



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
CONTROL OF HEAVY LOADS - PHASE I  
ARKANSAS POWER AND LIGHT COMPANY  
ARKANSAS NUCLEAR ONE, UNITS 1 AND 2  
DOCKET NOS. 50-313 AND 50-368

I. Introduction

As a result of Generic Task A-36, "Control of Heavy Loads Near Spent Fuel," NUREG-0612, "Control of Heavy Loads at Nuclear Power Plants," was developed. Following the issuance of NUREG-0612, a generic letter dated December 22, 1980, was sent to all operating plants, applicants for operating licenses and holders of construction permits requesting that responses be prepared to indicate the degree of compliance with the guidelines of NUREG-0612. The responses were made in two stages. The first response (Phase I) was to identify the load handling equipment within the scope of NUREG-0612 and to describe the associated load paths, procedures, operator training, special and general purpose lifting devices, the maintenance, testing and repair of equipment and the handling equipment specifications. The second response (Phase II) was intended to show that either single-failure-proof handling equipment was not needed or that single-failure-proof equipment had been provided. This safety evaluation report contains the staff's evaluation of Phase I. An evaluation of Phase II will be the subject of future correspondence.

By letter dated December 22, 1980, the Arkansas Power and Light Company, the licensee for Arkansas Units 1 and 2, was requested to review their provisions for handling and control of heavy loads at Arkansas Units 1 and 2 to determine the extent to which the guidelines of NUREG-0612 are presently satisfied and to discuss and commit to mutually agreeable changes and modifications that would be required in order to fully satisfy these guidelines.

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II. NRC Review and Evaluation

The staff and its consultant, the Franklin Research Center (FRC), have reviewed Arkansas Power and Light Company (APLC) submittals for Arkansas Units 1 and 2. As a result of its review, FRC has issued a Technical Evaluation Report (TER) dated September 24, 1984. This TER is a part of our Phase I SER for NUREG-0612. The staff has reviewed the TER and concurs with its findings that the guidelines in NUREG-0612, Sections 5.1.1 and 5.3 have been satisfied. We therefore conclude that Phase I of Control of Heavy Loads for ANO-1&2 is acceptable.

Dated: October 11, 1984

Principal Contributor: A. Singh