

POWER AUTHORITY OF THE STATE OF NEW YORK

10 COLUMBUS CIRCLE NEW YORK, N. Y. 10019

(212) 397-6200

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August 15, 1980
IPN-80-78

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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:

In Attachment 1 to our March 25, 1980 letter (IPN-80-34) to the Commission, the Authority committed to install Item 3.1.8(2), Additional Dry Pipe Sprinklers in the Cable Tunnel, by August 15, 1980. The Authority finds that it will not be able to complete this item by the scheduled date for the reasons as set forth below, and requests an extension of time to complete this item to October 31, 1980.

This item consists of extending the cable tray sprinkler system in the electrical tunnel to provide fire protection for cable trays 18N, 19N, and 22N. The closed head spray nozzles will be located above the trays and will be horizontal side-wall type nozzles to provide coverage of the trays. Rate of rise type heat detectors will be provided above each cable tray. In addition, an independent water supply for the sprinkler system on each side of the electrical tunnel will be provided.

Approximately one-hundred seismic supports have to be designed, analyzed, fabricated and installed to support this fire protection piping. The Authority has experienced delays in getting the seismic support designs completed which has impacted on fabrication and installation of the supports. The Authority has also experienced some difficulty in obtaining the qualified structural material for these supports.

Approved
8/10

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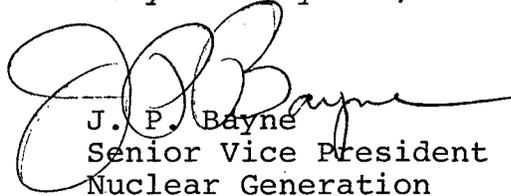
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In many cases the fire water piping is attached to the seismic supports using U-bolts and backing plates. The rod diameter for these U-bolts is not standard and they have to be fabricated specifically for these supports. In addition the backing plates and U-bolts must be galvanized to satisfy the NFPA code requirements and the Authority has experienced significant delays in finding a vendor to do the plating and in getting the work done.

The rate of rise heat detectors will be installed and in operation in the immediate future. These detectors actuate a deluge valve which is alarmed and annuciated in the control room. This action informs the operators that there is some malfunction in the tunnels area and a fire crew can be sent to the area to investigate.

Until these modifications are completed, provisions will be made for manual fire fighting capabilities to extinguish a fire in this area. In the event of a fire, the fire brigade will be immediately informed to fight the fire. Continued safe operation of the Indian Point 3 facility will not be compromised while these fire protection improvements are completed and there will be no undue risk to the health and safety of the public.

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