

## INSTRUMENTATION

ATTACHMENT 2  
ST-HL-AE-3842  
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### CHEMICAL DETECTION SYSTEMS

#### LIMITING CONDITION FOR OPERATION

3.3.3.7 <sup>Three</sup> ~~Two~~ Independent Chemical Detection Systems shall be OPERABLE with their Alarm/Trip Setpoints adjusted to actuate at the following concentrations:

- a. Vinyl Acetate  $\leq 10$  ppm
- b. Anhydrous Ammonia/  
Ammonium Hydroxide/  $\leq 25$  ppm

APPLICABILITY: All MODES.\*

#### ACTION:

- a. With one Chemical Detection System inoperable, restore the inoperable system to OPERABLE status within 7 days or <sup>place the affected channel in its tripped condition.</sup> ~~within the next 6 hours~~ initiate and maintain operation of the Control Room Emergency Ventilation System in the recirculation mode of operation.
- b. With <sup>two or more</sup> ~~both~~ Chemical Detection Systems inoperable, within 1 hour initiate and maintain operation of the Control Room Emergency Ventilation System in the recirculation mode of operation.

#### SURVEILLANCE REQUIREMENTS

4.3.3.7 Each Chemical Detection System shall be demonstrated OPERABLE by performance of a CHANNEL CHECK at least once per 12 hours, an ANALOG CHANNEL OPERATIONAL TEST at least once per 31 days and a CHANNEL CALIBRATION at least once per 18 months. <sup>and/or DIGITAL</sup>

\*In MODES 5 and 6, if it becomes necessary to place the Control Room Emergency Ventilation System in the recirculation mode of operation and if other Technical Specifications (3.7.7 "Control Room Makeup and Cleanup Filtration System" and/or Table 3.3-3, Item 10 "Control Room Ventilation") require placing the system in the recirculation and makeup filtration mode, then in this situation, place the system in the filtered recirculation mode only.

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