



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO OVERRIDE OF CONTAINMENT PURGE ISOLATION
AND OTHER ESF ACTUATION SIGNALS
ALABAMA POWER COMPANY
JOSEPH M. FARLEY NUCLEAR PLANT, UNIT NO. 1
DOCKET NO. 50-348

Introduction

As a result of Abnormal Occurrence #78-05, the NRC issued a generic letter requesting each licensee to take certain actions. Our review of the licensee's actions included a visit to the plant site and a review of licensee provided information.

Evaluation

The enclosed report (EG&G 1183-4146) was prepared for us by the Lawrence Livermore Laboratory (LLL) and EG&G, San Ramon, as part of our technical assistance program. This report provides a technical evaluation of the electrical instrumentation and control design aspects of the override of containment purge valves isolation and other engineered safety feature actuation signals and is based upon review of these design aspects against the six staff review criteria provided for the review. The 48-inch containment purge valves at Joseph M. Farley are currently tagged shut and are not being used for purging or venting. All venting and purging is being performed through an 18-inch system. The isolation valves for this 18-inch system satisfy the staff review criteria cited above. The technical evaluation concludes that the design conforms with our review criteria.

Conclusion

Based upon our review of the consultant's technical evaluation, we conclude that the electrical, instrumentation and control design aspects of the override of containment purge valves isolation and other engineered safety feature actuation signals are acceptable.