

From: Rick Ennis *RE*
To: *Mr* Alan Wang; Allan Barker; Allen Howe; Anthony McMurtray; Brian Sheron; Cheng-lh Wu; Christopher Grimes; David Terao; Diane Screnci; Donna Skay; Eric Leeds; Gene Imbro; James Clifford; Jim Dyer; John Craig; John Jolicoeur; Kamal Manoly; Neil Sheehan; Richard Barrett; Richard Borchardt; Scott Burnell; Tae Kim; Terrence Reis; Thomas Scarbrough; William Beckner; William Ruland
Date: 4/16/04 1:31PM
Subject: Fwd: VY Steam Dryer Crack Info

Attached is a little more detail on the steam dryer cracking at Vermont Yankee.

CC: Cliff Anderson; David Pelton

D-21

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Subject: Fwd: VY Steam Dryer Crack Info
Creation Date: 4/16/04 1:31PM
From: Rick Ennis

Created By: RXE@nrc.gov

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From: Cliff Anderson *RI*
To: Rick Ennis *RR*
Date: 4/16/04 12:59PM
Subject: Fwd: VY Steam Dryer Crack Info

fyi

From: Raymond Lorson ^{RE}
To: A. Randolph Blough; Brian Holian; Cliff Anderson; David Pelton; Hubert J. Miller;
James Wiggins; Richard Crlenjak; Wayne Lanning
Date: 4/16/04 12:11PM
Subject: VY Steam Dryer Crack Info

FYI:

The attached write-up summarizes what we know about the VY steam dryer cracks to date.

Ray

While performing visual inspections of the reactor vessel steam dryer, Entergy and General Electric personnel identified several indications on both the interior and exterior surfaces of the dryer:

- Two external cracks were identified on outer plenum vertical welds (the longest crack was approximately 3 inches in length). The licensee plans to grind out, repair and install additional supports to reinforce these welds;
- Two internal cracks were identified in the drain channel weld. The longest crack was 14 inches in length. These cracks are inaccessible for repair. The licensee (based on input from GE) believes that they can demonstrate that operation with these cracks is acceptable

In addition to the cracks noted above, multiple axial indications were identified on the internal surface of the curved end plate of the dryer vane bank. The licensee has not determined whether these indications are cracks or manufacturing anomalies. The licensee (based on input from GE) believes that they can demonstrate that operation with these indications is acceptable.

The licensee is considering a press release on this topic and has indicated that the cracks are in low-stress, low-steam flow, areas of the dryer, and not in the areas affected at the EPU plants.

Region I reviewed the licensee's steam dryer inspection activities during a scheduled, routine ISI inspection and is continuing to monitor this situation. Similar external weld cracks were identified and repaired earlier this spring at Nine Mile Unit 2.