

Attachment B to BECo Letter 93-016

9302240257 930211
PDR ADOCK 05000293
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5.5 FUEL STORAGE

- A. The new fuel storage facility shall be such that the K_{eff} is less than 0.90 and flooded is less than 0.95.
- B. The K_{eff} of the spent fuel storage pool shall be less than or equal to 0.95.
- C. Each fuel assembly in the spent fuel pool shall have a maximum $K_{infinity}$ less than or equal to 1.32 and an enrichment of 4.6% U-235 or less averaged over the axial planar zone of highest average enrichment.
- D. The number of spent fuel assemblies stored in the spent fuel pool shall not exceed 3859.
- E. Loads in excess of 2000 lbs. shall be prohibited from travel over fuel assemblies in the spent fuel storage pool.
- F. No fuel which has decayed for less than 200 days shall be stored in racks within an arc described by the height of the cask around the periphery of the energy absorbing pad.

5.6 SEISMIC DESIGN

The station Class I structures and systems have been designed for ground accelerations of 0.08g (design earthquake) and 0.15g (maximum credible earthquake).

BASES:

5.5 FUEL STORAGE

The fuel storage assembly $K_{infinity}$ in Section 5.5.C refers to the maximum $K_{infinity}$ for the standard reactor core geometry. Storage of fuel assemblies meeting specification 5.5.C will result in K_{eff} less than 0.95 for both normal and abnormal storage conditions.

Attachment C to BECo Letter 93- 016

5.5 FUEL STORAGE

- U-235 ~~enrichment~~ averaged over the usual planar zone of highest average enrichment
- A. The new fuel storage facility shall be such that the K_{eff} dry is less than 0.90 and flooded is less than 0.95.
 - B. The K_{eff} of the spent fuel storage pool shall be less than or equal to 0.95.
 - C. ^{Each} Fuel assembly in the spent fuel pool shall have a maximum K-infinity less than or equal to ~~1.35~~ ~~1.32~~ and an enrichment of ~~4.6%~~ ^{4.6%}.
 - D. The number of spent fuel assemblies stored in the spent fuel pool shall not exceed ~~2320~~ ³⁸⁵⁹.
 - E. Loads in excess of ~~1000~~ ²⁰⁰⁰ lbs. shall be prohibited from travel over fuel assemblies in the spent fuel storage pool.
 - F. No fuel which has decayed for less than 200 days shall be stored in racks within an arc described by the height of the cask around the periphery of the energy absorbing pad.



5.6 SEISMIC DESIGN

The station Class I structures and systems have been designed for ground accelerations of 0.08g (design earthquake) and 0.15g (maximum credible earthquake).

BASES:

5.5 FUEL STORAGE

The fuel storage assembly K-infinity in Section 5.5.C refers to the maximum K-infinity for the standard reactor core geometry. It is shown in the ~~FSAR~~ ^{FSAR} that storage of fuel assemblies with a K-infinity ~~≤ 1.35~~ ^{≤ 1.35} would result in a ~~$K_{eff} < 0.95$ including uncertainties~~ for both normal and abnormal storage conditions.



Storage of fuel assemblies meeting ^{Specification} ~~the criteria~~ 5.5.C will result in $K_{eff} \leq 0.95$

Attachment D to BECo Letter 93- 016