

50-352

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June 10, 1983

Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Limerick Generating Station, Units 1&2
Information for Power Systems Branch

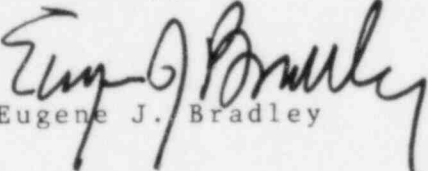
Reference: Telephone Call with Mr. E. Tomlinson,
Power Systems Reviewer & Philadelphia
Electric Company, June 7, 1983

Dear Mr. Schwencer:

The attached draft change to FSAR Section 9.5.3.2.2 is
being made as a result of the referenced telecon.

This change will be formally incorporated into the FSAR
revision scheduled for July 1983.

Sincerely,


Eugene J. Bradley

JTR/gra/18

Copy to: See Attached Service List

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Boo!
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cc:	Judge Lawrence Brenner	(w/o enclosure)
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	Atomic Safety and Licensing Board Panel	"
	Docket and Service Section	"

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leave the dc-supplied power system to provide lighting for the remote operations required in those areas as well as access to those areas.

[INSERT A] See attached

9.5.3.2.3 Outdoor Security and Roadway Lighting

Outdoor security and roadway lighting is provided by sodium vapor luminaires. The lighting illuminates the "security" area and the security fence to 0.2 fc or greater.

The outdoor lighting poles do not exceed 130 feet in height. Any 130-foot pole is designed to withstand a sustained wind velocity of 90 mph and gusts of up to 117 mph. Shorter poles are designed to withstand winds of higher velocity. All exterior lighting poles are designed in accordance with 1975 AASHTO specifications for structural supports for highway luminaires.

The security area lighting is supplied from the non-Class 1E buses. The other outdoor area lighting is generally supplied from the normal 440V buses. In the far areas, remote from the normal 440V source, this lighting is supplied from the nearby Class 1E buses. The lighting supplied from the Class 1E buses is shed on a LOCA signal. This lighting, however, can be manually reconnected to the Class 1E buses following a LOCA through administrative controls.

9.5.3.3 Safety Evaluation

The lighting systems are not safety-related and are classified as non-Class 1E. When components of the lighting systems are located within seismic Category I structures, these components are supported on a selective basis to seismic Category IIA requirements described in Section 3.2. The basis for providing Category IIA supports is to prevent the lighting equipment from falling on safety-related equipment and impairing its ability to perform safe shutdown functions during a seismic event.

Lighting is provided to permit the operators to shut down the plant safely and maintain it in a safe shutdown condition at all times. The lighting system provides lighting at all times in areas used during reactor shutdown or emergency.

During normal plant operation, all plant lighting systems are energized from the respective unit auxiliary buses and startup buses. In the event of ac power loss from both unit auxiliary

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Insert A

In the Main Control Room, Emergency AC lighting is supplied from Divisions 1 and 4 of Class 1E power. The Emergency AC lighting supplied from each Division of Class 1E power provides a uniform light level of approximately 20 footcandles in the Main Control Room.

NOTE; Table 9.5-12 will be revised as follows;
The Main Control Room Emergency Lighting - AC supplied will be revised from 20 footcandles to 40 footcandles.

JJ Gyrath
6/7/83