

TABLE 3.3.2-2 (Continued)

ISOLATION ACTUATION INSTRUMENTATION SETPOINTS

<u>TRIP FUNCTION</u>	<u>TRIP SETPOINT</u>	<u>ALLOWABLE VALUE</u>
1. <u>Primary Containment Isolation Signals (Continued)</u>		
i. RWCU System		
1) Δ Flow - High	≤150.5 gpm	≤165.5 gpm
2) Δ Flow - High, Timer	≤45 sec	≤47 sec
3) Standby Liquid Control, SLCS, Initiation	NA	NA
j. RWCU Equipment Area Temperature		
1) Pump Room A Temperature - High	≤135°F	≤144.5°F
2) Pump Room B Temperature - High	≤150°F	≤159.5°F
3) HX Room Temperature - High	≤135°F	≤140.5°F
k. Reactor Building Pipe Chase		
1) Azimuth 180° (Upper), Temperature - High	≤135°F	≤144.5°F
2) Azimuth 180° (Lower), Temperature - High	≤135°F	≤140.5°F
3) Azimuth 40°, Temperature - High	≤135°F	≤140.5°F
l. Reactor Building Temperature - High	≤130.2°F	≤134°F
m. Manual Isolation Pushbutton [NSSSS]	NA	NA
2. <u>RCIC Isolation Signals</u>		
a. RCIC Steam Line Flow - High, Timer	≥3 sec, <13 sec	13 sec
b. RCIC Steam Supply Pressure - Low	≥75 psia	≥70 psia
c. RCIC Steam Line Flow - High	≤184.5 in. H ₂ O**	≤193.0 in. H ₂ O**

NINE MILE POINT - UNIT 2

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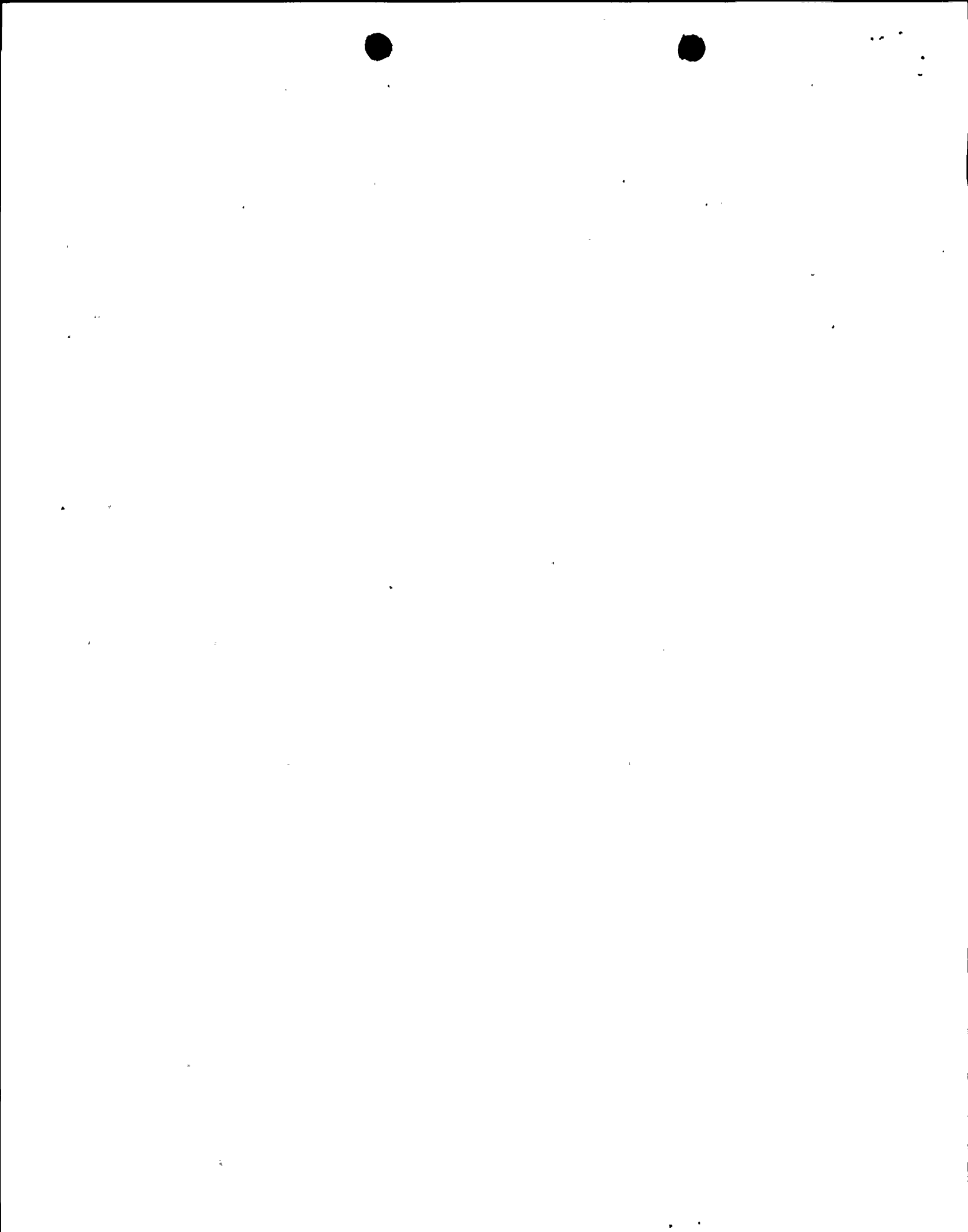
TABLE 4.3.2.1-1 (Continued)

ISOLATION ACTUATION INSTRUMENTATION SURVEILLANCE REQUIREMENTS

<u>TRIP FUNCTION</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL FUNCTION TEST</u>	<u>CHANNEL CALIBRATION</u>	<u>OPERATIONAL CONDITIONS FOR WHICH SURVEILLANCE IS REQUIRED</u>
1. <u>Primary Containment Isolation Signals (Continued)</u>				
h. SGTS Exhaust - High Radiation	NA	M	R	1, 2, 3
i. RWCU System				
1) ΔFlow - High	S	M	R	1, 2, 3
2) ΔFlow - High, Timer	NA	M	R	1, 2, 3
3) Standby Liquid Control, SLCS, Initiation	NA	R	NA	1, 2, 5††
j. RWCU Equipment Area				
1) Pump Room A Temperature - High	S	M	R(b)	1, 2, 3
2) Pump Room B Temperature - High	S	M	R(b)	1, 2, 3
3) HX Room Temperature - High	S	M	R(b)	1, 2, 3
k. Reactor Building Pipe Chase				
1) Azimuth 180° (Upper), Temperature - High	S	M	R(b)	1, 2, 3
2) Azimuth 180° (Lower), Temperature - High	S	M	R(b)	1, 2, 3
3) Azimuth 40°, Temperature - High	S	M	R(b)	1, 2, 3
l. Reactor Building Temperature - High	S	M	R(b)	1, 2, 3
m. Manual Isolation Pushbutton [NSSSS]	NA	M(c)	NA	1, 2, 3

NINE MILE POINT - UNIT 2

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CONTAINMENT SYSTEMS

SECONDARY CONTAINMENT

STANDBY GAS TREATMENT SYSTEM

SURVEILLANCE REQUIREMENTS

4.6.5.3 (Continued)

d. At least once per 18 months by:

1. Verifying that the pressure drop across the combined HEPA filters and charcoal adsorber banks is less than 5.5 inches Water Gauge while operating the filter train at a flow rate of 4000 cfm \pm 10%.
 2. Verifying that the filter train starts and isolation valves open on each of the following test signals:
 - a. Manual initiation from the control room, and
 - b. Simulated automatic initiation signal.
 3. Verifying that the decay heat removal air inlet valves are closed and can be manually opened.
 4. Verifying that the heaters dissipate 20.0 \pm 2.0 kW when ^{tested} heated in accordance with ANSI N510-1980.
- e. After each complete or partial replacement of a HEPA filter bank by verifying that the HEPA filter bank satisfies the in-place penetration and bypass leakage testing acceptance criteria of less than 0.05% in accordance with ANSI N510-1980 while operating the system at a flow rate of 4000 cfm \pm 10%.
- f. After each complete or partial replacement of a charcoal adsorber bank by verifying that the charcoal adsorber bank satisfies the in-place penetration and bypass leakage testing acceptance criteria of less than 0.05% in accordance with ANSI N510-1980 for a halogenated hydrocarbon refrigerant test gas while operating the system at a flow rate of 4000 cfm \pm 10%.



ELECTRICAL POWER SYSTEMS

ELECTRICAL EQUIPMENT PROTECTIVE DEVICES

REACTOR PROTECTION SYSTEM ELECTRIC POWER MONITORING (SCRAM SOLENOIDS)

LIMITING CONDITIONS FOR OPERATION

3.8.4.5 Two RPS ~~UPS~~ electrical protection assemblies (EPAs) for each inservice RPS MG set or alternate source shall be OPERABLE.

APPLICABILITY: At all times.

ACTION:

- a. With one RPS electrical protection assembly for an inservice RPS MG set or alternate power supply inoperable, restore the inoperable EPA to OPERABLE status within 72 hours or remove the associated RPS MG set or alternate power supply from service.
- b. With both RPS electrical protection assemblies for an inservice RPS MG set or alternate power supply inoperable, restore at least one EPA to OPERABLE status within 30 minutes or remove the associated RPS MG set or alternate power supply from service.

SURVEILLANCE REQUIREMENTS

4.8.4.5 The above specified RPS electrical protection assemblies shall be determined OPERABLE:

- a. At least once per 6 months by performance of a CHANNEL FUNCTIONAL TEST and;
- b. At least once per 18 months by demonstrating the OPERABILITY of over-voltage, undervoltage and underfrequency protective instrumentation by performance of a CHANNEL CALIBRATION including simulated automatic actuation of the protective relays, tripping logic and output circuit breakers and verifying the following setpoints.
 1. Overvoltage Bus A: ≤ 128.8 volts AC
Bus B: ≤ 130.0 volts AC
 2. Undervoltage Bus A: ≥ 114.5 volts AC
Bus B: ≥ 115.1 volts AC
 3. Underfrequency ≥ 57 Hz



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ADMINISTRATIVE CONTROLS

REPORTING REQUIREMENTS

ROUTINE REPORTS

STARTUP REPORT

6.9.1.1 A summary report of plant startup and power escalation testing shall be submitted following (1) receipt of an Operating License, (2) amendment to the license involving a planned increase in power level, (3) installation of fuel that has a different design or has been manufactured by a different fuel supplier, and (4) modifications that may have significantly altered the nuclear, thermal, or hydraulic performance of the ~~audit~~ ^{unit}.

6.9.1.2 The startup report shall address each of the tests identified in the Final Safety Analysis Report Subsection 14.2.12.2 and shall include a description of the measured values of the operating conditions or characteristics obtained during the test program and a comparison of these values with design predictions and specifications. Any corrective actions that were required to obtain satisfactory operation shall also be described. Any additional specific details required in license conditions based on other commitments shall be included in this report.

6.9.1.3 Startup reports shall be submitted within (1) 90 days following completion of the startup test program, (2) 90 days following resumption or commencement of commercial power operation, or (3) 9 months following initial criticality, whichever is earliest. If the startup report does not cover all three events (i.e., initial criticality, completion of startup test program, and resumption or commencement of commercial operation), supplementary reports shall be submitted at least every 3 months until all three events have been completed.

ANNUAL REPORTS

6.9.1.4 Annual reports covering the activities of the unit as described below for the previous calendar year shall be submitted before March 1 of each year. The initial report shall be submitted before March 1 of the year after the plant achieves initial criticality.

6.9.1.5 Reports required on an annual basis shall include:

- a. A tabulation of the number of station, utility, and other personnel (including contractors) receiving exposures greater than 100 mrem/yr and their associated man-rem exposure according to work and job functions* (e.g., reactor operations and surveillance, inservice inspection, routine maintenance, special maintenance, waste processing, and refueling). The dose assignments to various duty functions may be estimated on the basis of pocket dosimeter, thermoluminescent dosimeter (TLD), or film badge measurements. Small exposures totaling 20% of the individual total dose need not be accounted for. In the aggregate, at least 80% of the total

* This tabulation supplements the requirements of 10 CFR 20.407.



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