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LR-N05-0319
Bases Change S05-05B

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555-0001

TECHNICAL SPECIFICATION BASES CHANGE S05-05B
SALEM GENERATING STATION UNIT NOS. 1 AND 2
FACILITY OPERATING LICENSE NOS. DPR-70 AND DPR-75
DOCKET NOS. 50-272 AND 50-311

PSEG Nuclear, LLC (PSEG) has revised the Bases for Technical Specification (TS) 3/4.3.3.1. This change was reviewed in accordance with the requirements of the Technical Specification Bases Control Program and 10 CFR 50.59.

TS Bases 3/4.3.3.1 is being changed to provide additional clarifying information on radiation monitoring channels meeting the "Minimum Channels Operable" requirement.

Attachment 1 contains the revised pages for the Salem Unit 1 Technical Specification Bases. Attachment 2 contains the revised page for the Salem Unit 2 Technical Specification Bases. In accordance with the TS Bases Control Program, PSEG has incorporated these changes into the Bases.

Should you have any questions regarding this transmittal, please contact Mr. Paul Duke at (856) 339-1466.

Sincerely,

Darin M Benyak

Darin Benyak
Director - Regulatory Assurance

Attachments (2)

A001

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SALEM GENERATING STATION UNIT NO. 1
FACILITY OPERATING LICENSE NO. DPR-70
DOCKET NO. 50-272
REVISIONS TO THE TECHNICAL SPECIFICATIONS BASES

Page

B 3/4 3-2
B 3/4 3-2a

3/4.3.3.1 RADIATION MONITORING INSTRUMENTATION (Continued)

CROSS REFERENCE - TABLES 3.3-6 AND 4.3-3

T/S Table Item No.	Instrument Description	Acceptable RMs Channels
1a	Fuel Storage Area	1R5 or 1R9
1b	Containment Area	1R44A and B
2a1a	Containment Gaseous Activity Purge & Pressure/Vacuum Relief Isolation	1R12A or 1R41A, and D[1] [2]
2a1b	Containment Gaseous Activity RCS Leakage Detection	1R12A
2a2a	(NOT USED)	
2a2b	Containment Air Particulate Activity RCS Leakage Detection	1R11A
2b1	Noble Gas Effluent Medium Range Auxiliary Building Exhaust System (Plant Vent)	1R41B & D [1] [3] [5]
2b2	Noble Gas Effluent High Range Auxiliary Building Exhaust System (Plant Vent)	1R41C & D [1] [4] [5]
2b3	Noble Gas Effluent Main Steamline Discharge - Safety Valves and Atmospheric Steam Dumps	1R46[6]
2b4	Noble Gas Effluent Condenser Exhaust System	1R15
3a	Unit 1 Control Room Intake Channel 1 (to Unit 1 Monitor)	1R1B-1
	Unit 1 Control Room Intake Channel 2 (to Unit 2 Monitor)	2R1B-2
	Unit 2 Control Room Intake Channel 1 (to Unit 2 Monitor)	2R1B-1
	Unit 2 Control Room Intake Channel 2 (to Unit 1 Monitor)	1R1B-2

Immediate action(s), in accordance with the LCO Action Statements, means that the required action should be pursued without delay and in a controlled manner.

(1) The channels listed are required to be operable to meet a single operable channel for the Technical Specificiation's "Minimum Channels Operable" requirement.

(2) The setpoint applies to 1R41D. The measurement range applies to 1R41A and B which display in uCi/cc using the appropriate channel conversion factor from cpm to uCi/cc.

(3) 1R41D is the setpoint channel; 1R41B is the measurement channel.

(4) 1R41D is the setpoint channel; 1R41C is the measurement channel.

(5) The new release rate channel 1R41D setpoint value of 2E4 uCi/sec is within the bounds of the concentration setpoint values listed in Table 3.3-6 (originally for 1R45) for normal and accident plant vent flow rates.

(6) Channel 1R46E monitors the effluent from channels 1R46A-D and therefore provides redundancy for each steam line. With one of the 1R46A-D channels inoperable, the 1R46E channel may be relied upon to meet the Technical Specification's "Minimum Channels Operable" requirement.

3/4.3.3.2 MOVABLE INCORE DETECTORS

The OPERABILITY of the movable incore detectors with the specified minimum complement of equipment ensures that the measurements obtained from use of this system accurately represent the spatial neutron flux distribution of the reactor core. The OPERABILITY of this system is demonstrated by irradiating each detector used and normalizing its respective output. The operability requirements of the movable incore detector system for the purposes of calibration of the PDMS is specified in Specification 3.3.3.14.

For the purpose of measuring $F_Q(Z)$ or $F^N_{\Delta H}$, a full incore flux map or the PDMS is used. Quarter-core flux maps, as defined in WCAP-8648, June 1976, may be used in recalibration of the excore neutron flux detection system, and full incore flux maps or symmetric incore thimbles may be used for monitoring the QUADRANT POWER TILT RATIO when one Power Range Channel is inoperable.

3/4.3.3.3

THIS SECTION DELETED

3/4.3.3.4

THIS SECTION DELETED

SALEM GENERATING STATION UNIT NO. 2
FACILITY OPERATING LICENSE NO. DPR-75
DOCKET NO. 50-311
REVISIONS TO THE TECHNICAL SPECIFICATIONS BASES

Page

B 3/4 3-2

3/4.3.3.1 RADIATION MONITORING INSTRUMENTATION (Continued)

CROSS REFERENCE - TABLES 3.3-6 and 4.3-3

T/S Table Item No.	Instrument Description	Acceptable RMs Channels
1a	Fuel Storage Area	2R5 or 2R9
1b	Containment Area	2R44A and B
2a1a	Containment Gaseous Activity Purge & Pressure/Vacuum Relief Isolation	2R12A or 2R41A, B and D(1) (2)
2a1b	Containment Gaseous Activity RCS Leakage Detection	2R12A
2a2a	(NOT USED)	
2a2b	Containment Air Particulate Activity RCS Leakage Detection	2R11A
2b1	Noble Gas Effluent Medium Range Auxiliary Building Exhaust System (Plant Vent)	2R45B(3)
2b2	Noble Gas Effluent High Range Auxiliary Building Exhaust System (Plant Vent)	2R45C(3)
2b3	Noble Gas Effluent Main Steamline Discharge - Safety Valves and Atmospheric Steam Dumps	2R46(4)
2b4	Noble Gas Effluent Condenser Exhaust System	2R15
3a	Unit 2 Control Room Intake Channel 1 (to Unit 2 Monitor) Unit 2 Control Room Intake Channel 2 (to Unit 1 Monitor) Unit 1 Control Room Intake Channel 1 (to Unit 1 Monitor) Unit 1 Control Room Intake Channel 2 (to Unit 2 Monitor)	2R1B-1 1R1B-2 1R1B-1 2R1B-2

(1) The channels listed are required to be operable to meet a single operable channel for the Technical Specification's "Minimum Channels Operable" requirement.
(2) For Modes 1, 2, 3, 4 & 5, the setpoint applies to 2R41D per Specification 3.3.3.9. The measurement range applies to 2R41A and B which display in uCi/cc using the appropriate channel conversion factor from cpm to uCi/cc.
(3) If 2R45 is out of service 2R41 may be used to meet the technical specification action requirement.
(4) Channel 2R46E monitors the effluent from channels 2R46A-D and therefore provides redundancy for each steam line. With one of the 2R46A-D channels inoperable, the 2R46E channel may be relied upon to meet the Technical Specification's "Minimum Channels Operable" requirement.