Commonwealth Edison
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Chicago, Illinois 60690

April 5, 1983

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

Subject: Byron Generating Station Units 1 and 2
Pre-Fire Plans
NRC Docket Nos. 50-454 and 50-455

Reference (a): March 8, 1983, letter from C. W. Schroeder to H. R. Denton.

Dear Mr. Denton:

This is to provide a revision to one of the Byron Station pre-fire plans which was provided in reference (a).

Enclosed with this letter is a revised plan for the Fuel Handling Building containing specific information on the additional fire loading imposed by temporary timber supports associated with Unit 2 construction. As noted in the Fire Protection Report, this temporary transient fire loading does not necessitate additional fire detection or suppression systems. It has been provided for, however, in the pre-fire plans.

Please direct any questions you may have regarding this matter to this office.

One signed original and fifteen copies of this letter and the enclosure are provided for your use.

Very truly yours,

C W Schroeder 3/5/83

for T. R. Tramm
Nuclear Licensing Administrator

lm

cc: J. G. Keppler

B002

6254N

LOCATION: Fuel Handling Building, Elevation 426'-0" and New Fuel Unloading Area at Elevation 411'-0"

FIRE ZONE: 12.1-0 (Detection Zone 38)

GSEP CONDITION: Refer to BZP 320-1, "Fire Fighting", and BZP 200-A1, "Byron Emergency Action Levels"

EMERGENCY LIGHTING: AC Essential Bus, DC Emergency Bus, One self-contained emergency light

TYPE OF FIRE/FIRE LOAD: Oil, gasketing, grease, cable insulation--3,600 Btu/ft^2
Also, temporary railway support timbers during Unit 2 construction (represents additional estimated 44,700 Btu/ft^2)

PERSONNEL HAZARD: a) Products of combustion
b) Area above spent fuel pit may have dose rate > 60 mrem/hr
Area above spent fuel cask storage area and decontamination area may have dose rate $\leq$ 20 mrem/hr

COMMUNICATIONS: Portable radios; telephone (one extension); one sound-powered phone jack; PA (H-114, H-232)

FIRE EQUIPMENT: Detection: UV
Suppression System: None
Hose Reels: Three: Nos. 170, 171, 59
Portable Extinguishers: 5

PLANT EQUIPMENT:

Safety-Related	Radioactive	BOP
Fuel handling crane, aux. bldg. HVAC ductwork	Potentially radioactive due to pressure of spent fuel	

ACCESS: From the auxiliary building at V/18; From Elevation 401 of the fuel handling building via stairways

VENTILATION: VA System

SMOKE REMOVAL: VA System
Use the following method: A.1 Open the fire dampers OVA413Y and OVA414Y
A.2 Smoke will follow the designed flow path. Smoke from this area will flow through the fuel handling exhaust filter plenum and auxiliary building exhaust plant vent stack as shown in P&ID's referred above

ADDITIONAL INFORMATION: See FPR Figures: 2.3-19
2.3-22, 2 of 2
Refer to P&ID's: M-95-1
M-95-2
M-95-3
M-95-12
M-95-14