

From: Chawla, Mahesh
Sent: Tuesday, July 24, 2012 1:47 PM
To: KUEMIN, JAMES L
Cc: Hunt, Christopher; Kulesa, Gloria; Frankl, Istvan
Subject: Request for Additional Information (Revised) - Palisades - SFP Rerack LAR - ME8074

By letter dated February 28, 2012 (ML12061A288, ML12061A289, and ML12061A290), Entergy Nuclear Operations, the licensee for the Palisades Nuclear Plant provided a fuel storage criticality analysis in order to revise Appendix A, Technical Specifications (TSs) as they apply to the spent fuel pool (SFP) storage requirements in TS Section 3.7.16 and criticality requirements for Region I SFP and north tilt pit fuel storage racks, in TS section 4.3.

On July 19, 2012, a request for additional information (RAI) was transmitted to you, which included the RAI from The Steam Generator Tube Integrity and Chemical Engineering Branch. However, since then they made a revision to their request. Please replace the previous version with the following revised version of their RAI.

Steam Generator Tube Integrity and Chemical Engineering Branch

1. Please provide the following:
 - a) Physical dimensions (length, width, and thickness) of the coupons in the coupon surveillance program.
 - b) A description of how the coupons mounted on the coupon tree are representative of the Metamic installed in the spent fuel pool cells. Will there be any sheathing covering the coupons similar to the sheathing holding the Metamic in the storage cells?
 - c) Justification on how the coupon thermal and chemical environment will be similar to that of the Metamic in the storage cells.
2. The license amendment request (LAR) stated that over the duration of the coupon testing program, the coupons will have accumulated more radiation dose than the expected lifetime dose for the normal storage cells. This is based on the tree being placed in an area of the highest dose for the first four offloads. Please provide a description of how you will ensure that the coupons will have accumulated more dose than the Metamic in the storage cells for the life of the coupons following the first four offloads.
3. The LAR stated coupons that were removed from the pool for testing that had not been destructively analyzed, may optionally be returned to the spent fuel pool and remounted.
 - How long will a coupon be allowed to remain out of the pool before being reinserted?
 - Will the coupon go through a vacuum drying phase before testing and reinsertion?
 - Provide a justification for how the coupon will still be representative of the Metamic in the storage cells once it is reinserted.