



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 48 TO FACILITY OPERATING LICENSE NO. NPF-30

UNION ELECTRIC COMPANY
CALLAWAY PLANT, UNIT 1
DOCKET NO. STN 50-483

1.0 INTRODUCTION

By letter dated August 2, 1989, Union Electric Company (the licensee) proposed revisions to Technical Specification Figures 5.1-1, 5.1-2, 5.1-3 and 5.1-4 (exclusion area, low population zone, site boundary for gaseous effluents and site boundary for liquid effluents). The proposed figures have been clarified and updated to show the additional area closed to public use by the Reform Wildlife Management Agreement dated April 10, 1989.

2.0 EVALUATION

Technical Specification Figure 5.1-1 is a map of the site showing the Exclusion Area as described in the Callaway Final Safety Analysis Report (FSAR) and the meteorological tower locations. The proposed changes to this figure are the deletion of unnecessary background information and the addition of the areas closed to public use. There are no changes to the Exclusion Area as described in the FSAR.

Figure 5.1-2 is a map of the site showing the Low Population Zone (LPZ) as described in the Callaway FSAR. Additional features such as towns, roads, industrial, and recreational areas are also shown to allow identification of significant shifts in population distribution within the LPZ. The proposed changes to this figure are the deletion of unnecessary background information and clarification of boundaries for the areas closed to public use. There is no change to the LPZ as described in the FSAR.

Figure 5.1-3 is a map identifying the site boundary for radioactive gaseous effluents. In addition the figure identifies structure and release point locations, and areas within the site boundary that are accessible to members of the general public. For the areas accessible to the general public, occupancy factors and method of occupancy control are listed. The proposed changes to this figure are the deletion of unnecessary background information, correction of the boundaries for areas closed to public use around the plant, and addition of the new areas closed to public use by the Reform Wildlife Management Agreement dated April 10, 1989. There is no change to the site boundary for radioactive gaseous effluents or to the areas closed to public use around the fenced-in plant area. Also, this

change does not affect the methodology or parameters used in the Offsite Dose Calculation Manual for the calculation of radioactive gaseous effluents from the plant.

Figure 5.1-4 identifies the location of the liquid effluent discharge into the Missouri River. Also shown is the site boundary for radioactive liquid effluents that is accessible to the public. The proposed changes to this figure are the deletion of unnecessary background information and clarification of the information indicating the discharge point into the Missouri River. There are no changes to the site boundary for radioactive liquid effluents or changes to the area closed to public use around the discharge point to the Missouri River. Also, this change does not affect the methodology or parameters used in the Offsite Dose Calculation Manual for the calculation of radioactive liquid effluents into the Missouri River.

Based on the above discussions, the staff finds that the revisions to the site figures provide appropriate updating and clarification, are administrative in nature, and are acceptable.

3.0 ENVIRONMENTAL CONSIDERATION

This amendment relates to changes in recordkeeping, reporting, or administrative procedures or requirements. Accordingly, the amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(10). Pursuant to 10 CFR 51.22(b) no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the 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 or to the health and safety of the public.

Principal Contributor: Tom Alexion

Dated: November 1, 1989