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Development of Reliability Monitoring System for Emergency Diesel Generators

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Abstract

This paper describes Reliability Monitoring System (RMS) which has been developed to evaluate and monitor the reliability of emergency diesel generators (EDGs) in Yonggwang Units 3&4. The program of RMS is designed with three modules: Reliability Monitor, Reliability Evaluator, and Availability Evaluator. RMS will be utilized as a part of reliability program that implements effective root cause analysis of all EDG failures and that is designed to monitor, improve, and maintain reliability at selected levels according to Regulatory Guide 1.9 Rev. 3.