

**Cox, Mark**

**From:** Schwartz, Geoffrey  
**Sent:** Monday, September 12, 2005 6:41 PM  
**To:** Dacimo, Fred; Rubin, Paul; Ventosa, John; Comiotes, Jim; McMullin, Kathy; Blizard, Andrea  
**Cc:** Verrochi, Steven; Skonieczny, John; Hinrichs, Gary; Axelson, William L; Mayer, Don; Lavera, Ron; Cox, Mark; Hipschman, Thomas; Sandike, Steven; Vitale, Anthony; Small, Al; Conroy, Pat; Jones, T. R.; Kobbs, Mary; Lee, Liz; Schwartz, Geoffrey  
**Subject:** U2 Pool call crack update and draft ODMI

**Attachments:** U2SFPWallODMI.doc; U2SPFSouthWallIndicationR2091205.doc

See attached updated White Paper/Action Plan and draft ODMI. The ODMI should be issued tomorrow morning.

Kathy McMullin/Andrea Blizard: Please note the High-level summary status immediately below.

Summary of the issue and status, and today's today's actions and observations:

(1) High-level summary: Hairline cracks have been found in the south wall of Unit 2 Spent Fuel Pool, with slight moisture in and around the cracking on the west side of the wall (northwest area of Fuel Storage Building loading bay). The cracking was uncovered during removal of soil for the dry cask storage project and is typical of shrinkage cracks that form during concrete curing. The moisture is very slight and radioactivity levels and contamination in and around the cracking is very low. The condition has been evaluated by Structural Engineering and the Spent Fuel Pool is structurally sound. The source of the moisture is under investigation by a cross-discipline team, using various data gathering and analysis techniques and operating experience.

(2) Today's actions/observations:

(i) Team meeting and conference calls with ConEd personnel (L. Villani and A. Homyk). L. Villani was Civil/Structural Design Supervisor at the time of the 1990-1992 Unit 2 Spent Fuel Pool liner leak (east side of pool, 89 foot elevation) investigation and repair. The calculation to demonstrate that the rebar was not degraded due to this leak has been retrieved. These personnel also stated that the indications external to the pool wall at the time included boron "stalagmites" and significantly higher than background on-contact radiation levels. This information is provided here simply as an informal (not meant to draw conclusions) comparison to the current situation, in which boron visible (balls or other formations) deposits have not been detected and radiation levels are low.

(ii) Some soil and rock was removed beneath the area of the moist crack for sampling purposes and another moist crack was observed below the first one. The upper (first) crack is at approximately 64.5 foot elevation and the second crack is approximately three feet below the first. The moisture observed is similar, a small amount in and around the crack. The characteristics (length, horizontal orientation, very narrow) are also very similar.

(iii) Visual inspection of the (upper) crack at 64.5 foot elevation indicates the amount of moisture, compared to last week, is declining. A plastic covering was placed over the crack Friday, and this morning very little liquid was found in the plastic (not enough for meaningful radiochemistry analysis).

(iv) A Challenge Meeting was held this afternoon and observed by a member of the Resident's Office. The panel members were the General Manager of Plant Operations, Site Operations Manager, and Planning/Scheduling/Outage Manager. Representing the project team were the Manager of Dry Cask Storage and Supervisor of radiological Engineering. Also present were the Director of Special Projects, and the Licensing Supervisor. Additional actions that will be taken based on this meeting include contacting JAF for OE on pool liner leakage, preparation of an ODMI, request for a fleet engineering call on 9/13, daily updates at the 8:30 morning meeting, and designation of a lead for this issue other than the Manager of Dry Cask Storage so that he can better focus on the overall project.



U2SFPWallODMI.doc (91 KB)



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