

POWER AUTHORITY OF THE STATE OF NEW YORK

10 COLUMBUS CIRCLE NEW YORK, N. Y. 10019

(212) 397-6200

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November 16, 1981  
IPN-81-91

Director of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attention: Mr. Darell G. Eisenhut, Director  
Division of Licensing  
Office of Nuclear Reactor Regulation

Subject: Indian Point 3 Nuclear Power Plant  
Docket No. 50-286  
Natural-Circulation Cooldown



Dear Sir:

This letter responds to your Generic Letter No. 81-21 dated May 5, 1981, regarding the subject item.

Following the St. Lucie Unit No. 1 cooldown event of June 11, 1980, I.E. Circular 80-15 was issued to address your items of concern. Subsequently, the Westinghouse Owners Group (W-OG), of which the Authority is a member, undertook a study with Westinghouse to evaluate the potential for steam void formation in Westinghouse designed NSSS during natural circulation cooldown and depressurization transients, and to develop appropriate modifications to operating instruction guidelines. This study has been completed and a summary report was submitted to the NRC via Owners Group letter OG-57 dated April 20, 1981.

After reviewing the W-OG study, the Authority has modified the natural circulation cooldown procedure to reflect the new operating guidelines and findings. Also, a plant analysis demonstrated that the Technical Specification limit on minimum Condensate Storage Tank level provides sufficient inventory to support the revised natural circulation cooldown procedure.

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The Authority has incorporated the natural circulation cooldown as a part of the licensed operator retraining program. Also, simulator exercises, for conditions which require a controlled cooldown on natural circulation and when rapid depressurization is not necessary, were administered to licensed personnel as part of the overall simulator lesson plan.

Should you or your staff have any questions, please contact us.

Very truly yours,

*C. M. Wilverding*

*for*  
J.P. Bayne  
Senior Vice President  
Nuclear Generation

State of New York  
County of New York

Subscribed and sworn to before  
me this *16* day of *November* 1981.

*Ruth G. Zapf*  
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Notary Public

RUTH G. ZAPF  
Notary Public, State of New York  
No. 30-4663428  
Qualified in Nassau County *for*  
Commission Expires March 30, 19*82*

cc: Mr. T. Rebelowski  
Resident Inspector  
U.S. Nuclear Regulatory Commission  
P.O. Box 38  
Buchanan, New York 10511

Mr. Ron Barton  
United Engineers & Constructors, Inc.  
30 S. 17th Street  
Philadelphia, PA 19101