

Official Transcript of Proceedings

NUCLEAR REGULATORY COMMISSION

Title: Advisory Committee on Reactor Safeguards
549th Meeting

Docket Number: (n/a)

Process Using ADAMS Template
ACRS/ACNW-005
SUNSI Review Complete CS

Location: Rockville, Maryland

Date: Thursday, February 7th, 2008

Work Order No.: NRC-2001

Pages 1-346

U.S. NUCLEAR REGULATORY COMMISSION

SECRETED
USNRC

In the Matter of Entergy Nuclear Vermont Yankee

August 12, 2008 (11:00am)

Docket No. 50-271-LR Official Exhibit No. 9

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UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

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549TH MEETING

ADVISORY COMMITTEE ON REACTOR SAFEGUARD

(ACRS)

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THURSDAY

FEBRUARY 7, 2008

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ROCKVILLE, MARYLAND

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The Advisory Committee met at the Nuclear
Regulatory Commission, Two White Flint North, Room
T2B3, 11545 Rockville Pike, Rockville, Maryland, at
8:30 a.m., Dr. William J. Shack, Chairman, presiding.

COMMITTEE MEMBERS PRESENT:

- WILLIAM J. SHACK, Chairman
- MARIO V. BONACA, Vice Chairman
- GEORGE E. APOSTOLAKIS, Member
- DENNIS C. BLEY, Member
- DANA A. POWERS, Member
- JOHN W. STETKAR, Member
- MICHAEL CORRADINI, Member
- JOHN D. SIEBER, Member

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1 COMMITTEE MEMBERS PRESENT (Continued):

2 OTTO L. MAYNARD, Member

3 SAID ABDEL-KHALIK, Member

4 J. SAM ARMIJO, Member

5 SANJOY BANERJEE, Member

6 ALSO PRESENT:

7 SAM DURAISWAMY

8 MAITRI BANERJEE

9 P.T. KUO

10 KENNETH CHANG

11 JONATHAN ROWLEY

12 JOHN DREYFUSS

13 TED SULLIVAN

14 LARRY LUKENS

15 GARY STEVENS

16 PAUL JOHNSON

17 MICHAEL MODES

18 SARAH HOFFMAN

19 JORAM HOPENFELD

20 JOHN FAIR

21 CHANG LI

22 MAKUTESWARA SRINIVASAN

23 STEVE JONES

24 JOHN JOLICOEUR

25 TREVOR COOK

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ALSO PRESENT (Continued):

SUD BASU

FAROUK ELTAWILA

STU RUBIN

MARK HENRY SALLEY

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1 October the 9th and 10th, we went to the site to
2 review their calculations.

3 We asked six questions during that audit,
4 and you can see the full response on November the
5 14th. One of those responses to audit question 387
6 did not fit our needs. So we sent and REI to them
7 further address the issue on November 27th.

8 We received that response on December
9 11th, the response to the RAI on December 11th. We've
10 had a few calls to discuss this issue. The major one
11 was on December 18th. At that time VY sent some
12 disconnect there and requested a face-to-face meeting
13 to help facilitate the resolution of this highly
14 technical issue.

15 So we had a meeting on January 8th. At
16 that time the applicant agreed to submit some plans
17 specific, confirmatory comments to the analysis, and
18 that's where we stand today.

19 MEMBER ARMIJO: And that submittal has
20 been made now?

21 MR. ROWLEY: That submittal was made.
22 That was made on January 30th, which was just a few
23 days ago. So we've had a preliminary review of what
24 they submitted, and I'd like Dr. Chang to take over
25 here to discuss that.

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1 DR. CHANG: Thank you.

2 My name is Ken Chang. I'm the Branch
3 Chief for Engineering Review Branch at the Division of
4 License Renewal.

5 I've been involved in every audit, every
6 conference call. Every year I have public meetings on
7 this. So I hope I can address this issue today in a
8 satisfactory manner, but in the March meeting will be
9 in a complete manner.

10 The plant specific confirmatory EF
11 analysis is by definition the confirmatory year
12 analysis. It is not the EAF analysis. The EAF
13 analysis was submitted, was contained in the december
14 11th submittal.

15 The confirmatory analysis, the purpose of
16 that is to use the typical ASME methodology without
17 any fancy tools or anything to do the analysis to show
18 that the December 11 analysis is conservative. So,
19 therefore, we are result driven. As long as the CUF
20 is less than 1.0 by a classical ASME analysis, even
21 you say state of art analysis, that should be okay.

22 And we have enough time to perform the
23 review of their benchmarking calculation.
24 Specifically for Vermont Yankee, we are not endorsing
25 anything beyond Vermont Yankee from that review. That

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1 And that's where we are.

2 MR. ROWLEY: Our Section 4 review is
3 ongoing. As Ken said, they just yesterday provided
4 some additional information about the nozzle
5 configuration differences, and then some additional
6 information regarding the chemistry impact of the Fen
7 value. Staff's review of Section 4 is thus
8 incomplete, and we will have this completed over the
9 coming weeks in order to discuss this in our March
10 meeting.

11 Here are the three license conditions that
12 we applied thus far.

13 Questions?

14 VICE CHAIRMAN BONACA: Questions for the
15 staff?

16 Nothing. Thank you for the presentation,
17 and I think we have three members of the public who
18 want to speak. Do you have a list of those?

19 CHAIRMAN SHACK: Yes.

20 MEMBER ARMIJO: Just before, I have one
21 quick question for Mr. Modes. He mentioned about
22 glowing reports about the drywell and torus shells.

23 MR. MODES: Yes.

24 MEMBER ARMIJO: Did you find that those
25 were exaggerations or were those components in good

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