



Commonwealth Edison

One First National Plaza, Chicago, Illinois

Address Reply to: Post Office Box 767

Chicago, Illinois 60690 - 0767

September 23, 1986

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Byron Station Unit 2
Fire Protection
NRC Docket No. 50-455

Reference (a): July 30, 1986 letter from K. A. Ainger
to H. R. Denton

Dear Mr. Denton:

Reference (a) provided a listing of the majority of the permanent NFPA code deviations identified by our fire protection engineering consultant for Byron Unit 2. Most of these deviations are the same as those which were identified for Byron Unit 1. Byron Unit 1 NFPA code deviations are listed in Table 3-1 of the Byron/Braidwood Fire Protection Report.

Attached to this letter is a listing of NFPA code deviations for Byron Unit 2 which were not identified on the Byron Unit 1 list.

One signed original and fifteen copies of this letter and attachment are provided for NRC review.

Please direct any questions regarding this matter to this office.

Very truly yours,

K. A. Ainger
Nuclear Licensing Administrator

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Attachment

cc: Byron Resident Inspector

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Fire Zone	NFPA Reference	Recommendation	Resolution
All water spray systems.	15 - 1985 2-13	A suitable flushing connection should be incorporated into the water spray systems to facilitate routine flushing.	System main drain tests are performed which will flush piping up to system piping. The system can be pneumatically cleaned if determined necessary. No further action required.
All automatic water spray systems	15 - 1985 4-9.25	A gage connection should be provided at or near the nozzle calculated as having the least pressure under normal flow conditions.	Hydraulic analysis verified the adequacy of the water supply to meet the greatest hydraulic demand. A review of the individual water spray systems calculation against the design and water supply confirm the calculation with respect to the system design. A gage on this system is not considered necessary. No further action required.
18.11-2 (River screen house diesel (2) storage tanks)	30 - 1981 2-4.4.48	Tanks shall be equipped with an overflow device or means to prevent overflow into the building. In this regard, a liquid overflow pipe at least one pipe size larger than the fill shall be provided and connected to an approved location.	Byron station personnel will monitor filling of these tanks. Byron station procedures have been developed to adequately address spills. This procedure is considered acceptable. No further action recommended.

Fire Zone	NFPA Reference	Recommendation	Resolution
3.3A-2 3.3B-2 3.3C-2 3.3D-2	12A - 1985 2-7.4	Only listed or approved equipment and devices shall be used in the system. Halon check valves Model No. 1-061-733, Serial No. M-2964.	The Halon check valves are not specifically listed independently, however provided as a component of this halon system design which was reviewed and found to have been designed, installed and tested in accordance with the recommendation of NFPA. The preoperational test of these systems will verify operability of these valves. These valves are considered to be adequate. No further action required.
All automatic water spray systems.	15 - 1985 2-1.2	The solenoid switch manufactured by Automatic Switch Company and installed on the automatic water spray systems should be U.L. listed.	The testing procedures confirms component operability. This is considered acceptable.
11.7-0, 11.7-1, 11.7-2, 18.4-2, 3.3A-2, 3.3A-1	15 - 1985 4-11.3	Individual strainers should be provided at each nozzle where water passage ways are smaller than 1/8 inch.	Strainers are provided upstream of the fire pumps. Also, flushing procedures will eliminate any debris.
18.11-2 (River screen house diesel (2) storage tanks)	15 - 1985 2-4.4.8	Tanks shall be equipped with an overflow device or means to prevent overflow into building. In this regard, a liquid overflow pipe at least one pipe size larger than the fill pipe shall be provided and connected at an approved location.	Byron station procedures have been developed to adequately address spills in all plant areas. No further action is required. This is considered adequate.