

Based on the above findings, this portion of the licensee's program appears to be acceptable.

#### 4.1.1.6 Post-accident Containment Air Sampling and Analysis

The containment air sampler, designated as RM-A2, was located on the 281-foot level of the Intermediate Building. This location is expected to be habitable during an emergency. No special arrangements had been made to satisfy the ALARA requirement.

	Instrument Range (RM-A2)	
	lowest concentration uCi/cc	maximum concentration uCi/cc
noble gas	2E-6	1E-2
particulate	1E-11	1E-7
iodine	1E-11	1E-7

The location where RM-A2 was located had no area radiation detector. Monitoring of this location would be done by licensee personnel during entry. The instrument was equipped with valves and snap-in connectors so that the pump could be used to pull air samples through an iodine cartridge, a particulate filter and to fill a gas sample chamber. These samples could be transported to the counting laboratory in a shielded container; tongs were available for remote handling. (The sample analysis facility is addressed in Section 5.4.2.7 of this report and was found acceptable.) The instrument and detectors described in Sections 5.4.2.6 and 5.4.2.7 of this report were in place. The collection media and handling devices were available. The sample could be analyzed and the results known in less than 3 hours.

RM-A9 monitors the noble gases in the purge line from containment. The RM-A9 system had been modified to extend its range by the addition of a GM and a separate measuring and readout circuit to monitor a separate sample volume in a shield. In addition, a shielded ion chamber was being added to monitor the purge gas line.

These modifications extended the range of measurement to 1E5 uCi/cc concentrations of noble gases in containment and provided a remote readout in the Control Room. RM-A9 was currently located on the 281-foot level of the Intermediate Building and was scheduled to be moved to a new concrete block building over the exhaust duct. This new location would be accessible from outside the building.