

August 20, 1990

MEMORANDUM: Victor Nerses, Acting Director
 Project Directorate I-3
 Division of Reactor Projects I/II

FROM: Morton B. Fairtile, Project Manager
 Project Directorate I-3
 Division of Reactor Projects I/II

SUBJECT: MEETING SUMMARY - VERMONT YANKEE NUCLEAR POWER
 CORPORATION MEETING OF APRIL 30, 1990

The licensee requested this meeting with the NRC staff at Rockville, Maryland in order to discuss their hardened wet-well vent design and the plant toxic gas monitors. The enclosure provides more detail on the vent session of the meeting. Individual Lists of Attendees are provided as enclosures for each session.

The wet-well vent session centered around the licensee's submittal of March 26, 1990. At the meeting the Licensee committed to provide the staff data on the 32 vent paths that were discussed by Vermont Yankee. Subsequent to the meeting the licensee referred us to the 1986 Containment Safety Study for vent path data. The wet-wall vent proposed design, as presented in the March 26 letter, may require NRC review and approval.

The second session dealt with the plant toxic gas monitors. The licensee proposed that they remove from service as many of the monitors as they can support by analysis. Vermont Yankee stated that the system is designed only for the detection of off-site chemical releases. The largest shipping container with an instantaneous release was used in the analysis. For this worst case accident it would take only two minutes to reach Regulatory Guide 1.78 limits. The licensee proposed to now use Standard Review Plan Section 2.2.3 as the Vermont design basis. The staff agreed that such a reevaluation would be an acceptable basis for any proposed change in the Toxic Gas Monitoring System.

Original Signed By:

Morton B. Fairtile, Project Manager
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Enclosures: As stated

cc: See next page

PDI 3/LA(A)
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 7/23/90

MRF
 PDI-3/PM
 MFairtile
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 6/2/90

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Adjudicatory File (2)
Atomic Safety and Licensing Board
Panel Docket
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

HARDENED WET-WELL VENT SESSION

In response to questions from Ashok Thadani, Director, NRC Division of Safety Technology, the following discussions took place:

Question: Does the proposed Vermont Yankee hardened wet-well vent design comply with the BWR Owner's Group (OG) criteria?

Response: Licensee stated that the design submitted to us in their letters on October 24, 1989 and March 26, 1990 does comply with the latest BWRÖG criteria.

Question: Is operator intervention allowed by the VY design?

Response: The licensee stated that they retain the capability to make the decision not to vent.

Question: As a follow-up to the above question, Mr. Thadani asked: "In regard to the TW event, could VY deliberately vent prior to rupture disk setting?" Note: The rupture disk burst pressure is 62 psig (plus or minus 3 psi) which is the containment code allowed maximum internal pressure.

Response: The licensee informed us that there are 32 potential vent paths available. These paths range in size from 1 to 20-inches in diameter. Mr. Thadani requested the licensee to identify these 32 potential paths and the licensee agreed to supply this data.

Question: Has licensee explored concept of deliberately blowing the disk?

Response: The licensee replied that such a feature would make the design non-passive. A passive design concept was submitted by the licensee in their March 26, 1990 letter and was stated to be the VY design preference. The licensee restated that they would rely on some of the 32 other paths to relieve pressure prior to the burst disk relief set pressure, should circumstances so warrant.

Mr. William Sherman, representing the State of Vermont, asked if the licensee had considered station blackout (ac dependency) in regard to the motor operator for the valve downstream of the burst disk. The licensee responded that motive power to downstream valve had not yet been determined. NRC staff commented that it would be relatively inexpensive to design this motor operator to be ac independent.

VERMONT YANKEE MEETING

ON

WETWELL VENT

APRIL 30, 1990

Name

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Vernon Rooney	NRC/PDI-3
Dick Wessman	NRC/PDI-3
Chang-Yang Li	NRC/SPLB
Mohan Thadani	NRC/DRP
Ralph Architzel	NRC/DST/SPLB
Janal N. Raval	NRC/DST/SPLB
Brent Sadanskos	SEARC Licensing/Bechtel
William Sherman	State of Vermont
H. Shannon Phillips, Sr.	State of Vermont
Stan Miller	Yankee Atomic
Warren Murphy	Vermont Yankee
Harold Eichenholz	NRC Region I - SRI
Donald A. Reid	Vermont Yankee
Kevin J. Burns	Yankee Atomic
Thomas Hiltz	Region I - RI
John H. Snooks	Yankee Atomic

VERMONT YANKEE MEETINGONTOXIC GAS MONITORSAPRIL 30, 1990

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