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JOHN S. KEMPER
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ENGINEERING AND RESEARCH

October 13, 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 and 2
Meteorological Monitoring System

REFERENCES: (1) Letter from J. S. Kemper to A. Schwencer,
dated September 1, 1982
(2) Letter from E. J. Bradley to A. Schwencer,
dated June 13, 1983

FILE: GOVT 1-1 (NRC)
INFO 21 (Meteorology)

Dear Mr. Schwencer:

As a result of a telecon between R. J. Stipceovich/A. J. Marie/
C. J. Olenik of PECO and L. Kintner/E. Markee/R. Martin of the Staff on
September 30, 1983, we are enclosing the following information:

1. Magnetic tape containing hour-by-hour meteorological data for the
most recent one-year period available (1980) to correct significant
deficiencies in the tape submitted with Reference Letter (1).

The joint frequency distributions submitted with Reference Letter
(1) are unaffected.

2. Magnetic tape containing hour-by-hour meteorological data for the
most recent one-year period available (1980) on a "composite"
system basis.

The "composite" system includes all of the primary tower (Tower No.
1) data but uses secondary tower (Tower No. 2) wind speed and
direction data from the same MSL elevation where Tower No. 1 data
is missing. The justification for this substitution has been
established by the Applicant and is presented in FSAR Section
2.3.2.1.1.2 and Table 2.3.2-30.

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Tapes
Advanced
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3. Five (5) copies of the "Joint Frequency Distributions of Wind Direction and Speed by Atmospheric Stability Class - Meteorological Tower 1 - Composite Tape - 1980", dated October 12, 1983.

These distributions are based on the data from the magnetic tape indicated in Item 2 above.

Revised responses to Question 451.9 and Question E451.8 will be included in the December, 1983 revision of the FSAR and EROL respectively.

The Reference Letter (2) transmitted draft responses and draft FSAR page changes which were prepared in response to the Meteorology and Effluent Treatment Branch, Draft Safety Evaluation Report, Items 2, 4, 5 and Request for Additional Information (RAI) 451.14.

The response to DSER, Meteorology Section, Question 5 outlined the modifications that were being made to the Meteorological Monitoring System in order to comply with the criteria of Regulatory Guide 1.23, Proposed Rev. 1, and indicated an operational date of October 15, 1983 for the complete system.

Due to a delay in receipt of the new instrumentation at the Limerick site, it is necessary to revise the implementation schedule. The following schedule of system implementation and data submittal was discussed in the telecon between R. J. Stipceovich/A. J. Marie/C. J. Olenik of PECO and L. Kintner/E. Markee/R. Martin of the Staff on September 30, 1983:

- | | | |
|-------------------|---|---|
| October 15, 1983 | - | Primary Weather Tower (Tower No. 1) with complete instrumentation in-service. Data collection will be done via strip-chart recorders at the base of the tower. This will fulfill our commitment to begin the demonstration period for adequate data recovery from the upgraded system on this date. |
| November 15, 1983 | - | Secondary Weather Tower (Tower No. 2) with complete instrumentation in-service. Data collection will be done via strip-chart recorders at the base of the tower. |
| December 15, 1983 | - | Satellite Tower with complete instrumentation in-service. Control room strip-charts and data-logger recording data from <u>all</u> locations will be fully operational. |
| February 15, 1984 | - | Submittal of meteorological data for the 10/15/83 - 1/15/84 period for review by the Staff. |
| May 15, 1984 | - | Submittal of meteorological data for the 1/15/84 - 4/15/84 period for review by the Staff. |
| August 15, 1984 | - | Submittal of meteorological data for the 4/15/84 - 7/15/84 period for review by the Staff. |

The Meteorological Monitoring System calibration procedures and maintenance personnel training program documentation will be available for Staff review at the time of the site emergency drill.

Sincerely,

John S. Kiefer

Enclosures

Copy to: See Attached Service List

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