

SURVEILLANCE REQUIREMENTS

4.3 INSTRUMENTATION

4.3.1 NEUTRON MONITORING INSTRUMENTATION

4.3.1.1 Each neutron monitoring instrumentation channel shall be demonstrated OPERABLE by the performance of the CHANNEL CHECK, CHANNEL CALIBRATION and CHANNEL FUNCTIONAL TEST operations during RECOVERY MODE and at the frequency shown in Table 4.3-1.

4.3.2 ENGINEERED SAFETY FEATURE ACTUATION SYSTEM INSTRUMENTATION

4.3.2.1 Each ESFAS instrumentation channel shall be demonstrated OPERABLE (per occupational exposure considerations) by the performance of the CHANNEL CHECK, CHANNEL CALIBRATION and CHANNEL FUNCTIONAL TEST operations during RECOVERY MODE and at the frequencies shown in Table 4.3-2.

4.3.3 MONITORING INSTRUMENTATION

RADIATION MONITORING INSTRUMENTATION

4.3.3.1 Each fuel storage pool area radiation monitoring instrumentation channel shall be demonstrated OPERABLE (per occupational exposure considerations) by the performance of the CHANNEL CHECK, CHANNEL CALIBRATION and CHANNEL FUNCTIONAL TEST operations at the frequencies shown in Table 4.3-3 and by verifying the alarm/trip setpoints are adjusted in accordance with procedures approved pursuant to Technical Specification 6.8.2 for the gaseous activity monitor, radioactive iodine monitor and particulate activity monitor.

4.3.3.2 Each AMS-3 particulate monitor used for the EPICOR-II Prefilter purging and inerting operation shall be demonstrated operable by the performance of the channel checks, calibrations, and functional tests at the frequencies shown in Table 4.3-3 and by verifying alarm/trip setpoints are adjusted in accordance with procedures approved pursuant to Technical Specification 6.8.2.

SEISMIC INSTRUMENTATION

4.3.3.3.1 Each of the accessible (per occupational exposure considerations) seismic monitoring instruments shall be demonstrated OPERABLE by the performance of the CHANNEL CHECK, CHANNEL CALIBRATION and CHANNEL FUNCTIONAL TEST operations at the frequencies shown in Table 4.3-4.

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4.3.3.3.2 Each of the accessible (per occupational exposure considerations) seismic monitoring instruments actuated during a seismic event shall be restored to OPERABLE status within 24 hours and a CHANNEL CALIBRATION performed within 5 days following the seismic event. Data shall be retrieved from actuated instruments and analyzed to determine the magnitude of the vibratory ground motion. A Special Report shall be prepared and submitted to the Commission pursuant to Specification 6.9.2 within 10 days describing the magnitude, frequency spectrum and resultant effect upon facility features important to safety.

TABLE 4.3-3

RADIATION MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS

<u>FUNCTIONAL UNIT</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>	<u>CHANNEL FUNCTIONAL TEST</u>
1. PROCESS MONITORS			
a. Fuel Storage Pool Area			
i. Gaseous Activity	S	R	M
ii. Particulate Activity	S	R	M
iii. Radioactive Iodine	S	R	M
2. EPICOR II Purge Monitors (AMS-3)	D	SA	W

PROPOSED

4.3-4

THREE MILE ISLAND - UNIT 2