

July 2, 1984

Docket No. 50-271

Mr. J. B. Sinclair
Licensing Engineer
Vermont Yankee Nuclear Power Corporation
1671 Worcester Road
Framingham, Massachusetts 01701

Dear Mr. Sinclair:

SUBJECT: MARK I CONTAINMENT LONG TERM PROGRAM

Re: Vermont Yankee Nuclear Power Station

We have completed our post-implementation audit review of the Vermont Yankee Nuclear Power Station Plant Unique Analysis Report (PUAR) for the Mark I containment long term program. Enclosed are the staff's Safety Evaluations for the pool dynamic and structural load aspects of this program. Technical assistance was provided by Brookhaven National Laboratory for the pool dynamic load audit review and by Franklin Research Center for the structural audit review. Copies of their technical evaluations are also enclosed.

The staff has determined that all but a few of the modifications made by Vermont Yankee Nuclear Power Corporation are in accordance with the generic acceptance criteria contained in Appendix A of NUREG-0661, Mark I Containment Long Term Program and its supplement. Where deviations from the acceptance criteria specified in NUREG-0661 have been taken, they have been found acceptable. Therefore, the staff has concluded that the Vermont Yankee Nuclear Power Corporation PUAR Analysis verified that the containment modifications made have restored the original design safety margin to the Mark I containment at the Vermont Yankee Nuclear Power Station. This action completes our review of this issue.

The vacuum breakers on Mark I containments, which were the subject of Generic Letter 83-02, are not considered within the scope of the Mark I containment long term program. This issue will be reviewed independently at a later date.

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PDR ADOCK 05000271
P PDR

Mr. J. B. Sinclair

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Within 90 days of receipt of this letter it is requested that you submit any Technical Specification changes required as a result of the Mark I containment modifications you have made; (i.e. torus temperature monitoring system changes, torus to drywell differential pressure control changes, torus water level changes).

Sincerely,

Original signed by/

Domenic B. Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing

Enclosures:

1. Safety Evaluation - Pool Dynamics Load
2. Safety Evaluation - Structural Review
3. BNL Technical Evaluation Report
4. FRC Technical Evaluation Report

cc w/enclosures:

See next page

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Mr. J. B. Sinclair
Vermont Yankee Nuclear Power Corporation
Vermont Yankee Nuclear Power Station

cc:

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