

Cox, Mark

From: Schwartz, Geoffrey  
Sent: Monday, September 26, 2005 5:52 PM  
To: Dacimo, Fred; Rubin, Paul; Ventosa, John; Comiotes, Jim; Leach, Don; Mayer, Don; Conroy, Pat; Jones, T. R.; Limpas, Oscar  
Cc: Cox, Mark; Skonieczny, John; Santis, Hank; Hinrichs, Gary; Axelson, William L; Schwartz, Geoffrey  
Subject: Unit 2 pool wall update  
Attachments: West Wall Rebar.JPG; Gutter.pdf

Information in this record was deleted  
in accordance with the Freedom of Information  
Act, exemptions b7c, b7d  
FOIA-2005-0369

Don Leach was ill today, so I'm sending this in his behalf.

- Today we excavated down to the top of the pool base mat in the corner where the south spent fuel pool wall meets the west loading bay wall. Initially we do not see other cracks in the pool wall, and the soil/rock at this elevation (54' 7") is dry. However, we did uncover exposed rebar in the west wall. See attached photo. We wrote a CR and informed the Shift Manager. This wall is part of the PAB and does not support the pool. It appears that the concrete forms were placed against the rebar cage during construction.
- During the 72-hour period from Friday to this morning we collected 1500 mL from the moist cracks in the spent fuel pool south wall, so the rate of seepage continues to be the same, 500 mL per day.
- Radiochemistry is essentially unchanged with the exception of Boron, which has risen to nearly the same concentration as the pool.
- We will receive the final structural integrity calculation from our vendor tomorrow, then get it through Entergy review/approval. The calculation of water migration time through the wall, second draft, should be received tomorrow morning.
- We will be installing a gutter under the moist cracks tomorrow. See attached photo of how it was done outside on the east wall for the 1990-92 leak.
- Underwater Construction company will be on site for a walk-down tomorrow and to discuss potential loading pit liner weld-seam inspection/testing.
- I have directed that we start drafting the engineering for potential installation of a permanent sampling tube in the new FSB loading bay floor near the area of the cracks.
- The scaffold in the pipe pen will be certified by tomorrow. We will have the crack area cleaned and lead-abated by Wednesday or Thursday so it can be inspected and have a collection bag placed over it. We are also going to put a collection bag over some of the dry part of the crack in the south wall running from the moist area to the east. The idea behind placing plastic collection bags over a dry crack is to see if water vapor is escaping but not sufficient to form moisture in the crack.
- We are searching for information on how the Unit 1 pool leak rate was determined.
- We had several consultants with expertise in hydrology review the site hydrology on Friday.

Initially it does not appear we can take credit for existing monitoring.



West Wall

Rebar.JPG (397 KB)



Gutter.pdf (436 KB)

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<b>Con Edison</b> <b>INDIAN POINT STATION</b> <u>Radiological Support Group</u>	<b>Document No:</b>	<b>PJE-DG-92-004</b>
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	<b>Prepared by:</b>	<b>D. GATELY</b>
<b><u>Title:</u></b> <b>1992 SFP LINER INVESTIGATION</b>		

GUTTERS WERE INSTALLED TO CONTAIN THE WATER.

BASED ON THE ISOTOPES FOUND IN THE SAMPLES IT WAS  
DETERMINED TO BE FROM THE UNIT 2 SPENT FUEL POOL.



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