

ADMINISTRATIVE CONTROLS

6.5.11 Ventilation Filter Testing Program (VFTP)

A program shall be established to implement the following required testing of Engineered Safeguards (ES) ventilation systems filters at the frequencies specified in Regulatory Guide 1.52, Revision 2. The VFTP is applicable to the Control Room Emergency Ventilation System (CREVS).

a. Demonstrate that an in-place cold DOP test of the high efficiency particulate (HEPA) filters shows $\geq 99.95\%$ DOP removal when tested in accordance with Regulatory Guide 1.52, Revision 2, at the system design flowrate of 2000 cfm $\pm 10\%$.

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b. Demonstrate that an in-place halogenated hydrocarbon test of the charcoal adsorbers shows $\geq 99.95\%$ halogenated hydrocarbon removal when tested in accordance with Regulatory Guide 1.52, Revision 2, at the system design flow rate of 2000 cfm $\pm 10\%$.

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c. Demonstrate that a laboratory test of a sample of the charcoal adsorber meets the laboratory testing criteria of ASTM D3803-1989 when tested at 30°C and 95% relative humidity for a methyl iodide penetration of:

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1. $\leq 2.5\%$ for 2 inch charcoal adsorber beds, and

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2. $\leq 0.5\%$ for 4 inch charcoal adsorber beds.

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when obtained as described in Regulatory Guide 1.52, Revision 2.

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d. Demonstrate that the pressure drop across the combined HEPA filters, other filters in the system, and charcoal adsorbers is < 6 inches of water when tested at the following system design flowrate of 2000 cfm $\pm 10\%$.

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The provision of SR 4.0.2 and SR 4.0.3 are applicable to the VFTP test frequencies.

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CREVS: 2,000 cfm¶