

The annual average concentration of radioactive material released in gaseous effluents at the boundary of the unrestricted area must not exceed the values specified in Table 2 of Appendix B to 10 CFR Part 20. The applicant demonstrated compliance with this requirement by referencing the AP1000 DCD. Section 11.3.3.5 of the DCD shows that even at the Technical Specification limit for percent failed fuel defects, the site provides sufficient atmospheric dilution to ensure that the expected effluent release concentrations will be less than those specified in Table 2 of Appendix B to 10 CFR Part 20.

In NUREG-1793, the staff evaluated and accepted the conclusions of Section 11.3.3.5 of the DCD. Based on this acceptance, the staff concludes that the applicant complies with 10 CFR 20.1302.

Demonstrating Compliance with 10 CFR 20.1406

The staff discusses compliance with 10 CFR 20.1406 in Section 11.2.4 of this SER.

Confirmatory Item 11.3-1 remains unresolved for the VCSNS COL FSAR until the staff confirms the site-specific characteristics for the VCSNS site are enveloped by the DCD site parameters. This issue is being tracked as **VCSNS Confirmatory Item 11.3-1**.

Resolution of VCSNS Confirmatory Item 11.3-1

VCSNS Confirmatory Item 11.3-1 is a commitment by the staff to confirm the site-specific characteristics for the VCSNS site are enveloped by the DCD site parameters. The staff reviewed and compared the VCSNS site-specific and DCD parameters and confirmed that the site-specific parameters are enveloped by the DCD parameters. As a result, VCSNS Confirmatory Item 11.3-1 is now closed.

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