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November 26, 1986
5211-86-2202

Dr. Thomas E. Murley
Region I, Regional Administrator
US Nuclear Regulatory Commission
631 Park Avenue
King of Prussia, PA 19406

Dear Dr. Murley:

Three Mile Island Nuclear Station, Unit 1 (TMI-1)
Operating License No. DPR-50
Docket No. 50-289
Emergency Action Levels

As required by 10CFR50, Appendix E, Section IVB, we are forwarding a revision of Emergency Action Level (EAL) 8.1.D for your approval. EAL 8.1.D, High Winds has been revised to include more specific measurable parameters and to more closely conform to the guidance contained in NUREG 0654/FEMA-Rep-1. Enclosure 1 contains the existing 8.1.D and Enclosure 2 contains the revision of 8.1.D. This revision has been reviewed by the Pennsylvania Bureau of Radiation Protection and they agree with the proposed changes.

We request your review and approval within 30 days so that this EAL revision can become effective.

Sincerely,

H. D. Hukill
Vice President & Director, TMI-1

HDH/DVH/spb

cc: F. Young

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GPU Nuclear

GPNC
CORPORATE EMERGENCY PLANENCLOSURE 1
Number
1000-PLAN-1300-01
Revision No.

Title

GPU NUCLEAR CORPORATION EMERGENCY PLAN FOR THREE MILE
ISLAND AND OYSTER CREEK NUCLEAR STATIONS

TABLE 10A: TMI-1 EMERGENCY ACTION LEVELS

| | UNUSUAL EVENT | ALERT | SITE AREA EMERGENCY | GENERAL EMERGENCY |
|------------------------------------|---|--|--|----------------------|
| B.0 NATURAL and MAN-MADE PHENOMENA | | | | |
| B.1 (Natural Phenomena) | Natural phenomena being experienced OR projected beyond usual levels as indicated by one of the following conditions, during operation at power: | Severe natural phenomena being experienced as indicated by one of the following conditions, during operation at power: | Severe natural phenomena being experienced OR projected as indicated by one of the following conditions AND the plant is NQI in cold shutdown: | N/A |
| B.1.A (Earthquake) | VALID alarm PRF-1-2 "Threshold Seismic Condition" ($\geq 0.01g$ but $< 0.06g$ Horizontal Acceleration AND/OR $\geq 0.01g$ but $< 0.04g$ Vertical Acceleration) | VALID alarm PRF-1-3 "Operating Basis Earthquake" ($\geq 0.06g$ but $< 0.12g$ Horizontal Acceleration AND/OR $\geq 0.04g$ but $< 0.08g$ Vertical Acceleration) | VALID "Safe Shutdown Earthquake Condition" ($\geq 0.12g$ Horizontal Acceleration AND/OR $\geq 0.08g$ Vertical Acceleration) | N/A |
| B.1.B. (High River Level) | ≥ 282 ft. PROJECTED river stage at the river water intake structure (50 year flood level) | ≥ 302 ft. but < 307 ft. ACTUAL river stage at the river water intake structure. | ≥ 307 ft. ACTUAL river stage at the river water intake structure. | N/A |
| B.1.C. (Low River Level) | < 272 ft. PROJECTED river stage at the river water intake structure (50 year low level) | < 271 ft. PROJECTED river stage at the river water intake structure | < 271 ft. ACTUAL river stage at the river water intake structure. | N/A |
| B.1.D (High Winds) | High winds gusting to ≥ 75 mph as indicated on Wind Speed Recorder (NDS-501) QR (TWO) The National Weather Service has issued a Tornado or Hurricane Force Winds 'WATCH' | Any tornado striking the facility QR (TWO) Hurricane force winds of ≥ 75 mph but < 95 mph as indicated on Wind Speed Recorder (NDS-501) | Sustained tornado conditions QR (TWO) Hurricane force winds of ≥ 95 mph as indicated on Wind Speed Recorder (NDS-501) | N/A |

for to enclosure 2)

E13A-23

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| | UNUSUAL EVENT | ALERT | SITE AREA AREA EMERGENCY | GENERAL EMERGENCY |
|-----------------------|---|---|---|----------------------|
| 8.1.D (High Winds) | <p>The average wind speed is greater than 60 mph for more than 1 minute as indicated on Wind Speed Recorder (NDS-501).</p> <p><u>OR (TWO)</u></p> <p>Three Mile Island is included in a National Weather Service (NWS) tornado or high-wind "WARNING" area.</p> | <p>The average wind speed is greater than 74 mph for a period of more than 45 seconds as indicated on Wind Speed Recorder (NDS-501).</p> <p><u>OR (TWO)</u></p> <p>The National Weather Service (NWS) is forecasting sustained winds in excess of 74 mph for the Harrisburg area within 4 hours.</p> <p><u>OR (THREE)</u></p> <p>The NWS expects a a tornado to track directly over the facility.</p> <p><u>OR (FOUR)</u></p> <p>Any tornado striking the facility.</p> | <p>The average wind-speed is greater than 80 mph for a period of more than 45 seconds.</p> <p><u>OR (TWO)</u></p> <p>The National Weather Service (NWS) is forecasting sustained winds in excess of 80 mph for the Harrisburg area within 4 hours.</p> <p><u>OR (THREE)</u></p> <p>The NWS expects a tornado of F5 intensity to track directly over the facility.</p> <p><u>OR (FOUR)</u></p> <p>Any tornado of F5 intensity striking the facility.</p> | N/A |

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