

From: Brian McDermott
To: Adam Stiebeling; Alela Salame-Alfie; Barbara Youngberg; C.J. Miller; Daniel Greeley; dleach@entergy.com; Dominick Greene; Geri Shapiro; Jack Spath; James Baranski; Paul Eddy; Peter Feroe; Robert Bondi; Steve Gross; Tony Sutton
Date: Wed, Nov 30, 2005 11:46 AM
Subject: FYI: Forthcoming Update to NRC Web Page on Indian Point Spent Fuel Pool Issues

Attached for your information is a status update on the Indian Point 2 Spent Fuel Pool investigation that will be posted to the NRC's Web Page in the next day or so. If you have any questions, please feel free to give me a call or raise your questions during our next conference call - tomorrow, Thursday 12/1 at 3:30 p.m.

The existing NRC Web Page on the Indian Point 2 Spent Fuel Pool and tritium contamination can be found at:

<http://www.nrc.gov/reactors/plant-specific-items/indian-point-issues.html>

Regards,
Brian

Brian J. McDermott, Chief, Projects Branch 2
U.S. Nuclear Regulatory Commission - Region I
475 Allendale Road
King of Prussia, PA 19406

Work: 610-337-5233
Cell: [REDACTED]
Fax: 610-337-5349
bjm@nrc.gov

Exempt 6

CC: John Boska; John White; Raeann Shane

Information in this record was deleted
in accordance with the Freedom of Information
Act, exemptions 6
FOIA- 2006-0081

B/11

Mail Envelope Properties (438DD75F.20F : 12 : 55450)

Subject: FYI: Forthcoming Update to NRC Web Page on Indian Point Spent Fuel Pool Issues
Creation Date: Wed, Nov 30, 2005 11:46 AM
From: Brian McDermott
Created By: BJM@nrc.gov

Recipients	Action	Date & Time
aol.com GeriShapiro (Geri Shapiro)	Transferred	11/30 11:46 AM
bestweb.net Abspcbes (Adam Stiebeling)	Transferred	11/30 11:47 AM
co.orange.ny.us dgreene (Dominick Greene) SGross (Steve Gross)	Transferred	11/30 11:47 AM
co.rockland.ny.us greeleyd (Daniel Greeley) millerc (C.J. Miller)	Transferred	11/30 11:47 AM
dps.state.ny.us pde (Paul Eddy)	Transferred	11/30 11:47 AM
entergy.com dleach (dleach@entergy.com)	Transferred	11/30 11:47 AM
gw.dec.state.ny.us bayoungb (Barbara Youngberg)	Transferred	11/30 11:47 AM
health.state.ny.us asa01 (Alela Salame-Alfie)	Transferred	11/30 11:47 AM
mail.house.gov Peter.Feroe (Peter Feroe)	Transferred	11/30 11:47 AM
nrc.gov TWGWPO02.HQGWDO01 RMS2 CC (Raeann Shane)	Delivered Opened	11/30 11:46 AM 11/30 11:59 AM
nrc.gov kp1_po.KP_DO	Delivered	11/30 11:46 AM

JRW1 CC (John White)	Opened	11/30 12:47 PM
nrc.gov	Delivered	11/30 11:46 AM
owf4_po.OWFN_DO	Opened	12/06 7:19 AM
JPB1 CC (John Boska)		
nyscrda.org	Transferred	11/30 11:47 AM
jps (Jack Spath)		
PutnamCountyNY.com	Transferred	11/30 11:47 AM
Robert.Bondi (Robert Bondi)		
semo.state.ny.us	Transferred	11/30 11:47 AM
james.baranski (James Baranski)		
westchestergov.com	Transferred	11/30 11:47 AM
aws1 (Tony Sutton)		

Post Office

Delivered

- Route**
aol.com
bestweb.net
co.orange.ny.us
co.rockland.ny.us
dps.state.ny.us
entergy.com
gw.dec.state.ny.us
health.state.ny.us
mail.house.gov
nrc.gov
nrc.gov
nrc.gov
nyscrda.org

TWGWPO02.HQGWDO01	11/30 11:46 AM
kp1_po.KP_DO	11/30 11:46 AM
owf4_po.OWFN_DO	11/30 11:46 AM

PutnamCountyNY.com
semo.state.ny.us
westchestergov.com

Files	Size	Date & Time
MESSAGE	2025	Wednesday, November 30, 2005 11:46 AM
NRCWebPageUpdate11-30-05.pdf	15798	Wednesday,
November 30, 2005 11:44 AM		

Options
Auto Delete: No

On-going Activities;

11/29/2005

Unit 2 Spent Fuel Pool: Entergy has completed visual examination and video taping of about 50% of the spent fuel pool liner surface in an effort to identify locations of potential leakage. This represents all the surfaces that can be accessed with the currently available video camera equipment. Stored spent fuel in portions of the pool prevent full examination with currently available video equipment. Accordingly, Entergy has informed the NRC that it is investigating the use of other video equipment to affect more complete examination of the pool liner. Divers physically examined three locations of interest with a vacuum box to determine if leakage was present, however, in each case, leakage was not positively detected. Notwithstanding, Entergy is examining methods to apply an underwater coating to these locations to assure these areas of interest remain leak-tight.

The leak rate from the previously identified cracks in the spent fuel pool concrete wall is currently about 10 to 25 milliliters per day. Previously, leakage was measured to be about 1000 to 1500 milliliters per day. Entergy is investigating the cause of the decreased leak rate.

Monitoring Wells: Entergy has completed drilling of one of nine wells currently planned in its initial effort to characterize groundwater flow and the on-site tritium contamination. Tritium concentration in this well (MW-30, located in the Unit 2 Fuel Handling Building, in the excavated area adjacent to the Unit 2 Spent Fuel Pool, i.e., within 5 feet of the pool) ranged as high as 6×10^{-4} uCi/ml. For comparison, the EPA Drinking Water standard for tritium is 20000 pCi/L, i.e., 2×10^{-5} uCi/ml. Drilling activities for the remaining initial wells are in progress. Entergy informed the NRC that additional wells will be constructed, as necessary, to characterize the tritium contamination.

Unit 1 Spent Fuel Pool Conditions: Entergy is continuing efforts to monitor and investigate the leakage from the Unit 1 Spent Fuel Pool system. Entergy reports that the information gathered to-date from water inventory balance activities and tritium measurements continue to indicate that the Unit 1 curtain drain and sphere foundation sump systems effectively capture the leakage from the Unit 1 spent fuel pool systems. Currently, Entergy is investigating data that suggests that more tritium activity, than has been attributed to Unit 1 spent fuel pool system leakage, is being captured within the Unit 1 drain system. Notwithstanding the investigation of the data, all leakage from the Unit 1 drain system continues to be processed and released as a monitored liquid effluent discharge in accordance with NRC regulatory requirements; and radiological effluent discharges continue to be a fraction of NRC regulatory limits.