

November 7, 2006 (11:27am)

OFFICE OF SECRETARY  
RULEMAKINGS AND  
ADJUDICATIONS STAFF**UNITED STATES  
NUCLEAR REGULATORY COMMISSION****BEFORE THE ATOMIC SAFETY AND LICENSING BOARD**

*In the matter of*  
**ENTERGY NUCLEAR VERMONT YANKEE, LLC**  
**and ENTERGY NUCLEAR OPERATIONS, INC.**  
**(Vermont Yankee Nuclear Power Station)**

October 30, 2006  
 Docket No. 50-271

ASLBP No. 04-832-02-OLA

**NEW ENGLAND COALITION'S PROPOSED CORRECTIONS TO THE  
TRANSCRIPT FOR EVIDENTIARY HEARINGS OF SEPTEMBER 13, 14, 2006**

In accordance with the Atomic Safety and Licensing Board's ("Board") Order of October 12, 2006, New England Coalition proposes the following corrections to the transcript of September 14, 2006. New England Coalition proposes to incorporate by reference the omitted material from the transcribed opening statements, as provided by the Board on October 19, 2003. New England Coalition proposes no additional corrections to the transcript of September 13, 2006.

Page	Line	Delete	Insert
1516	10	base	basis for
	11	The steady state-the transient concern that	the steady state-the transient concern is that
	14	the component's already weakened	The components have already been weakened
	18	problem or it	problems that
	19	SSSCs are -	"SSCs"
1517	8	And EPU	At EPU?
1520	8	but	not in
	11	happens	happened,
	13	option	item
	15	know it	know that it

	16	it doesn't experience any flowing us vibrations, well	it would not experience any flow induced vibrations, well
	17	then I don't think, you know, it's throughout it's	then, I don't think, that you still know that throughout the plant's
	20	Each	If each
	21	was put	was when it was put in
1523	17	knowledges	analogies
	22	to	for
1524	16	limited what	limited to what
	20	been somewhere	been installed somewhere
	22	say to answer your question,	say the answer to your question
	23	question	answer
	24	is	depends on
1525	11	would	would be
	14	the concern is	there is a concern because
	16	EPIJ	EPU
	19	answer is, to this	answer to this is
	20	we are	
	22	perform definitely	Perform the tests definitely
1526	4	say	keep
	5	The- we	We
	9	hydraulics	hydraulics is
	13	reduces	reduces it
	14	reduce	reduce it
1527	3	be- one	be specific. One
	18		we
	19		rely
	21	this	ODYN
1528	12	everything	other things
	22	and that is,	

	23	that that	that this
1529	1	confidence	confidence in them
	3	hard to operate	how they operate
	20	averaGe	average
1530	4	what you, the trickle power ratio	what. The Critical Power Ratio
	9	that	
	14	that here	with which
	15	the	
1531	13	bypass,	bypass
	14	too	flow
1533	13	It	
	15	density	density at Brunswick
	21	what you should take is	you should use
	22	something,	something, and
	24	5.2, I don't know the	5.2 power density, I don't know if the
	25	average	average power density.
1534	1	spaces	spacers
	2	there that	there. That
	6	dryer	dryers
	9	talking every little	talking about including every little parameter
	10	in that ODYN	in the ODYN
	11	that you benchmark	and benchmarked
	13	at, and you apply that	And then you apply ODYN
	14	there with	at Brunswick
	15	these	transient
	16	you make	you can make
	17	And you say, that	And then you can say that the
	18	bank.	band.
	21	All I-	-
	22	says	say
	23	said,	said:
1535	1	is what they said, we agree	We (NRC) agree to what they (Entergy) said

	15	NED 241	N ED241-54-A
	20	item 01	Exhibit 1
1536	13	H-OPENFELD	HOPENFELD
1538	3	large transient testing exhibit 3	Large Transient Testing-Exhibit1
	22	EPIJ	EPU
	23	What they	They
	25	statement	Statement means.
1539	7	into	to
	9	what	what is
	12	Because as it was- okay	Okay,
	16	it	them
1540	5	difference	difference,
	9	originally	Originally
	15	And they said, the	And they (NRC) said the code
	16	this is not conservative. These differences are in	is not conservative. These differences represent
	17	error	errors
	19	say this code is or	say that this code is conservative,
	20	say exactly they	say this exactly. They
	22	some few data	data in
	25	one has to be conservative,	-
1541	2	first of all,	is to first
	3	parameters we are interested	parameters that we are interested in
	5	the pressure, and you can see	-
	6	the pressure, they compared	and
	7	pressure	pressure, and
	11	by	with
	12	they can put confidence of on X number of signals on the	you can put a confidence of x sigmas on the
	13	Confidence of the	-
	14	it	ODYN
	23	because they	Because they (NRC)
	24	Arnd	-
1542	1	the	-

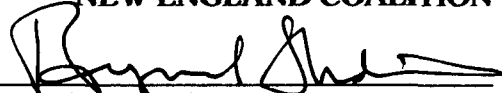
	2	One of	for
	3	that	analysis that
	5	original intent of the code, to predict that	original intent of the code, to predict
	6	parameter, is	-
	7	Critical power ratio for those that	The Critical Power Ratio, for those that this
	8	its	is
	9	of the	in the fuel
	15	like	like away
	17	potential for a melt	a potential for a fuel melt
	18	a safety,	a safety issue,
	19	to that	into
1543	1	that	this
	3	comparison	comparison of the data,
	5	frequency	frequency
1544	1	for	for the
1545	3	Because the heart to your question is	Because the heart of the answer to your question is
	5	to, so I	to explain some of those terms, so that I
	6	what	what are
	7	explain some of those terms	-
	9	C and one is the	$C_0$ and the other one
	11	uncertainty.	uncertainties.
	12	One	One, $C_0$ ,
	14	VJ	$V_j$
	16	at	by
	17	is	change is
	21	C	$C_0$
	22	that subzero	$V_j$
1546	10	kind of information	boiling
	11	would affect,	-
	12	mechanism void	Mechanism of void formation
	20	they've	they've (GE)
1547	1	that	so

	5	in different plants, the only way I know to make the	from different plants. The only way I know how
	6	thing, to formalize this experience, is to take a	to formalize this experience, is to use a
	7	computer and these	Computer code. These plants
	8	sitting	-
	9	here	-
	10	fuel level go	fuel level in a tank goes
	12	has differences.	is different.
	13	to do, analyze the	to analyze each
	19	not abnormalities between	no abnormalities in
	23	what abnormality is	what is an abnormality
1548	1	be if an enormous	be: if at
	2	in	into
	4	into. transition	into transition
	8	statement to say,	statements as
	9	anything here, therefor	therefore
	11	would look at,	-
	12	put an uncertainty study on	perform an uncertainty study in
	13	one.	Case.
1549	17	question, abnormality	question by referring to the word "abnormality" .
	18	they haven't seen any problem. That	They have not seen any problem, that
	20	You see abnormality	Do you see abnormality?
	21	fuel	-
1550	1	what	what was
	2	was	-
	4	just-the-energy	the
	12	gone to	evaluated
	15	it here	Them somewhere else.
	17	Brunswick, of	Brunswick, or
	20	different	different,
	24	because this has a dryer, plus	both plants have dryers. Plus,
	25	modified	modified it
1551	3	in,in	into

Respectfully submitted:

NEW ENGLAND COALITION

BY:

A handwritten signature in black ink, appearing to read 'Raymond Shadis', written over a horizontal line.

Raymond G. Shadis, *pro se* representative

P.O. Box 98

(Express delivery: Shadis Road)

Edgecomb, ME 05446

(207) 882-7801

shadis@prexar.com

**UNITED STATES OF AMERICA  
NUCLEAR REGULATORY COMMISSION**

**BEFORE THE ATOMIC SAFETY AND LICENSING BOARD**

**In the Matter of**

**ENTERGY NUCLEAR VERMONT YANKEE  
LLC and ENTERGY NUCLEAR  
OPERATIONS, INC.  
(Vermont Yankee Nuclear Power Station)**

**Docket No. 50-271OLA**

**ASLBP No. 04-832-02-OLA**

**CERTIFICATE OF SERVICE**

I hereby certify that copies of **NEW ENGLAND COALITION'S PROPOSED CORRECTIONS TO THE TRANSCRIPT FOR EVIDENTIARY HEARINGS OF SEPTEMBER 13, 14, 2006** in the above-captioned proceeding have been served on the following by deposit in the United States mail, first class; or by e-mail as indicated by a double asterisk (\*\*), this 30<sup>th</sup> day of October, 2006.

<b>Alex S. Karlin, Chair**</b> <b>Administrative Judge</b> <b>Atomic Safety and Licensing Board Panel</b> <b>Mail Stop T-3F23</b> <b>U.S. Nuclear Regulatory Commission</b> <b>Washington, DC 20555-0001</b> <b>E-mail: ask2@nrc.gov</b>	<b>Dr. Anthony J. Baratta**</b> <b>Administrative Judge</b> <b>Atomic Safety and Licensing Board Panel</b> <b>Mail Stop T-3F23</b> <b>U.S. Nuclear Regulatory Commission</b> <b>Washington, DC 20555-0001</b> <b>E-mail: ajb5@nrc.gov</b>
<b>Lester S. Rubenstein**</b> <b>Administrative Judge</b> <b>Atomic Safety and Licensing Board Panel</b> <b>4760 East Country Villa Drive</b> <b>Tucson, AZ 85718</b> <b>E-mail: lesrrr@comcast.net</b>	<b>Office of the Secretary**</b> <b>ATTN: Rulemaking and Adjudications Staff</b> <b>Mail Stop: O-16C1</b> <b>U.S. Nuclear Regulatory Commission</b> <b>Washington, DC 20555-0001</b> <b>E-mail: HEARINGDOCKET@nrc.gov</b>
<b>Office of Commission Appellate Adjudication*</b> <b>Mail Stop: O-16C1</b> <b>U.S. Nuclear Regulatory Commission</b> <b>Washington, DC 20555-0001</b>	<b>John M. Fulton, Esq.</b> <b>Assistant General Counsel</b> <b>Entergy Nuclear Operations, Inc.</b> <b>440 Hamilton Avenue</b> <b>White Plains, NY 10601</b>



<p> <b>Jay E. Silberg, Esq.**</b>  <b>Matias Travieso-Diaz, Esq.**</b>  <b>Pillsbury Winthrop Shaw Pittman, LLP</b>  <b>2300 N St., NW</b>  <b>Washington, DC 20037-1128</b>  <b>E-mail: <a href="mailto:jay.silberg@pillsburylaw.com">jay.silberg@pillsburylaw.com</a></b>  <b><a href="mailto:matias.travieso-diaz@pillsburylaw.com">matias.travieso-diaz@pillsburylaw.com</a></b> </p>	<p> <b>Jonathan M. Rund, Esq.**</b>  <b>Law Clerk</b>  <b>Atomic Safety and Licensing Board Panel</b>  <b>Mail Stop: T-3F23</b>  <b>U.S. Nuclear Regulatory Commission</b>  <b>Washington, DC 20555-0001</b>  <b>(E-mail: <a href="mailto:jmr3@nrc.gov">jmr3@nrc.gov</a>)</b> </p>
<p> <b>Marcia Carpentier, Esq.**</b>  <b>Law Clerk</b>  <b>Atomic Safety and Licensing Board Panel</b>  <b>Mail Stop: T-3F23</b>  <b>U.S. Nuclear Regulatory Commission</b>  <b>Washington, DC 20555-0001</b>  <b>(E-mail: <a href="mailto:MXC7@nrc.gov">MXC7@nrc.gov</a>)</b> </p>	<p> <b>Sherwin E. Turk, Esq.**</b>  <b>Richard Ennis, NRR, US NRC</b>  <b>Office of the General Counsel</b>  <b>Mail Stop O-15 D21</b>  <b>U.S. Nuclear Regulatory Commission</b>  <b>Washington, DC 20555-0001</b>  <b><a href="mailto:set@nrc.gov">set@nrc.gov</a>, <a href="mailto:jcz@nrc.gov">jcz@nrc.gov</a></b> </p>



**Raymond Shadis**  
**Pro Se Representative**  
**New England Coalition**

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**Office of the Secretary  
ATTN: Rulemaking and Adjudications Staff  
Mail Stop: O-16C1  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001**

**Dear Rulemaking and Adjudications Staff,**

**Please find for filing in the above captioned matter one original and two copies of  
NEW ENGLAND COALITION'S PROPOSED CORRECTIONS TO THE TRANSCRIPT  
FOR EVIDENTIARY HEARINGS OF SEPTEMBER 13, 14, 2006**

**Thank you for your kind assistance in making this filing,**



**Raymond Shadis  
Pro se Representative  
New England Coalition  
Post Office Box 98  
Edgecomb, Maine 04556  
207-882-7801  
[shadis@prexar.com](mailto:shadis@prexar.com)**