

SAFETY EVALUATION REPORT  
DAVIS-BESSE 1  
ALTERNATIVE TO KEYLOCK  
CONTROL TO BYPASS VALVES  
TAC 10999  
AUGUST 1979

Prepared By: Plant Systems Branch  
Division of Operating Reactors

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## 1.0 INTRODUCTION

By letter dated January 11, 1979, Toledo Edison transmitted the technical report "Reliability Study of Davis Besse 1 Decay Heat Removal System Suction Bypass" in response to NRC SER NUREG-0136, Supplement No. 1, dated April 1977. The SER license condition required the licensee to submit an analysis of design modification alternatives for the present keylock control in the manual bypass valves DH21 and DH23 around the DHR suction line valves to decrease the likelihood of the bypass path being opened inadvertently when isolation of the DHR loop is required.

## 2.0 EVALUATION

The enclosed Technical Evaluation Report was prepared for us by the Lawrence Livermore Laboratory as part of our DOR technical assistance program.

## 3.0 CONCLUSIONS

Based on the review of our consultant's enclosed Technical Evaluation Report, we agree with their conclusions that: (1) the licensee's analysis of design modification alternatives for the present keylock control of the manual bypass valves DH21 and DH23 satisfies our SER Supplement No. 1 license condition; and (2) the proposed procedural change entailing the use of one unique key and lock to secure bypass valves decreases the likelihood of the bypass being opened inadvertently when isolation of the DHR loop is required. The proposed analysis of design modification alternatives is, therefore, acceptable to us.

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