

Follow-up to Pre-submittal Meeting for Updated New Fuel and Spent Fuel Pool Criticality Analysis

September 1, 2015



Purpose

Address additional topics brought up in the pre-submittal meeting on May 11, 2015



Topics

- Spent fuel pool arrays
 - See attached proposed Tech Spec page
- New fuel storage
 - Treatment of concrete and elevated temperature specifically addressed in analysis

3



Topics (cont'd)

- Soluble boron
 - Current Tech Spec 3.7.15 remains unchanged at 2150 ppm boron
- Neutron absorber monitoring program
 - New Tech Spec program based on industry operating experience
 - Existing stainless steel L-inserts not included

4



Topics (cont'd)

- Fuel reconstitution
 - Definition
 - Enrichment and burnup limits
- Linked applications
 - Licensing discussion

5



Topics (cont'd)

- Transition plan
 - Both sets of pages in Tech Specs
 - Module-by-module transition
 - When work starts in a unit, it will continue in a controlled manner until complete

6



Additional Questions ?

7



Figure 3.7.17-1

Allowable Storage Arrays

Array A Two Region 1 assemblies (1) checkerboarded with two blocked cells (X). The Region 1 assemblies are each in a cell with an L-insert. No NETCO-SNAP-IN [®] inserts are credited.	1	X
	X	1
Array B Two Region 1 assemblies (1) checkerboarded with two cells containing trash cans (TC). The Region 1 assemblies are each in a cell with an L-insert. Every cell without an L-insert must contain a NETCO-SNAP-IN [®] insert.	1	TC
	TC	1
Array C Two Region 2 assemblies (2) checkerboarded with one Region 3 assembly (3) and one blocked cell (X). The Region 2 assemblies are each in a cell with an L-insert. The Region 3 assembly is in a cell containing a NETCO-SNAP-IN [®] insert.	2	X
	3	2
Array D One Region 2 assembly (2) checkerboarded with three Region 4 assemblies (4). The Region 2 assembly and the diagonally located Region 4 assembly are each in a storage cell with an L-insert. The two storage cells without an L-insert contain a NETCO-SNAP-IN [®] insert.	2	4
	4	4
Array E Four Region 5 assemblies (5). Two storage cells contain an L-insert. One cell contains a NETCO-SNAP-IN [®] insert. One storage cell contains no insert.	5	5
	5	5
Array F Four Region 6 assemblies (6). Two storage cells contain an L-insert. The other two cells contain no inserts.	6	6
	6	6

Notes:

1. The shaded locations indicate cells which contain an L-insert.
2. A blocked cell (X) contains a blocking device and only water in the active fuel region.
3. NETCO-SNAP-IN[®] inserts must be oriented in the same direction as L-inserts.
4. NETCO-SNAP-IN[®] inserts are only located in cells without L-inserts.
5. Any cell containing fuel or a TC may instead be an empty (water-filled) cell in all storage arrays.
6. Any storage array location designated for a fuel assembly may be replaced with non-fissile material.