

SAFETY EVALUATION REPORT
SUSQUEHANNA STEAM ELECTRIC STATION, UNIT NOS. 1 AND 2
DOCKET NOS. 50-387/388
CONFORMANCE TO REGULATORY GUIDE 1.97

INTRODUCTION AND SUMMARY

Pennsylvania Power and Light Company (PP&L) was requested by Generic Letter 82-33 to provide a report to the NRC describing how the post accident monitoring instrumentation meets the guidance of Regulatory Guide 1.97 as applied to emergency response facilities. The licensee responded to the generic letter by letter dated April 15, 1983, referring to a previous submittal dated November 13, 1981. Additional information was provided by letters dated March 13 and May 31, 1984.

A detailed review and technical evaluation of the licensee's submittals was performed by EG&G Idaho, Inc., under contract to the NRC, with general supervision by the NRC staff. This work is reported by EG&G in their Technical Evaluation Report (TER), "Conformance to Regulatory Guide 1.97, Susquehanna Steam Electric Station, Unit Nos. 1 and 2," dated October 1984 (attached). We have reviewed this report and concur with the conclusion that the licensee either conforms to, or is justified in deviating from, the guidance of Regulatory Guide 1.97 for each post accident monitoring variable.

EVALUATION CRITERIA

Subsequent to the issuance of the generic letter, the NRC held regional meetings in February and March 1983, to answer licensee and applicant questions

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and concerns regarding the NRC policy on this matter. At these meetings, it was noted that the NRC review would only address exceptions taken to the guidance of Regulatory Guide 1.97. Further, where licensees or applicants explicitly state that instrument systems conform to the provisions of the guide, it was noted that no further staff review would be necessary. Therefore, the review performed and reported by EG&G only addresses exceptions to the guidance of Regulatory Guide 1.97. This Safety Evaluation addresses the licensee's submittals based on the review policy described in the NRC regional meetings and the conclusions of the review as reported by EG&G.

EVALUATION

We have reviewed the evaluation performed by our consultant contained in the enclosed Technical Evaluation Report, and concur with its bases and findings. The licensee either conforms to, or has provided an acceptable justification for deviations from the guidance of Regulatory Guide 1.97 for each post-accident monitoring variable.

CONCLUSION

Based on the staff's review of the enclosed Technical Evaluation Report and the licensee's submittals, we find that the Susquehanna Steam Electric Station, Unit Nos. 1 and 2, design is acceptable with respect to conformance to the guidelines of Regulatory Guide 1.97, Rev. 2.



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