

TABLE 6.4-1

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TABLE 6.4-2

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TABLE 6.4-3

CONTROL AREA VENTILATION SYSTEM PARAMETERS

| | |
|---|---------------------------|
| 1. Volume of Control Room Envelope (CRE) | 81,420 cu ft |
| 2. Normal Operation per unit for Units 1 & 2 (CAACS ⁽¹⁾): | |
| - total system outside makeup airflow (design) | 2200 cfm |
| - outside makeup airflow to the CRE (design) | 600 cfm |
| - outside makeup airflow to the CRE (used in dose analysis) | 600 cfm |
| - total system recirculated airflow (design) | 30,400 scfm |
| 3. Emergency Operation (2 train alignment, CREACS ⁽¹⁾): | |
| - unfiltered in-leakage | ≤275 cfm ⁽³⁾ |
| - outside filtered makeup airflow (total for 2 trains) | ≤2100 cfm ⁽²⁾ |
| - total filtered airflow per train (design) | 8000 cfm ⁽²⁾ |
| 4. Emergency Operation (1 train alignment, CREACS ⁽¹⁾): | |
| - unfiltered in-leakage (used in dose analysis) | 275 cfm ⁽³⁾ |
| - filtered makeup air (used in dose analysis) | 2100 cfm ⁽²⁾ |
| - total filtered airflow per train (design) | 8000 cfm ⁽²⁾ |
| - recirculated airflow per train (used in dose analysis) | 5100 cfm ⁽²⁾ |
| - filtered airflow per train (used in dose analysis) | 7200 cfm ⁽²⁾ |
| 5. Time Required to Isolate the Control Envelope: | |
| - automatic damper operation | 20 seconds ⁽⁴⁾ |
| - including pressurization (used in dose analysis) | 1 minute |

NOTES:

- (1) CAACS = Control Area Air Conditioning System
CREACS = Control Room Emergency Air Conditioning System
- (2) Air is filtered through roughing, HEPA and charcoal filter units
- (3) This parameter was used in the dose analyses and bounds actual control room in-leakage test results, which include limited ingress/egress and other potential leakage paths such as the CREACS filter housing and the CAA14 isolation dampers.
- (4) Time to open or close damper upon receipt of an actuation signal