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Regional Administrator Region III U S Nuclear Regulatory Commission 799 Roosevelt Road Glen Ellyn, IL 60137

> PRAIRIE ISLAND NUCLEAR GENERATING PLANT Docket Nos. 50-282 License Nos. DPR-42 50-306 60

Emergency Plan Exercise - October 14, 1982

Responsive to your January 12, 1982 guidance letter, attached, is the Scenario Outline that we have developed for the subject exercise.

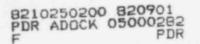
Copies of this Outline are being forwarded to FEMA by the Minnesota Division of Emergency Services and the Wisconsin Division of Emergency Government.

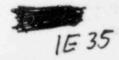
E C Ward Manager-Nuclear Environmental Services

ECW/dab

Attachment

cc Kenneth C Parsch, MDES w/o attachment Joseph L LaFleur, WDEG w/o attachment Brian K Grimes, U S NRC-Division of Emergency Preparedness





PRAIRIE ISLAND NUCLEAR GENERATING PLANT EMERGENCY PLAN EVALUATION EXERCISE SCENARIO OUTLINE (October 14, 1982)

Initial Conditions

1

The plant is initially at full power. One (#1) diesel generator is out of service.

Time	Comment
0745	Initial conditions are given to the operating crew.
0815	While performing the diesel generator #2 surveillance test, a fire occurs. The second diesel generator must be shut down. A <u>Notification of Unusual Event</u> is to be declared since the plant must be shut down.
0845	Increasing containment airborne activity indicated on 1R11 and 1R12 by alarm.
0900	Diesel generator fire is out. Reactor Coolant System (RCS) leak rate reported at 10 gpm.
0930	RCS leak rate is 60 gpm. An Alert should be declared.
1000	Continuous Air Monitors (CAM) alarms and radiation monitor alarms indicate possible containment release.
1030	A Large Break Loss of Coolant accident occurs. A <u>Site Area</u> <u>Emergency</u> should be declared. Two fan coil units lost. Containment spray pump seizes.
1045	Containment spray pump #1 breaker malfunction. #1 containment spray pump lost.
1100	Leak through containment purge line starts.
1130	Off-site dose reaches level necessitating General Emergency declaration.
1200-1230	Lunch · ·
1230	Continue exercise. General Emergency level. Release continuing.
1245	#1 containment spray pump breaker replaced. Pressure starts to fall off.
1330	Purge valve repaired. Reduce to Site Area Emergency level.
1400	Containment fan coils returned to service.
1430	Downgrade to Alert based on plant at cold shutdown. Terminate drill. Re-entry starts. Closeout with state agencies.

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