

PLANT SYSTEMS

3/4.7.8 AUXILIARY BUILDING VENTILATION EXHAUST SYSTEM

LIMITING CONDITION FOR OPERATION

3.7.8.1 The Auxiliary Building ventilation exhaust system shall be OPERABLE and shall consist of a minimum of two independent pairs of exhaust fans and four filter systems.¹

APPLICABILITY: MODES 1, 2, 3 and 4.

ACTION:

- a. With one pair of exhaust fans or one filter system inoperable, restore the inoperable pair of fans or system to OPERABLE status within 7 days or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.
- b. With more than one pair of exhaust fans or more than one filter system inoperable, restore one inoperable pair of fans or system to OPERABLE status within 7 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.²

SURVEILLANCE REQUIREMENTS

4.7.8.1 The Auxiliary Building ventilation exhaust system shall be demonstrated OPERABLE:

- a. At least once per 31 days on a STAGGERED TEST BASIS by initiating, from the control room, flow through the HEPA filters and charcoal adsorbers and verifying that the system operates for at least 15 minutes.
- b. At least once per 18 months or (1) after any structural maintenance on the HEPA filters or charcoal adsorber housings; or (2) following painting, fire or chemical release in any ventilation zone communicating with the system by:
 1. Verifying that with the system operating at a flow rate of 156,680 cfm + 10% and exhausting through the HEPA filters and charcoal adsorbers, the total bypass flow of the system to the facility vent, including leakage through the system diverting valves, is $\leq 1\%$ when the system is tested by admitting cold DOP at the system intake.

¹ More than one filter system and more than one pair of exhaust fans may be inoperable for up to 12 hours for surveillance testing per Specification 4.7.8.1.b, e, or f.

² The cumulative downtime, excluding surveillance testing, of the entire Auxiliary Building ventilation system shall be limited to 7 hours during any 30 day period.