



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

NINE MILE POINT NUCLEAR PLANT, UNIT 1

CONTROL OF HEAVY LOADS - PHASE I

SAFETY EVALUATION

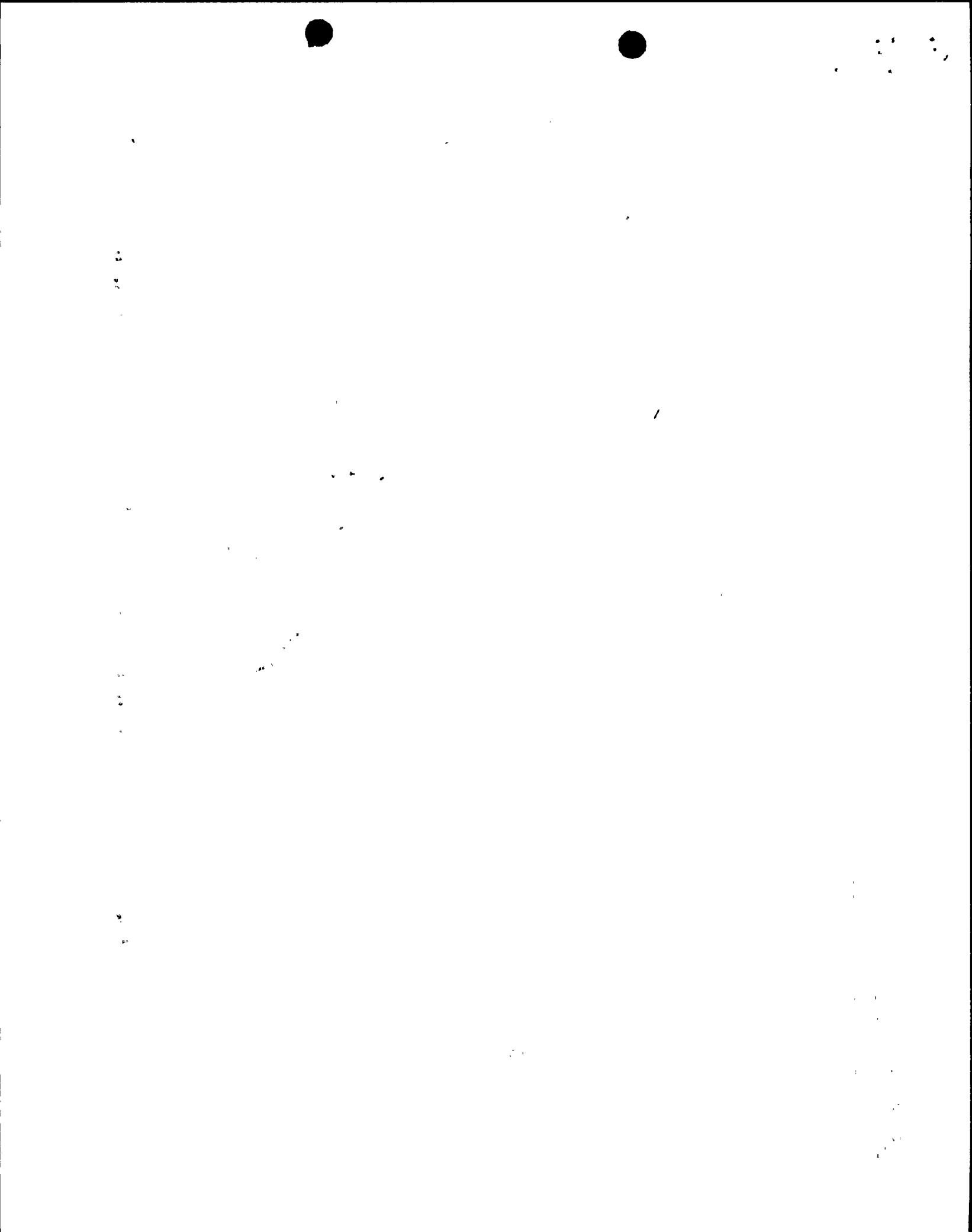
1. Introduction

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. As indicated above, in accordance with the generic letter dated December 22, 1980, Niagara Mohawk Power Corporation, the licensee for Nine Mile Point 1 was requested to review their provisions for handling and control of heavy loads at Nine Mile Point, Unit 1 to determine the extent to which the guidelines of NUREG-0612 are satisfied and to commit to mutually agreeable changes and modifications that would be required in order to satisfy these guidelines. By letters dated May 22, July 28, September 22, 1981, September 30, and November 15, 1983, July 26, 1984 and January 18, 1985, the licensee provided the responses to this request.

2. Evaluation

The staff and its consultant, the Franklin Research Center (FRC), have reviewed the licensee's submittals for Nine Mile Point, Unit 1. As a result of its review, FRC has issued the enclosed Technical Evaluation Report (TER). The TER contains two open items regarding guidelines 1 and 4. The first open item concerns safe load paths in the turbine building associated with heavy loads handled by the turbine building crane, and the second open item requests that the

8503210436 850305  
PDR ADOCK 05000220  
PDR



licensee verify that proof of load tests for special lifting devices were performed and an inspection program for these devices will be established to ensure continuing compliance with criteria.

Regarding the safe load path issue, the licensee's submittal of November 15, 1983 indicated that redundant safety-related cable trays were located under the east and west ends of the turbine building crane operating floor. In response to our concern regarding potential damage to these cables from load drops, by letter dated July 26, 1984, the licensee stated that a caution had been added into the load handling procedures to alert the operators to the existence of the cable trays. We find this acceptable.

Regarding the special lifting device issue, by letters dated July 26, 1984 and January 18, 1985, the licensee stated that proof of load tests have been performed and an inspection program will be established for annual checking of load bearing members and accessible welds of the special lifting devices. We find this acceptable for resolving this concern.

### 3. Conclusion

The staff has reviewed the TER and concurs with its findings. The TER is a part of the SER. Based on the TER and the above discussed resolution of the two open items, we conclude that the guidelines in NUREG-0612, Sections 5.1.1 and 5.3 have been satisfied. We therefore, consider that Phase I for Nine Mile Point, Unit 1 is acceptable.

Principal Contributor: A. Singh

Dated: March 5, 1985

