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JOHN S. KEMPER
VICE-PRESIDENT
ENGINEERING AND RESEARCH

SEP 10 1984

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

Docket Nos.: 50-352
50-353

Subject: Limerick Generating Station, Units 1 and 2
Additional Information for Equipment
Qualification Branch/Seismic Qualification Review
Team (EQB/SQRT) Regarding SER Open Issue No. 6.

Reference: (1) Letter from J. S. Kemper to A. Schwencer dated August 1, 1984.
(2) Telecon between NRC (Arnold Lee) and PECO on September 5, 1984.

File: GOVT 1-1 (NRC)

Dear Mr. Schwencer:

The reference (1) letter provided information regarding the threaded taper pins used in the HPCI and RCIC turbine assemblies. Pursuant to the reference (2) telecon we are providing the following information which (a) supports the HPCI and RCIC turbine assembly hot alignment and taper pin installation schedule mentioned in reference (1) and (b) confirms the use of NRC-approved hydrodynamic loads in the mechanical and electrical equipment qualification.

(a) The HPCI and RCIC turbine instruction manuals supplied by Terry Turbine, the turbine manufacturer, require that the taper pins be installed during hot alignment. Hot alignment, according to these manuals, must take place following a period of turbine operation using 300°F and 240°F steam for the HPCI and RCIC turbines, respectively. Turbine operation, with steam of sufficient temperature and pressure, will not be available until RPV steam is at the 140 to 145 psi pressure level. The power ascension schedule, which is based on RPV conditions attained, not calendar days, will require the hot alignment of the turbines at the 140 to 145 psi level. This pressure level is below the Technical Specification limit of 150 psi which requires HPCI and RCIC turbine operability. (See Technical Specifications 3.5.1 and 3.7.3 respectively).

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(b) DAR Table 1.3-2 and SER Section 6.2.17 document the hydrodynamic load acceptance criteria that were used in the equipment qualification of safety related mechanical and electrical equipment and their supports. The following are the significant sections of the FSAR and DAR that discuss the use of hydrodynamic loads for equipment qualification:

FSAR Sections	DAR Sections
3.10.1,	5.6, 6.7,
3.10.2,	6.8, 7.1.6,
3.9.2.2a,	7.1.7, 7.2.1.11,
3.9.2.2b	7.2.1.12

Should you require any additional information, please do not hesitate to contact us.

Sincerely,

John F. Kloepfer

RDC/gra/09068402

cc: See Attached Service List

cc: Judge Lawrence Brenner
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Judge Christine N. Kohl
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