

5.5 Programs and Manuals

5.5.9 Ventilation Filter Testing Program (VFTP) (continued)

<u>ESF Ventilation System</u>	<u>Face Velocity (fpm)</u>	<u>Penetration (%)</u>	<u>RH (%)</u>
CREV System	NA	1	95
ESF Ventilation System	45.5	5	95
FHAEV System	46.8	5	95

In addition, the carbon samples not obtained from test canisters shall be prepared by either:

1. Emptying one entire bed from a removed adsorber tray, mixing the adsorbent thoroughly, and obtaining samples at least two inches in diameter and with a length equal to the thickness of the bed; or
 2. Emptying a longitudinal sample from an adsorber tray, mixing the adsorbent thoroughly, and obtaining samples at least two inches in diameter and with a length equal to the thickness of the bed.
- d. Demonstrate for each of the ESF systems that the pressure drop across the combined HEPA filters and the charcoal adsorbers is less than the value specified below when tested at the system flowrate specified below:

<u>ESF Ventilation System</u>	<u>Delta P (inches water gauge)</u>	<u>Flowrate (cfm)</u>
CREV System	4	≥5,400 and ≤6,600
ESF Ventilation System	4	≥22,500 and ≤27,500
FHAEV System	4	≥27,000 and ≤33,000

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