
4.0 DESIGN FEATURES

4.1 Site Location The Unit 1 Reactor Building is located on the site at Millstone Point in Waterford, Connecticut. The nearest site boundary on land is 2063 feet northeast of the reactor building (1627 feet northeast of the elevated stack), which is the minimum distance to the boundary of the exclusion area as described in 10 CFR 100.3. No part of the site that is closer to the reactor building than 2063 feet shall be sold or leased except to Dominion Nuclear Connecticut, Inc. or its corporate affiliates for use in conjunction with normal utility operations.

4.2 Fuel Storage

4.2.1 DELETED

4.2.2 The K_{eff} of the spent fuel storage pool shall be less than or equal to 0.95. This K_{eff} value is satisfied with fuel assemblies having a maximum k -infinity of 1.24 in the normal reactor configuration at cold conditions, and an average U-235 enrichment of 3.8 weight percent or less, and with no fuel allowed in the storage locations shown in Figure 4.1.

4.2.3 The number of fuel assemblies stored in the spent fuel storage pool shall not exceed 2959 bundles.

FIGURE 4.1
MILLSTONE UNIT NO. 1 SPENT FUEL POOL

