August 11, 2004

MEMORANDUM TO: Allen G. Howe, Chief, Vermont Yankee Section
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

FROM: Richard B. Ennis, Senior Project Manager, Vermont Yankee Section
Project Directorate I ***/RA/***
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF PHONE CALL WITH ENTERGY CONCERNING VERMONT YANKEE STEAM DRYER ANALYSIS

On July 7, 2004, a phone call was held between staff in the Office of Nuclear Reactor Regulation (Brian Sheron, Richard Barrett, Tad Marsh, and Cornelius Holden) and Entergy (John McCann and John Dreyfuss) regarding the steam dryer analysis at Vermont Yankee.

The NRC staff discussed its view that, in light of the dryer failures seen at other boiling water reactors that implemented extended power uprates, Vermont Yankee had a significant challenge to convince the staff that the analysis would show that the dryer was capable of proper operation at the new power level. The staff indicated that it may be necessary to not only have instrumentation to detect what is happening in the dryer but it may also be necessary to have a startup plan that slowly raises power in a very controlled manner. Inspection of the dryer may need to be performed that confirms the analytical determinations.

The licensee stated that: (1) the Vermont Yankee steam line flowrate after the proposed power uprate would be approximately the same as the steam line flowrate at Quad Cities prior to their power uprate (i.e., before steam dryer problems encountered at Quad Cities); and (2) other analyses show that the dryer at Vermont Yankee is capable of the uprated conditions. The NRC participants stated that there was a need for Entergy to demonstrate that the analytical model was capable of predicting the performance of the dryer.

Docket No. 50-271

MEMORANDUM TO: Allen G. Howe, Chief, Vermont Yankee Section
Project Directorate I
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

FROM: Richard B. Ennis, Senior Project Manager, Vermont Yankee Section
Project Directorate I ***/RA/***
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF PHONE CALL WITH ENTERGY CONCERNING VERMONT YANKEE STEAM DRYER ANALYSIS

On July 7, 2004, a phone call was held between staff in the Office of Nuclear Reactor Regulation (Brian Sheron, Richard Barrett, Tad Marsh, and Cornelius Holden) and Entergy (John McCann and John Dreyfuss) regarding the steam dryer analysis at Vermont Yankee.

The NRC staff discussed its view that, in light of the dryer failures seen at other boiling water reactors that implemented extended power uprates, Vermont Yankee had a significant challenge to convince the staff that the analysis would show that the dryer was capable of proper operation at the new power level. The staff indicated that it may be necessary to not only have instrumentation to detect what is happening in the dryer but it may also be necessary to have a startup plan that slowly raises power in a very controlled manner. Inspection of the dryer may need to be performed that confirms the analytical determinations.

The licensee stated that: (1) the Vermont Yankee steam line flowrate after the proposed power uprate would be approximately the same as the steam line flowrate at Quad Cities prior to their power uprate (i.e., before steam dryer problems encountered at Quad Cities); and (2) other analyses show that the dryer at Vermont Yankee is capable of the uprated conditions. The NRC participants stated that there was a need for Entergy to demonstrate that the analytical model was capable of predicting the performance of the dryer.

Docket No. 50-271

DISTRIBUTION:

Non-Public	REnnis	DTerao
PDI-2 Reading	DSkay	CWu
BSheron	WRuland	TScarbrough
TMarsh	JStang	CAnderson, RGN-I
JLyons	RBarrett	VBucci, OIG
CHolden	EImbro	
AHowe	KManoly	

ADAMS Accession No: ML042160026

OFFICE	PDI-VY/PM	PDI-VY/SC	PDI/D	DLPM/D	
NAME	REnnis	AHowe	JClifford for CHolden	TMarsh	
DATE	8/5/04	8/5/04	8/5/04	8/6/04	

OFFICIAL RECORD COPY