PLANT SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

- c. At least once per 18 months, or (1) after any structural maintenance on the HEPA filter or charcoal adsorber housings, or (2) following painting, fire or chemical release in any ventilation zone communicating with the system by:
 - Verifying that the Control Room Emergency Ventilation System satisfies the in-place penetration and bypass leakage testing acceptance criteria of less than 1% and uses the test procedure guidance in Regulatory Positions C.5.a, C.5.c, and C.5.d of

Z2000 cfm + 700 Regulatory Guide 1.52, Revision 2, March 1978, and the system flow rate is 2000 cfm + 10% for the Filtration System and 2000 cfm + 800 2000 cfm ± 10% for the Pressurization System with 500 cfm ± 10% going through the Pressurization System filter adsorber unit;

Verifying, within 31 days after removal, that a laboratory analysis of a representative carbon sample obtained in accordance with Regulatory Position C.6.b of Regulatory Guide 1.52, Revision 2.
March 1978, meets the laboratory testing criteria of Regulatory Position C.6.a of Regulatory Guide 1.52, Revision 2, March 1978, for a methyl iodide penetration of less than 1%; and 2000 cfm + 700

pr.

REVISION 1

500 cfm + 500

3) 500cfm + 500 - 50

Verifying a system flow rate of 2000 cfm + 10% for the Filtration System and 2000 cfm ± 10% for the Pressurization System with 500 cfm ± 10% going through the Pressurization System filter adsorber unit during system operation when tested in accordance with ANSI N510-1975.

- d. After every 720 hours of charcoal adsorber operation by verifying within 31 days after removal, that a laboratory analysis of a representative carbon sample obtained in accordance with Regulatory Position C.6.b of Regulatory Guide 1.52, Revision 2, March 1978, meets the laboratory testing criteria of Regulatory Position C.6.a of Regulatory Guide 1.52, Revision 2, March 1978, for a methyl iodide penetration of less than 1%;
- e. At least once per 18 months by:

1) Z000 Cfm + 700 - 200

Verifying that the pressure drop across the combined HEPA filters and charcoal adsorber banks is less than 5.4 inches Water Gauge while operating the system at a flow rate of 2000 cfm + 10% for the Filtration System and 500 cfm + 10% for the Pressurization System filter adsorber unit;

- Verifying that on a Control Room Ventilation Isolation or High Gaseous Radioactivity test signal, the system automatically switches into a recirculation mode of operation with flow through the HEPA filters and charcoal adsorber banks;
- 3) Verifying that the system maintains the control room at a positive pressure of greater than or equal to 1/4 inch Water Gauge relative to the outside atmosphere during system operation; and
 - Verifying that the Pressurization System filter adsorber unit heaters dissipate 15 + 2 kW in the Pressurization System when tested in accordance with ANSI N510-1975.

CALLAWAY - UNIT 1

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PLANT SYSTEMS

f.

g.

2000 (fm + 700 - 200)

2000 cfm + 700

500 cfm + 500

SURVLILLANCE REQUIREMENTS (Continued)

After each complete or partial replacement of a HEPA filter bank, by verifying that the cleanup system satisfies the in-place penetration and bypass leakage testing criteria of less than 1% in accordance with ANSI N510-1975 for a DOP test aerosol while operating the system at a flow rate of 2000 cfm + 10% for the Filtration System and 500 cfm + 10% for the Pressurization System filter adsorber unit; and

m.

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- 50

After each complete or partial replacement of a charcoal adsorber bank, by verifying that the cleanup system satisfies the in-place penetration and bypass leakage testing criteria of less than 1% in accordance with ANSI N510-1975 for a halogenated hydrocarbon refrigerant test gas while operating the system at a flow rate of $2000 \text{ cfm} \rightarrow 10\%$ for the Filtration System and $500 \text{ cfm} \pm 10\%$ for the Pressurization System filter adsorber unit.

CALLAWAY - UNIT 1

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CONTRAL BUILDING VENTILATION

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FIGURE - 1 SIMPLIED SCHEMATIC OF

AIR FLOW RATES (CFM)

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TABLE 1

	Tech Spec Flow (CFM)		Actual Flow (CFM)	
	Rated	Allowed Tolerance	Rated	Operational Flow Ranges
Filtration Unit	2000	1800 - 2200	2000	1800 - 2700
Pressurization Unit	2000	1800 - 2200	2200*	1800 - 3000
Pressurization Filter	500	450 - 550	500	450 - 1000

* The 2000 CFM rating in the technical specifications is inaccurate since each unit was designed for 2200 CFM.