

**GPU Nuclear Corporation**  
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Writer's Direct Dial Number:

December 2, 1986  
5000-86-1093

Mr. John A. Zwolinski, Director  
BWR Licensing Directorate #1  
Division of BWR Licensing  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Dear Mr. Zwolinski:

Subject: Oyster Creek Nuclear Generating Station  
Docket No. 50-219  
NUREG 0737 Item II.E.4.2(7)  
Containment Isolation Dependability

Reference: Letter from J. N. Donohew, Jr. to P. B.  
Fiedler dated August 4, 1986 and Enclosures

We have reviewed both the generic NRC staff safety evaluation, "Evaluation of the Radiological Consequences for Accidental Releases Through BWR 2-inch Vent and Purge Lines" and the Boiling Water Reactor Owners' Group (BWROG) evaluation of the subject NUREG 0737 item. We have confirmed that both evaluations, which conclude that BWR purge and vent lines of 2 inches in diameter or less need not be provided with a containment high radiation isolation signal, are applicable to the Oyster Creek Nuclear Generating Station, as discussed below.

Utilizing the BWROG evaluation method and additional conservatisms adopted by the NRC staff evaluation, dose rates were calculated using plant specific values together with generic parameter values. The dose rates were shown to be several orders of magnitude less than the acceptance criteria of 10% of 10CFR100 limits assuming both 2 inch vent lines are open.

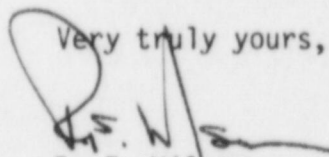
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As regards the 30 minute operator response time, we have concluded that the appropriate indication to initiate closure verification of the 2 inch containment vent and purge line valves is the control room alarm which annunciates on containment high radiation. The alarm annunciates at a radiation level which is approximately 30% of the level associated with a source term in containment that would result in offsite dose rates at the 10% of 10CFR100 limits from the large containment vent and purge lines. The alarm setpoint, therefore, provides acceptable conservatism. The applicable alarm response procedure will be revised prior to restart from the current Cycle 11R outage to require the operators to verify closure of the small containment vent and purge valves. The valve controls and their status indication are in the control room, and this action can be completed within 30 minutes. Operator training on this procedure will be conducted during cyclic training.

If you should have any questions concerning the above information, please contact Mr. M. W. Laggart at (201) 263-6205.

Very truly yours,



R. F. Wilson  
Vice President  
Technical Functions

RFW/pa(1518g)

cc: Dr. Thomas E. Murley, Administrator  
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NRC Resident Inspector  
Oyster Creek Nuclear Generating Station  
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