

APR 23 1976

Dockets Nos.: 50-29 ←
50-271
50-309

Yankee Atomic Electric Company
ATTN: Mr. Robert N. Groce
Licensing Engineer
20 Turnpike Road
Westboro, Massachusetts 01581

THIS DOCUMENT CONTAINS
POOR QUALITY PAGES

Gentlemen:

RE: Yankee Rowe
Vermont Yankee
Maine Yankee

To respond to an order from the Atomic Safety Licensing Appeal Board relating to the River Bend Station, Units 1 and 2 licensing proceeding, we must prepare testimony which requires certain information concerning fuel usage in operating reactors. Time is of great essence on this project; therefore, the Operating Reactor Project Manager has contacted you by telephone regarding our requirements. Supplying the information is entirely voluntary and is not required under the Commission's rules and regulations; however, your cooperation in supplying the information will be greatly appreciated. The information we receive from you will be combined with similar data from other operating nuclear power plants to provide an overview of fuel utilization in operating reactors. The specific information that we need for each reload since the reactor startup is:

1. Day, month and year of reactor shutdown and restart.
2. The average Uranium-235 enrichment in the reload.
3. If any fraction of the reload was previously exposed, what fraction was exposed, and what was the exposure in megawatt days per metric tonne of uranium (MWD/MTU) and the quantity of uranium in metric tonnes (MT).
4. The predicted average exposure in MWD/MTU at the time the fuel was loaded.
5. The estimated average exposure in MWD/MTU of the discharged fuel. If less than 90% of predicted, explain why.
6. The average Uranium-235 enrichment when discharged.
7. The average Plutonium-239 enrichment when discharged.

OFFICE

80110.0 677 P

APR 23 1976

- 2 -

8. Was the fuel clad in stainless steel or Zircaloy?
9. Did the reactor have sufficient reactivity left to operate at full power when it was shut down for reloading?
10. Was the reactor shut down for other than reactivity limitations that were expected to exist prior to the next reloading? If yes, why? (See No. 5)
11. Was an incore power monitoring program used to calculate the discharged exposure? If not, how were the exposures ascertained?
12. The total energy produced by the reactor (MWe-days) during the time interval between reloading.

To prepare testimony as soon as practical, the Project Manager has requested an early verbal response. We would prefer that the information you give us be confirmed in writing. If the use of this information for the intended purpose is restricted in any way, please indicate the degree of restriction. Thank you for your cooperation in this matter.

Sincerely,

Original signed by

Karl R. Goller, Assistant Director
for Operating Reactors
Division of Operating Reactors

cc: See next page

Distribution

Docket VStello
NRC PDR ACRS (16)
Local PDR
ORB4 Rdg
KRGoller
TJCarter
RWReid
Ringram
V Rooney (3)
Attorney, OELD
DEisenhut
TAbernathy

ORB4 *PD*
PD. Benedetto
4/21/76

ORB1
ABurger *PD*
4/21/76

OR
RA *Ample*
4/22/76

J Buchanan	ORB4 <i>PD</i>	C:ORB4 <i>PD</i>	OR:DOR <i>PD</i>	OELD <i>PD</i>	AD:OR:LOR
OFFICE VStello	VRooney:mmt	RWReid	TJCarter	OELD	KRGoller
SURNAME	4/21/76	4/22/76	4/22/76	4/22/76	4/23/76
DATE					

Yankee Atomic Electric Company

-3-

April 23, 1976

cc: Mr. Donald G. Allen, President
Yankee Atomic Electric Company
20 Turnpike Road
Westboro, Massachusetts 01581

Greenfield Public Library
402 Main Street
Greenfield, Massachusetts 01581

April 23, 1976

cc:

Mr. James E. Griffin, President
Vermont Yankee Nuclear Power Corporation
77 Grove Street
Rutland, Vermont 05701

Mr. Donald E. Vandenburg, Vice President
Vermont Yankee Nuclear Power Corporation
Turnpike Road, Route 9
Westboro, Massachusetts 01581

John A. Ritsher, Esquire
Ropes & Gray
225 Franklin Street
Boston, Massachusetts 02110

Gregor I. McGregor, Esquire
Assistant Attorney General
State House, Room 370
Boston, Massachusetts 02133

Richard E. Ayres, Esquire
Natural Resources Defense Council
917 - 15th Street, N. W.
Washington, D. C. 20005

Honorable M. Jerome Diamond
Attorney General
State of Vermont
109 State Street
Pavilion Office Building
Montpelier, Vermont 05602

John A. Calhoun
Assistant Attorney General
State of Vermont 109 State Street
Pavilion Office Building
Montpelier, Vermont 05602

Anthony Z. Roisman, Esquire
Berlin, Roisman and Kessler
1712 N Street, N. W.
Washington, D. C. 200

Brooks Memorial Library
224 Main Street
Brattleboro, Vermont 05301

John R. Stanton, Director
Radiation Control Agency
Hazen Drive
Concord, New Hampshire 03301

John W. Stevens
Conservation Society of
Southern Vermont
P. O. Box 256
Townshend, Vermont 05353

Mr. David M. Scott
Radiation Health Engineer
Agency of Human Services
Division of Occupational Health
P. O. Box 607
Barre, Vermont 05641

New England Coalition on
Nuclear Pollution
Hill and Dale Farm
West Hill - Faraway Road
Putney, Vermont 05346

April 23, 1976

cc:

E. W. Thurlow, President
Maine Yankee Atomic Power Company
9 Green Street
Augusta, Maine 04330

Mr. Donald E. Vandenburg
Vice President - Engineering
Yankee Atomic Electric Company
20 Turnpike Road
Westboro, Massachusetts 01581

John A. Ritscher, Esquire
Ropes & Gray
225 Franklin Street
Boston, Massachusetts 02110

Mr. Robert McLaughlin, Chairman
Citizens for Safe Power
68 Berkeley Street
Portland, Maine 04011

Mr. John M. R. Paterson
Assistant Attorney General
State of Maine
Augusta, Maine 04330

Harold P. Green, Esquire
Suite 1000
The Watergate
600 New Hampshire Avenue, N. W.
Washington, D. C. 20037

Mr. Nicholas Barth
Executive Director
Sheepscot Valley Conservation
Association, Inc.
P. O. Box 125
Alna, Maine 04535

Wiscasset Public Library Association
High Street
Wiscasset, Maine 04578