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SUBJECT: Forwards application for amend to licenses NPF-14 & NPF-22, changing UHS average water temp to assure that 85 F limit is maintained.

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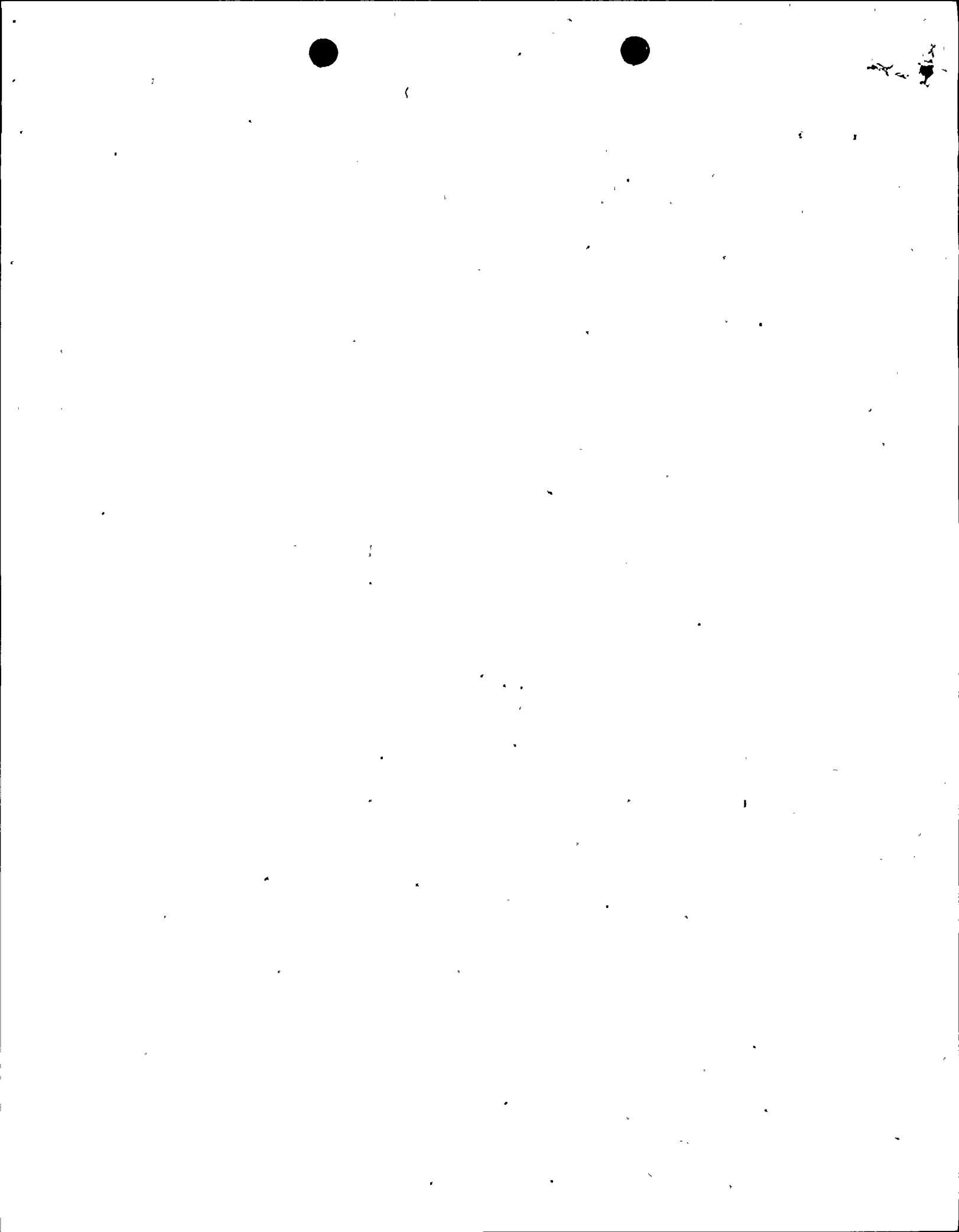
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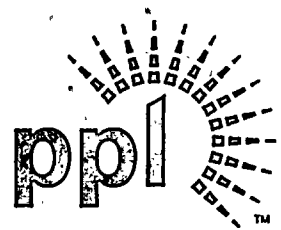
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**SUSQUEHANNA STEAM ELECTRIC STATION
PROPOSED AMENDMENT NO. 206 TO LICENSE NPF-14
AND PROPOSED AMENDMENT NO. 171 TO LICENSE NPF-22:
ULTIMATE HEAT SINK AVERAGE TEMPERATURE
PLA-4638**

FILES R41-2/A17-2

Docket Nos. 50-387
and 50-388

The purpose of this letter is to propose a change to surveillance requirement 4.7.1.3.a contained in both Unit 1 and Unit 2 Susquehanna Steam Electric Station (SSES) Technical Specifications. This change is proposed to maintain the SSES Technical Specifications reflective of current SSES analyses. Currently this surveillance requirement assures that the SSES Ultimate Heat Sink (UHS) average water temperature is maintained less than or equal to 88°F.

Resolution of a discrepancy regarding the reactor decay heat values used in UHS analyses has precipitated the need for the change. The analyses have been revised incorporating the corrected decay heat values. The UHS analyses are performed in accordance with Regulatory Guide 1.27 and the reactor decay heat analyses are performed in accordance with Branch Technical Position ASB 9-2. The revised analyses show that by reducing the initial UHS temperature from 88 to 85 °F, the peak calculated instantaneous temperature following a design basis accident (DBA) LOCA/LOOP will be maintained less than the results reported previously. Also, the analyses show that adequate water supply will be available without makeup for 30 days in accordance with Regulatory Guide 1.27 requirements.

Procedure changes have been implemented to assure that the 85°F limit is maintained.

Attachment 1 presents the safety assessment for the change request. This assessment concludes that this change to the SSES Unit 1 and Unit 2 Technical Specifications provides assurance that following a DBA LOCA/LOOP the SSES UHS will be capable of performing its design basis function.

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Attachment 2 contains the "No Significant Hazards Considerations" and "Environmental Considerations" assessments. The "No Significant Hazards Considerations" assessment concludes that the proposed Technical Specification change does not involve an increase in the probability or consequences of an accident previously evaluated; does not create the possibility of a new or different kind of accident from any accident previously evaluated; and does not involve a reduction in the margin of safety. The "Environmental Considerations" assessment concludes that the change conforms to the criteria for actions eligible for categorical exclusion as specified in 10 CFR 51.22(c)(9), and will not impact the environment.


Attachment 3 contains marked-up pages from the Unit 1 and Unit 2 Technical Specifications to illustrate the proposed changes.

The proposed changes have been approved by the SSES Plant Operations Review Committee and reviewed by the Susquehanna Review Committee.

Evaluations of options are ongoing which are focused on re-establishment of a higher limit. We will keep you informed of these efforts.

If you have any additional questions, please contact Mr. M. H. Crowthers at (610) 774-7766.

Very truly yours,


R. G. Byram
Attachments

copy: NRC Region I
Mr. K. Jenison, NRC Sr. Resident Inspector
Mr. C. Poslusny, NRC Sr. Project Manager
Mr. K. Kerns, Pennsylvania DEP/BRP



Handwritten scribble or signature in the lower right quadrant.