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Pennsylvania Power & Light Company

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Harold W. Keiser
Senior Vice President-Nuclear
215/774-4194

DEC 18 1992

Director of Nuclear Reactor Regulation
Attention: Mr. C.L. Miller, Project Director
Project Directorate I-2
Division of Reactor Projects
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

**SUSQUEHANNA STEAM ELECTRIC STATION
SUBMITTAL OF REVISION 1 TO POWER
UPRATE LICENSING TOPICAL REPORT
PLA-3890 FILES A17-2/R41-2/P88-1**

Docket Nos. 50-387
and 50-388

Reference: PLA-3788, H.W. Keiser to C.L. Miller, "Submittal of Licensing Topical Report on Power Uprate With Increased Core Flow," dated June 15, 1992.

Dear Mr. Miller:

The purpose of this letter is to submit Revision 1 to the referenced PP&L Licensing Topical Report on Power Uprate for Susquehanna SES Units 1 and 2. Revision 1 incorporates the following changes:

- **Confirmation of Evaluation Results** - Revised pages 50 and 73 provide confirmation of the expected results for the Wetwell Pool Swell analysis and the Main Transformer evaluation, respectively.
- **Correction to Ultimate Heat Sink Performance Analysis** - Revised page 88 (Table 6-1) reflects correction of an error that was identified in the Ultimate Heat Sink Maximum Water Loss analysis. The original conclusion that the UHS contains sufficient water inventory to sustain a DBA for 30 days without makeup remains unchanged.

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- Revision to proposed Power/Flow Map - Revised pages 6, 9, 19, 63, 64, 66, 132, and 133, and the revised markups of anticipated Operating License and Technical Specification changes (Enclosure 3 to the reference) reflect changes necessary to support operation at an uprated Extended Load Line Limit Analysis (ELLLA) rod line. PP&L is proposing this change based on recent NRC indications that it is acceptable to propose under the guidelines of the generic Power Uprate program. NYPA (Fitzpatrick) has already proposed this operating strategy, and it is our current understanding that future submittals from other licensees will include it as well.

Operation at an uprated ELLLA rod line has been generically approved by the NRC based on General Electric NEDC-31897P-1. A substantial amount of SSES-specific analyses have been performed at the uprated ELLLA rod line. The remaining cycle-specific power uprate analyses can be successfully performed in this manner as well.

Several significant improvements will result from this change. They include:

- Improved margin to fuel failure through better fuel utilization
- Reduced likelihood of reactivity control errors due to fewer control rod manipulations
- Increased net generation due to improved operational flexibility and reduced house loads (recirculation pumps).
- Fewer changes in operator training
- Increased margin to scram setpoints
- Reduced nuisance alarms

As stated in the reference, a formal License Amendment submittal is in preparation in support of Unit 2 Cycle 7 (May, 1994) implementation. PP&L's current forecast for this submittal continues to be the 4th quarter of 1993.

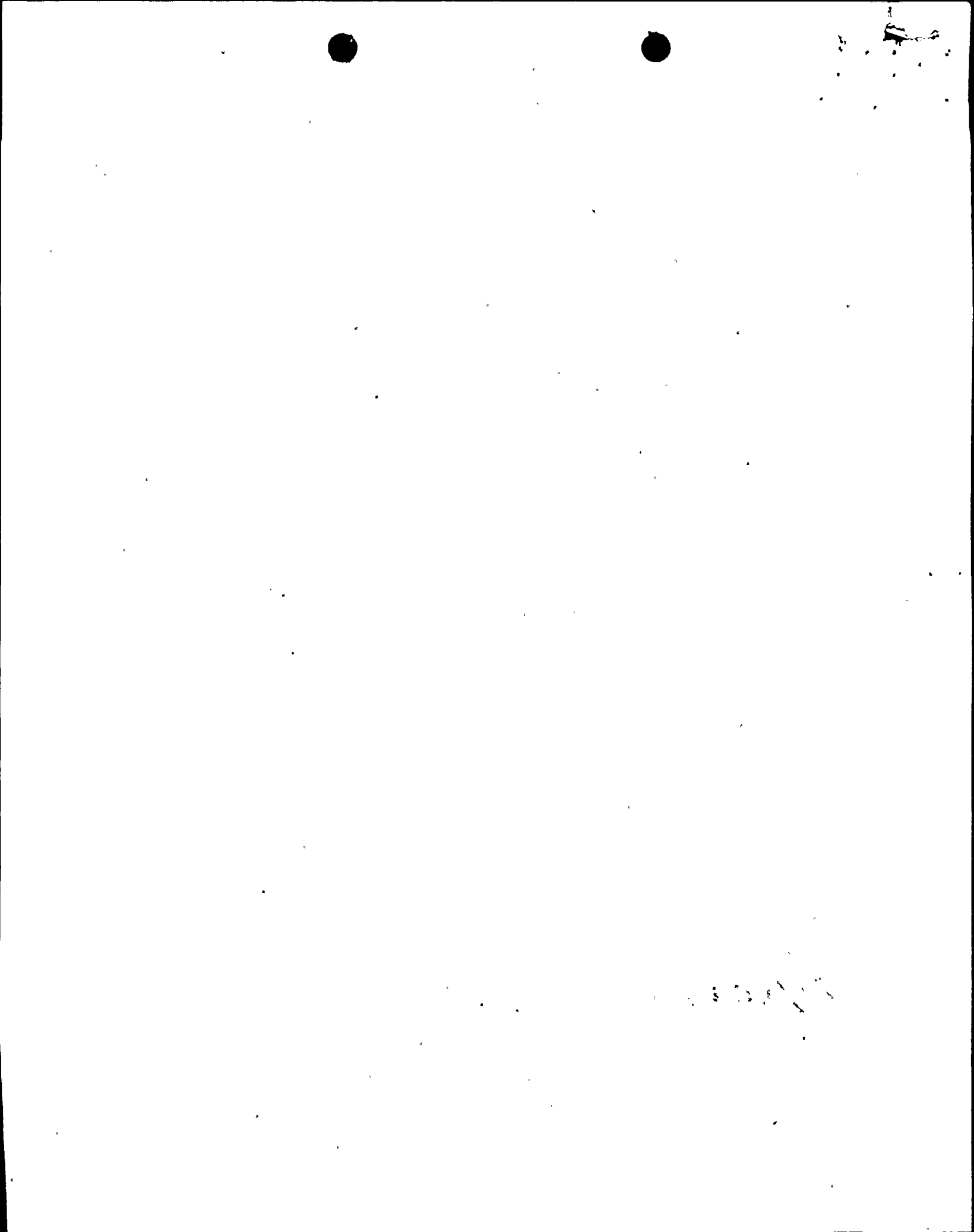
The enclosed pages should be inserted into the referenced report in accordance with the attached instructions. Any questions on this submittal should be directed to Mr. R.R. Sgarro at (215) 774-7914.

Very truly yours,



H. W. Keiser

Attachments



cc: NRC Document Control Desk (original)
NRC Region I
Mr. G. S. Barber, NRC Sr. Resident Inspector, SSES
Mr. R. J. Clark, NRC Sr. Project Manager, OWFN
Mr. R. J. Stransky Jr., NRC Power Uprate Project, OWFN

