



UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

FEB 15 1994

DOCKET: 70-113

LICENSEE: General Electric Company  
Wilmington, North Carolina

SUBJECT: SAFETY EVALUATION REPORT: APPLICATION DATED FEBRUARY 4, 1994,  
CHANGES TO CONFORM TO THE RECENT REVISED 10 CFR 20

Background

By application dated December 9, 1993, and supplement dated December 10, 1993, General Electric Company (GE), Wilmington North Carolina, requested amendment of License SNM-1097 to authorize changes to conform to the recent revised 10 CFR 20. By letter dated February 4, 1994, GE submitted a revised application which supersedes the December 9 and 10, 1993, submittals in their entirety.

Discussion

The proposed changes by GE include changes to reflect the new numbering scheme of 10 CFR 20, the new methodology for dose limitations, the new exposure and actions limits, and the new definitions in 10 CFR 20. In addition, GE provided notification that the facility name had changed from Nuclear Fuel and Components Manufacturing (NF&CM) to Nuclear Energy Production (NEP).

The major specific changes regarding 10 CFR 20 included:

- \* Deleting the weekly airborne control measures to be consistent with 10 CFR 20.
- \* Removing the lung counting frequency matrix since the criteria in the matrix was based on the old 10 CFR 20 system of weekly and quarterly exposure limits which were deleted from the new 10 CFR 20. In addition, the lower Annual Limit on Intake (ALI) in the new 10 CFR 20 reduces the usefulness of lung counting as a monitoring technique.
- \* Replacing the maximum permissible lung burden and the lung burden restriction of 250 micrograms of uranium-235 by an intake base criteria consistent with the new 10 CFR 20.
- \* Modifying the respiratory protection program to include a protection factor of 10 for half mask respirators as permitted by new 10 CFR 20.
- \* Changing the external exposure quarterly action levels to conform with new 10 CFR 20.

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- \* Changing the action level for the N.E. Cape Fear River monthly grab samples to conform with the lowered 10 CFR 20 Appendix B Table 2 limit for waterborne effluents.
- \* Changing several other action limits and wording to conform with new 10 CFR 20.

#### Categorical Exclusion

Based on the information submitted by GE, the staff has determined that these changes will not adversely affect the public health and safety or the environment. Accordingly, the staff has determined that the criteria in 10 CFR 51.22(c)(11) for categorically excluding an action from an environmental review have been met. Therefore, neither an Environmental Assessment nor an Environmental Impact Statement is necessary for this proposed action.

#### Conclusion/Recommendation

The staff concludes that the proposed changes should have no adverse effect on the public health and safety or the environment.

The Region II Principal Inspector has no objection to this proposed action.

#### Principal Contributors

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