

3/4.1 CRITICALITY DETECTION

LCO 3.1.1 Criticality Accident Alarm Systems

SURVEILLANCE REQUIREMENTS

SURVEILLANCE REQUIREMENT		FREQUENCY
SR 4.1.1.1	VERIFY the plant dry air header pressure to the X-7725 facility is greater than or equal to 90 psig.	WEEKLY
SR 4.1.1.2	Confirm LIMITED ACCESS AREA CONTROLS are in place.	MONTHLY
SR 4.1.1.3	VERIFY nitrogen cylinder supply is greater than or equal to 900 psig for each nitrogen operated CAAS horn.	QUARTERLY
SR 4.1.1.4	VERIFY the regulated nitrogen pressure is greater than or equal to 60 psig and is less than or equal to 180 psig for each nitrogen operated CAAS horn.	QUARTERLY
SR 4.1.1.5	VERIFY radiation clusters are calibrated to a set point of 5 mRad/hr.	SEMIANNUALLY
SR 4.1.1.6	Confirm a FUNCTIONAL TEST that VERIFIES the following actions occur when two out of three channels in a cluster are tripped: <ul style="list-style-type: none">• Actuation of cluster horn(s) and Building Evacuation horns.• Actuation of Building Evacuation Lights.• Receipt of alarm in the X-300 master control room.• Verification that the horns are clearly audible above normal background noise throughout the associated IEZ, except for outside areas where visible Building Evacuation Lights are provided.	SEMIANNUALLY

