

From: Raymond Powell
To: rjc@nrc.gov
Date: 08/21/2007 8:24:40 PM
Subject: Fwd: updated VY cooling tower status

Mail Envelope Properties (46CB8248.4AF : 18 : 57312)

Subject: Fwd: updated VY cooling tower status
Creation Date 08/21/2007 8:24:40 PM
From: Raymond Powell

Created By: rijp@nrc.gov

Recipients

nrc.gov
kp1_po.KP_DO
RJC (Richard Conte)

Post Office

kp1_po.KP_DO

Route

nrc.gov

Files	Size	Date & Time
MESSAGE Mail	2	08/21/2007 8:24:40 PM

Options

Expiration Date: None
Priority: Standard
ReplyRequested: No
Return Notification:
Send Mail Receipt when Undeliverable

Concealed Subject: No
Security: Standard

Junk Mail Handling Evaluation Results

Message is not eligible for Junk Mail handling
Message is from an internal sender

Junk Mail settings when this message was delivered

Junk Mail handling disabled by User
Junk List is not enabled
Junk Mail using personal address books is not enabled
Block List is not enabled

From: Raymond Powell
To: Darrell Roberts; David Lew; Gary Shear; James Clifford; James Kim; John Lubinski; Marc Dapas; Mark Kowal; Marsha Gamberoni; Raeann Shane; Samuel Collins
Date: 08/21/2007 6:50:51 PM
Subject: updated VY cooling tower status

please see attached. updated at 1845 on August 21.

CC: Diane Screnci; Marjorie McLaughlin; Nancy McNamara; Neil Sheehan

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Vermont Yankee

This afternoon one side of a non-safety cooling tower cell collapsed. The cause of the collapse is under investigation. There were no injuries.

The non-safety cooling tower cells provide cooling to the circulating water system. Circulating water provides cooling to the non-safety main condenser. They are necessary to ensure that State of Vermont river thermal discharge limits are not exceeded.

After the failure, the licensee reduced power to forty-eight percent. Circulating water flow to the tower was then secured. The plant is stable. The licensee is monitoring circulating water discharge temperature and will adjust plant power as necessary to stay within the State limits.

The cell directly affected is designated as cell 2-4. There is one safety-related cell (2-1) in the bank of 11 cells. The safety-related cell is seismically qualified as is the adjacent cell 2-2. As such, the physical structure of cells 2-1 and 2-2 are more robust than cell 2-4. The licensee has entered a 7 day Technical Specification (TS) action statement, "Alternate Cooling Tower" based on a level of uncertainty of how falling debris could affect the safety-related deep basin. The deep basin is a water source for safety-related pumps.

The licensee's review of the event, including an extent of condition, is in progress. The plant will remain at reduced power until repairs have been completed.

Additional background:

On Monday August 20, 2007, the licensee identified a depression in the roof of cell 2-4. The licensee had intended to take the bank of cells out of service beginning at midnight on August 21.