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

Attention: Mr. Steven A. Varga, Chief
Operating Reactors Branch No. 1
Division of Licensing

Subject: Indian Point 3 Nuclear Power Plant
Docket No. 50-286
Fire Protection Program Review

Dear Sir:

Item 3.1.10, "Emergency Lighting" of the Safety Evaluation Report issued with Amendment No. 24 to Facility Operating License No. DPR-64 required that the Authority provide "fixed battery pack lighting units in areas providing access to safety-related areas where lighting for the access area may be damaged by a fire in the safety-related area."

In a phone conversation on April 10, 1980 between your Mr. H. George and the Authority's staff, it was indicated that the Authority could not provide the fixed battery pack lighting unit inside the containment building, as these packs cannot be environmentally qualified for the normal operating environment within the containment. The Authority proposed, in lieu of the battery packs, to extend the existing emergency lighting system within the containment to cover all access areas to safety-related equipment. This would require the addition of approximately 23 lighting fixtures to the existing system. The Authority indicated that the lighting panel for this existing lighting system was supplied with a normal ac feed and an emergency dc feed backed up by the diesel generators. Mr. George indicated that such an alternative was acceptable provided that a tested fire barrier be installed to separate the ac and dc feed runs in the same cable tray within the containment.

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In a phone conversation on September 30, 1980, the Authority's staff indicated to your Mr. G. Harrison that the ac/dc feeds to the above mentioned lighting panel was a single feed inside the containment with a manual transfer switch outside containment to select the appropriate power supply to the lighting panel; and therefore, the Authority will not be able to provide a tested fire barrier between the ac/dc feeds inside containment.

Very truly yours,



J. P. Bayne
Senior Vice President
Nuclear Generation

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