

September 30, 1998

Mr. Gregory A. Maret
Director of Operations
Vermont Yankee Nuclear Power Corporation
185 Old Ferry Road
Brattleboro, VT 05301

SUBJECT: TELEPHONE CONFERENCE TO SUPPORT THE REVIEW OF THE
ACCEPTABILITY OF EMERGENCY OPERATING PROCEDURES
REGARDING CONTAINMENT RESPONSE TO A DESIGN BASIS ACCIDENT -
VERMONT YANKEE NUCLEAR POWER STATION (TAC NO. MA2479)

Dear Mr. Maret:

As a follow up to Inspection Report 50-271/98-06, dated July 2, 1998, we are reviewing the emergency operating procedures at Vermont Yankee with respect to containment flooding. In order to complete our review it is necessary to discuss the issues enclosed with the appropriate members of your staff. I am arranging the date and time for the telephone conference separately with Mr. Tom Silko of your staff. The purpose of this letter is to provide the enclosed topics of discussion.

If you should have any questions please contact me at (301) 415-1475.

Sincerely,

Original signed by

Richard P. Croteau, Project Manager
Project Directorate I-3
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket No. 50-271

Enclosure: Topics for Discussion

cc w/enclosure: See next page

DISTRIBUTION

Docket File

PUBLIC

Vermont Yankee r/f

J. Zwolinski

C. Cowgill

T. Marsh

ACRS

OGC

R. Croteau

T. Clark

R. Palla

1/1
DF01

DOCUMENT NAME: G:\CROTEAU\MA2479.CAL

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	PDI-3/PM	PDI-3/LA	E	PDI-3/D	SCSB
NAME	RCroteau	TClark		Clhorns	CBerlinger
DATE	9/25/98	9/25/98		9/30/98	9/30/98

OFFICIAL RECORD COPY

9810060198 980930
PDR ADOCK 05000271
G PDR

NRC FILE CENTER COPY

G. Maret

cc:

Regional Administrator, Region I
U. S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Mr. David R. Lewis
Shaw, Pittman, Potts & Trowbridge
2300 N Street, N.W.
Washington, DC 20037-1128

Mr. Richard P. Sedano, Commissioner
Vermont Department of Public Service
120 State Street, 3rd Floor
Montpelier, VT 05602

Public Service Board
State of Vermont
120 State Street
Montpelier, VT 05602

Chairman, Board of Selectmen
Town of Vernon
P.O. Box 116
Vernon, VT 05354-0116

Mr. Richard E. McCullough
Operating Experience Coordinator
Vermont Yankee Nuclear Power Station
P.O. Box 157
Governor Hunt Road
Vernon, VT 05354

G. Dana Bisbee, Esq.
Deputy Attorney General
33 Capitol Street
Concord, NH 03301-6937

Chief, Safety Unit
Office of the Attorney General
One Ashburton Place, 19th Floor
Boston, MA 02108

Ms. Deborah B. Katz
Box 83
Shelburne Falls, MA 01370

Vermont Yankee Nuclear Power Station

Mr. Raymond N. McCandless
Vermont Division of Occupational
and Radiological Health
Administration Building
Montpelier, VT 05602

Mr. Gautam Sen
Licensing Manager
Vermont Yankee Nuclear Power
Corporation
185 Old Ferry Road
Brattleboro, VT 05301

Resident Inspector
Vermont Yankee Nuclear Power Station
U. S. Nuclear Regulatory Commission
P.O. Box 176
Vernon, VT 05354

Mr. Peter LaPorte, Director
ATTN: James Muckerheide
Massachusetts Emergency Management
Agency
400 Worcester Rd.
P.O. Box 1496
Framingham, MA 01701-0317

Jonathan M. Block, Esq.
Main Street
P. O. Box 566
Putney, VT 05346-0566

Mr. Michael J. Daley
Trustee and Legislative Representative
New England Coalition on Nuclear
Pollution, Inc.
Box 545
Brattleboro, VT 05301

TOPICS FOR DISCUSSION

1. Results of licensee's long-term corrective actions committed to in LER 98-10
 - procedure changes?
 - permanent changes to valve positions?
 - FSAR amendments forthcoming?
2. Description of the flooding/venting-related issues evaluated as part of: (a) EPG Rev 3/4 conversion, and (b) LER follow-up
 - conflicts between pump alignments/rates and assumptions in NPSH analyses?
 - impact of flooding on equipment qualification/survival?
 - impact of flooding on containment H₂/O₂ analyzer and PASS sampling capabilities?
 - impact of combined atmospheric and hydrostatic pressure on structures?
 - impact of wetwell (WW) venting (and liquid flow) on vent line and valves?
 - impact of drywell (DW) venting on vent line, valves, and SGTS operability?
 - ability to isolate containment if WW or DW vent line fails?
 - impact of secondary building flooding (from WW line failure) on ECCS?
 - impact of steam release into secondary building (from DW line failure) on ECCS?
 - impact of RPV venting, containment venting, and SGTS failure/bypass on EAB and control room doses?
3. Description of RPV, DW, and WW vent paths and valve alignments: (a) after torus vent system (TVS) installation, (b) for the interim period (TVS valved out), and (c) for the long-term.
4. Description of EOPs and support procedures governing containment flooding, and containment and RPV venting for each of the periods identified in (3) above.
5. Results of VY's assessment of valve operability and pressure capabilities for DW and WW vent paths under steam and water flow conditions, respectively.
6. Source term analysis documented in February 22, 1991, letter from GE to the BWROG (referred to in the TIA).
7. Clarification of what is considered to be the licensing basis radiological doses for a LOCA -- the values in 14.6.3.7 or the values in 14.9.2.1.

Enclosure