



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 88 TO FACILITY OPERATING LICENSE NO. DPR-63

NIAGARA MOHAWK POWER CORPORATION

NINE MILE POINT NUCLEAR STATION, UNIT NO. 1

DOCKET NO. 50-220

1.0 INTRODUCTION

By application dated January 3, 1986, Niagara Mohawk Power Corporation (the licensee) requested an amendment to Appendix A of Facility Operating License No. DPR-63 for the Nine Mile Point Nuclear Station, Unit No. 1. The amendment would modify the Technical Specifications (TS) by adding an explanatory phrase to clarify the intention of the phrase "at all times" found in Table 3.6.14-1. Notes for Table 3.6.14-1 would be modified by adding footnote (i) which states that the intention of this phrase is to continuously monitor the Service Water System effluent line by alternately sampling the reactor building and turbine building service water return lines for approximately 15 minute intervals.

2.0 EVALUATION

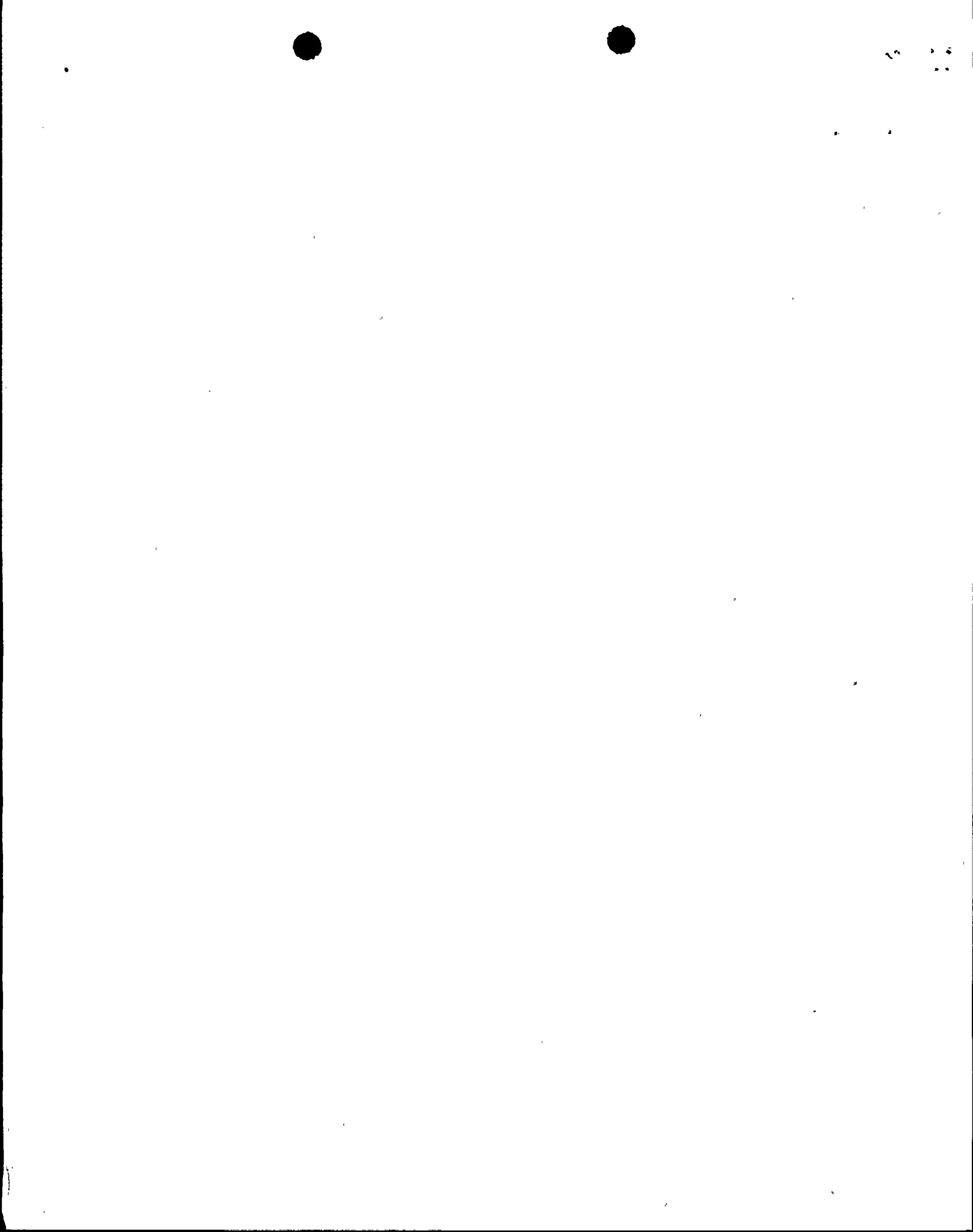
Niagara Mohawk proposes to install a new monitor to sample effluent from the reactor building and turbine building service water return lines. Taps will be installed in the reactor building and turbine building service water return lines and effluent piped to the new monitor. From the monitor, the effluent will be returned to the discharge tunnel. A "stream selector" will be used to periodically (approximately every 15 minutes) switch between the two effluent lines being monitored. The "stream selector" will alternately open one of the air operated valves and close the other air operated valve.

The monitor will alarm in the control room to alert the operator that action has to be taken to comply with Technical Specification 3.6.14 requirements. In addition, the computer point for the high radiation alarm will identify the effluent line being monitored by identifying the selector valve (air operated valve) which is open at the time.

In addition, the reactor building and turbine building service water return lines are nonsafety related. Therefore, the piping, valves and monitor are nonsafety related. In accordance with Regulatory Guide 1.143, the piping valves and miscellaneous couplings will be designed, fabricated, installed and inspected to the requirements of ANSI B31.1.

The proposed amendment incorporates an explanatory phrase clarifying the intent of the technical specification requirement. This phrase provides for the alternate sampling of the reactor building and turbine building service water return lines. Interpreting the phrase to include monitoring conducted with approximate 15 minute time intervals on alternate return lines will provide the necessary monitoring and additional diagnostic data required by the TS, and is therefore acceptable.

8610160088 861006
PDR ADDCK 05000220
PDR



3.0 ENVIRONMENTAL CONSIDERATION

This amendment involves a change to a requirement with respect to the installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendment involves no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that this amendment involves no significant hazards consideration and there has been no public comment on such finding. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b) no environmental impact statement nor environmental assessment need be prepared in connection with the issuance of this amendment.

4.0 CONCLUSION

The staff has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security nor to the health and safety of the public.

Principal Contributor: J. Kelly

Dated: October 6, 1986.



100