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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.

ECWard

E C Ward
Manager-Nuclear Environmental Services

ECW/dab

Attachment

cc Kenneth C Parsch, MDES w/o attachment
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PRAIRIE ISLAND NUCLEAR GENERATING PLANT
EMERGENCY PLAN EVALUATION EXERCISE
SCENARIO OUTLINE (October 14, 1982)

Initial Conditions

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

<u>Time</u>	<u>Comment</u>
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 <u>Alert</u> 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 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 <u>General Emergency</u> declaration.
1200-1230	Lunch
1230	Continue exercise. <u>General Emergency</u> level. Release continuing.
1245	#1 containment spray pump breaker replaced. Pressure starts to fall off.
1330	Purge valve repaired. Reduce to <u>Site Area Emergency</u> level.
1400	Containment fan coils returned to service.
1430	Downgrade to <u>Alert</u> based on plant at cold shutdown. Terminate drill. Re-entry starts. Closeout with state agencies.