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Vice President

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July 20, 1988

Re: Indian Point Unit No. 2  
Docket No. 50-247

Document Control Desk  
U.S. Nuclear Regulatory Commission  
Mail Station P1-137  
Washington, DC 20555

SUBJECT: Service Water System/Manhole 21

On June 23, 1988 representatives of Con Edison met with NRC Region 1 and NRR staff to discuss the status of safety related cable located in Manhole 21 at Indian Point Unit 2. The purpose of the meeting was threefold, i.e.,

1. Identify the environment in Manhole 21
2. Present the technical basis for routing safety related cabling in Manhole 21
3. Describe long term modifications for Manhole 21

The issues discussed at the meeting were the presence of water in the manhole, the qualification of lead covered PVC insulated and non lead-covered EPR (Ethylene Propylene Rubber) insulated cables for long term operation in a moist environment, and separation within the manhole. As explained at the meeting, Con Edison's position is that the existing cables, splices and separation within the manhole are acceptable based on past cable experience and analysis. The long term planned modification enhances the manhole and involves deletion of the feeders downstream of the Alternate Safe Shutdown System (ASSS) transfer switch to Service Water pumps 23 and 24 (Appx. R) from the manhole. Coincidentally, the three way splices would also be relocated from the manhole. The power feeders from Unit 1, which were never in the manhole, would remain "as is" up to the transfer switches. The intertie with the feeders terminating at Service Water pumps 23 and 24 would then occur immediately downstream of the transfer switches via pull boxes, and will include the three way splices. With this configuration, Unit 1 power is routed to Service Water pumps 23 and 24 without traversing Manhole 21. These modifications will be implemented by the end of the 1989 refueling outage.

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Based upon discussion at this meeting, Con Edison understands all issues pertaining to cables and splices within the manhole to be resolved.

If there are any questions concerning this letter please contact Mr. Jude G. Del Percio, Manager, Regulatory Affairs.

Very truly yours,



cc: Mr. William Russell  
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