with Technical Specification 3.14.6.2. These penetrations were resealed and returned to operable status on February 2, 1990.

SPECIAL REPORT NUMBER 90-02
Fire Barrier Breached More Than 7 Days

Date of Occurrence

January 18, 1990

Plant Conditions at Time of Occurrence

The plant is in a defueled condition. The reactor vessel head was placed back on the reactor vessel on January 19. Installation and tensioning of the head closure studs was completed on January 30, 1990.

Identification of Occurrence

Fire door AU-133 (Control Room door) was not restored to operable status within the 7 days required by Rancho Seco Technical Specification 3.14.6.2.

Description of Occurrence

On January 11, 1990, Fire Door AU-133 was declared inoperable when the door latch broke.

Corrective Action Taken

Operability of fire detectors was verified on at least one side of the breached barriers and hourly fire watches established in accordance with Technical Specification 3.14.6.2. The door latch was replaced and the fire door was restored to operable status on January 19, 1990.

SPECIAL REPORT NUMBER 90-03
Fire Suppression Water System Isolated More Than 7 Days

Date of Occurrence

January 19, 1990

Plant Conditions at Time of Occurrence

The plant is in a defueled condition. The reactor vessel head was placed back on the reactor vessel on January 19. Installation and tensioning of the head closure studs was completed on January 30, 1990.

Identification of Occurrence

Zone 81 water deluge system for the NSEB B Cable Shaft area was not returned to operable status within 7 days as required by Technical Specification 3.14.2.2.

Description of Occurrence

The deluge system for Zone 81 was isolated on January 5, 1990 due to a false alarm associated with pressure switch PSH-99640.

Corrective Action Taken

Operability of fire detectors was verified on at least one side of the breached barriers and hourly fire watches established in accordance with Technical Specification 3.14.6.2. The cause of the false alarm will be identified and corrected and Zone 81 water deluge system returned to operable status.

SPECIAL REPORT NUMBER 90-04
Fire Barriers Breached More Than 7 Days

Date of Occurrence

January 30, 1990 and January 31, 1990

Plant Conditions at Time of Occurrence

The plant is in a defueled condition. The reactor vessel head was placed back on the reactor vessel on January 19. Installation and tensioning of the head closure studs was completed on January 30, 1990.

Identification of Occurrence

The fire barrier penetrations in the NSEB listed below were not restored to operable status within the 7 days required by Rancho Seco Technical Specification 3.14.6.2.

<u>Penetration</u>	<u>NSEB Elevation</u>	<u>Date Penetration Failed</u>
77/2-75/1AB	21'-6"	1/23/90
78/2-70AA	21'-6"	1/23/90
78/2-82AA	21'-6"	1/23/90
242	21'-6"	1/23/90
241	21'-6"	1/23/90
124	1'-6"	1/24/90
125	1'-6"	1/24/90
131	1'-6"	1/24/90
237	21'-6"	1/24/90

Description of Occurrence

The penetrations listed above failed surveillance test SP.715, Refueling Interval Fire Barrier Penetrations (NSEB, 21'-6" Elevation, 1'-6" Elevation, and (-)20'-0" Elevation), due to seal degradation.

Corrective Action Taken

Operability of fire detectors was verified on at least one side of the breached barriers and hourly fire watches established in accordance with Technical Specification 3.14.6.2. These penetrations were resealed and returned to operable status on January 31, 1990.