

## John Richmond

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**From:** Neil Sheehan, RI  
**Sent:** Friday, November 07, 2008 1:47 PM  
**To:** John Richmond; James Davis; Diane Screnci  
**Cc:** Richard Conte; David Pelton; Darrell Roberts; Ronald Bellamy  
**Subject:** RE: FYI - Board Notification Regarding the Oyster Creek Drywell Shell Coating Defect.

John,

Thanks for the comprehensive response.

Neil

**From:** John Richmond  
**Sent:** Friday, November 07, 2008 11:36 AM  
**To:** Neil Sheehan; James Davis; Diane Screnci  
**Cc:** Richard Conte; David Pelton; Darrell Roberts; Ronald Bellamy  
**Subject:** RE: FYI - Board Notification Regarding the Oyster Creek Drywell Shell Coating Defect.

- 1) During this outage, AmerGen is taking ultrasonic thickness (UT) measurements of the drywell shell in numerous locations, as required by license renewal commitments. Those UT data values will be used as inputs for the 3-D analysis. This is independent of the on-going coating and moisture barrier seal re-work.
- 2) AmerGen expected some of the lab analysis, including chemical analysis, to be available today. The requested lab analysis should include chemical (e.g., was it really rust {thrust me, there was rust}), thickness measurements of each layer of the epoxy coating (e.g., was the coating too thin), volume calculations of the blister cap to back calculate, based on rust volume, how much steel was lost (e.g., how much thinner did the shell get). This is just the highlights of what they asked the lab to do.
- 3) In Bay-11, the total area of surface rust (4 separate spots, very near each other) is about 3/4 inch square. Total area of drywell shell steel in sand bed bays is between 600 to 800 feet square. I don't have enough information to estimate the area that's rusted in Bay-3, but I would expect it to be in units of square inches, not square feet.

### Details for Answer # 3

The surface area in the sand bed bays (all 10 bays) is roughly between 600 to 800 square feet (see my crude math below). In Bay 11, there were four (4) rust spots identified. AmerGen claimed that the 3 spots I identified were NOT blisters, but only surface irregularities. However, when the 3 "bumps" were removed, there were rust spots behind them. So, there were 4 small rust spots, each was no larger than about 1/4 inch in diameter. That equates to a total area of about 3/4 of a square inch. AmerGen continues to only talk about the one blister they identified, and characterize it as 1/4 inch in diameter (they haven't talked about the other 3 spots, but are fixing them).

Areas of sand bed epoxy coating -- my arithmetic's a little rough (these aren't design numbers)  
The cavity in the sand bed (when you crawl in and try to stand up) is about 5 ft. the epoxy coating does not go all the way up. The bathtub ring is part way up, then the steel plate surface transitions from very rough (due to previous severe corrosion) to flat. So lets say there's about 4 vertical feet of coating. The NDE inspection instructions say to inspect each bay from 8 foot to the left to 8 foot to the right, from the tunnel entrance. This allows some inspection overlap between the bays. One inside a bay, you can crawl around to the next bay, and the next bay beyond, but not all the way around (there is some interference in places). So, each bay is a little less than 16 feet long, times 10 bays, times 4 feet in height.

N/124

Let me know if you need more.

**From:** Neil Sheehan  
**Sent:** Friday, November 07, 2008 10:24 AM  
**To:** James Davis  
**Cc:** John Richmond; Richard Conte  
**Subject:** RE: FYI - Board Notification Regarding the Oyster Creek Drywell Shell Coating Defect.

James,

Sorry I didn't get back to you yesterday. I was on the road.

One question you might be able to help me with is this: A reporter asked if data collected during this outage regarding the drywell liner will be used as an input for the 3-D finite element analysis AmerGen must perform prior to entering a period of license renewal. Is that the case?

Also, two others: When will the results of the chemical analysis of the blister be available? And can we provide some context with regard to the blister, i.e., the blister area is a quarter of an inch but the sandbed region of the drywell liner that was coated with epoxy is xx hundred square feet in size?

Neil  
Public Affairs, Region I  
610-337-5331

**From:** James Davis  
**Sent:** Thursday, November 06, 2008 3:49 PM  
**To:** Diane Screnci; David Pelton; Marsha Gamberoni; Sam Collins; Marc Dapas; Glenn Meyer; Darrell Roberts; Karl Farrar  
**Cc:** Richard Conte; Marjorie McLaughlin; Neil Sheehan; Brian Holian; Mary Baty; Jerry Dozier; Bruce Boger; Jim Wiggins; John Richmond  
**Subject:** RE: FYI - Board Notification Regarding the Oyster Creek Drywell Shell Coating Defect.

Diane,

Attached is our response to your questions. Let me know if you need any additional information.

*James A. Davis*, Ph.D.  
Sr. Materials Engineer  
RER1/DLR  
jad@nrc.gov  
301-415-6987  
James.Davis@nrc.gov

**From:** Diane Screnci  
**Sent:** Wednesday, November 05, 2008 1:51 PM  
**To:** David Pelton; Marsha Gamberoni; Sam Collins; Marc Dapas; Glenn Meyer; Darrell Roberts; Karl Farrar  
**Cc:** Richard Conte; Marjorie McLaughlin; Neil Sheehan; Brian Holian; Mary Baty; James Davis; Jerry Dozier; Bruce Boger; Jim Wiggins; John Richmond  
**Subject:** RE: FYI - Board Notification Regarding the Oyster Creek Drywell Shell Coating Defect.

Dave,  
The talking points should address:

What was found.

What it means for continued operation.  
What it means for license renewal.  
Why it was inspected during this outage.  
When it would be inspected again.  
What NRC has done in response to this defect being found.

Thanks-

**DIANE SCRENCI**

*SR. PUBLIC AFFAIRS OFFICER*

*USNRC, RI*

*610/337-5330*

**From:** David Pelton

**Sent:** Wednesday, November 05, 2008 12:40 PM

**To:** Diane Screnci; Marsha Gamberoni; Sam Collins; Marc Dapas; Glenn Meyer; Darrell Roberts; Karl Farrar

**Cc:** Richard Conte; Marjorie McLaughlin; Neil Sheehan; Brian Holian; Mary Baty; James Davis; Jerry Dozier; Bruce Boger; Jim Wiggins; John Richmond

**Subject:** FYI - Board Notification Regarding the Oyster Creek Drywell Shell Coating Defect.

Diane,

Jim Davis (license renewal) will work with Rich Conte and Mary Baty (OGC) to craft an appropriate summary for the Board Notification. We'll also need to throw together some appropriate Qs&As to include with a "comm plan." We (DLR) will be out-of-pocket supporting an ACRS meeting most of the afternoon today...we'll get cracking tomorrow morning.

David Pelton

NRC/NRR/DLR

Chief, Projects Branch I

(301) 415-2307

**From:** Diane Screnci

**Sent:** Wednesday, November 05, 2008 12:03 PM

**To:** Marsha Gamberoni; Sam Collins; Marc Dapas; Glenn Meyer; Darrell Roberts; Karl Farrar

**Cc:** Richard Conte; Marjorie McLaughlin; Neil Sheehan; David Pelton

**Subject:** RE: Daily Notes for 11-04-08

Will we get some quick talking points?

**DIANE SCRENCI**

*SR. PUBLIC AFFAIRS OFFICER*

*USNRC, RI*

*610/337-5330*

**From:** Marsha Gamberoni

**Sent:** Wednesday, November 05, 2008 11:56 AM

**To:** Sam Collins; Marc Dapas; Glenn Meyer; Darrell Roberts; Karl Farrar

**Cc:** Richard Conte; Marjorie McLaughlin; Diane Screnci; Neil Sheehan; David Pelton

**Subject:** FW: Daily Notes for 11-04-08

(b)(5)

JIS

**From:** Mary Baty  
**Sent:** Wednesday, November 05, 2008 10:24 AM  
**To:** Marsha Gamberoni; David Pelton; Richard Conte  
**Subject:** RE: Daily Notes for 11-04-08

(b)(5)

JIS

**From:** Marsha Gamberoni  
**Sent:** Tuesday, November 04, 2008 3:52 PM  
**To:** David Pelton; Mary Baty; James Davis  
**Subject:** FW: Daily Notes for 11-04-08

see attached under Region I

**From:** Gina Matakas  
**Sent:** Monday, November 03, 2008 12:20 PM  
**To:** David Lew; James Clifford; James Trapp; John Kinneman; John Rogge; John White; Kay Gallagher; Marc Dapas; Marsha Gamberoni; Richard Barkley; Darrell Roberts; Keith Heater; Pamela Baker; Tracy Walker; Linda Larche; Eugene Cobey; Ben Ficks  
**Subject:** FW: Daily Notes for 11-04-08

**From:** EDO GroupAccount  
**Sent:** Monday, November 03, 2008 12:19:54 PM  
**To:** Bradley Jones; Catherine Marco; David Diec; Dennis Turner; Edward Williamson; Glenda Evans; Harry Felsher; James Beall; Janine Armstrong; Jeannie Griffin; Jeffrey Sharkey; John Cordes; John Thoma; Joseph Gray; Julio Lara; Kathryn Greene; Kathryn Winsberg; Lisa Culp; Lynn Ronewicz; Marian Zabler; Marvin Itzkowitz; Meena Khanna; Nasreen Hasan; Richard Rasmussen; Robert Weisman; Trent Wertz; Trip Rothschild; Allen Howe; Annette Vietti-Cook; Annie Bennette; Bill Borchardt; Bill Dean; Brian Sheron; Bruce Boger; Bruce Mallett; Carolyn Harves; Catherine Haney; Charles Miller; Clare Kasputys; Corenthis Kelley; Cynthia Carpenter; Cynthia ODaniell; Darani Reddick; Darren Ash; David Holley; David Skeen; Deanna Clarke; Deborah Pulley; Donna Williams; Doug Broaddus; Doug Coe; EDO GroupAccount; EDO\_Staff\_Assistants; Eliot Brenner; Elmo Collins; Eric Leeds; George Deegan; George Pangburn; Gina Matakas; Gregory Hatchett; Gregory Jaczko; Guy Caputo; Ilka Solorio; JAC TEMP; James Caldwell; James Lyons; James McDermott; Janet Lepre; Janet Vincent; Jim Dyer; Jim Wiggins; Josephine Piccone; Joshua Batkin; Judy Kilcrease; Karen Cyr; Karen Henderson; Kathy Weaver; Kristine Svinicki; Lena Boyd; Linda Herr; Liz Langlie; Loren Plisco; Lucia Lopez; Lucy Owen; Luis Reyes; Lyons Tmp; Margaret Doane; Maria Schwartz; Mark Satorius; Martin Virgilio; Melissa Wyatt; Michael Johnson; Michael Weber; Miriam Cohen; Monte Phillips; OCA Distribution; OPA Resource; Patricia Anderson; Patricia Miles; Patricia Rathbun; Patrick Howard; Paul Dickman; Peter Koltay; Peter Lyons; Quynh Nguyen; Richard Barkley; RidsSecyMailCenter Resource; Robert Schaaf; Roy Zimmerman; Sam Collins; Sam Jones; Sandra Johnson; Scott Moore; Sheila Dubose; Shirley Flory; Stephen Burns; Steven Baggett; Susan Bellosi; Thomas Boyce (OIS);

Thomas Hipschman; Thomas Kozak; Timothy Hagan; Travis Tate;  
Victoria Ibarra  
**Subject:** Daily Notes for 11-04-08  
**Auto forwarded by a Rule**

Attached.

Received: from R1CLSTR01.nrc.gov ([148.184.99.7]) by R1MS01.nrc.gov  
([148.184.99.10]) with mapi; Fri, 7 Nov 2008 13:47:20 -0500  
Content-Type: application/ms-tnef; name="winmail.dat"  
Content-Transfer-Encoding: binary  
From: Neil Sheehan <Neil.Sheehan@nrc.gov>  
To: John Richmond <John.Richmond@nrc.gov>, James Davis  
<James.Davis@nrc.gov>,  
Diane Screnci <Diane.Screnci@nrc.gov>  
CC: Richard Conte <Richard.Conte@nrc.gov>, David Pelton  
<David.Pelton@nrc.gov>, Darrell Roberts <Darrell.Roberts@nrc.gov>, Ronald  
Bellamy <Ronald.Bellamy@nrc.gov>  
Date: Fri, 7 Nov 2008 13:47:18 -0500  
Subject: RE: FYI - Board Notification Regarding the Oyster Creek Drywell  
Shell Coating Defect.  
Thread-Topic: FYI - Board Notification Regarding the Oyster Creek Drywell  
Shell Coating Defect.  
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Content-Language: en-US  
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X-MS-Exchange-Organization-SCL: -1  
X-MS-TNEF-Correlator:  
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