

August 21, 1997

**ComEd**

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D.C. 20555

Subject: Additional Information Pertaining to the Technical  
Specification Amendment for the Reduction in  
in Dose Equivalent Iodine  
Byron Units 1 and 2  
NRC Docket Numbers: 50-454/456

- References:
- 1) J. Hosmer letter to the Nuclear Regulatory Commission dated January 31, 1997 transmitting Technical Specification Amendment Request.
  - 2) Teleconference dated August 6, 1997, between the Commonwealth Edison Company and the Nuclear Regulatory Commission.

The referenced letter transmitted the Commonwealth Edison Company (ComEd) request to amend the Technical Specification for the reactor coolant system Dose Equivalent Iodine-131 for Byron Unit 1. Subsequent to that transmittal teleconferences were held to clarify information pertaining to the dose consumption in the unlikely event of a main steam line break. In the referenced teleconference the Nuclear Regulatory Commission requested the dose calculations for the control room, exclusion area boundary and low population zone. Attached are the exclusion area boundary and low population zone calculations. As a result of your review of the calculations you will conclude that the Loss of Coolant Accident dose consequences bound those for a main steam line break.

As discussed August 21, 1997, the final control room calculation will be transmitted August 22, 1997.

ComEd is looking forward to meeting with the Staff on August 26th to further discuss these calculations along with any additional issues related to the Technical Specification Amendment.

If you have any questions, please contact this office.

Sincerely,

*John B. Hosmer*

John B. Hosmer  
Engineering Vice President

Attachment

cc: A. Beach, Regional Administrator - RIII  
G. Dick, Byron Project Manager - NRR  
S. Burgess, Senior Resident Inspector - Byron

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