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FEB 12 1981

Docket Nos.: STN 50-482
and STN 50-483

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Dear Gentlemen:

Subject: SNUPPS FSAR - Request for Additional Information

As a result of our review of your application for operating licenses we find that we need additional information regarding the SNUPPS FSAR. The specific information required is as a result of the Effluent Treatment Systems Branch's review and is listed in the Enclosure.

To maintain our licensing review schedule for the SNUPPS FSAR, we will need responses to the enclosed request by March 27, 1981. If you cannot meet this date, please inform us within seven days after receipt of this letter of the date you plan to submit your responses so that we may review our schedule for any necessary changes.

Please contact Mr. Dromerick, SNUPPS Licensing Project Manager, if you desire any discussion or clarification of the enclosed report.

Sincerely,

Original signed by
Robert L. Tedesco

Robert L. Tedesco, Assistant Director
for Licensing
Division of Licensing

Enclosure:
As stated

cc: See next page



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REQUEST FOR ADDITIONAL INFORMATION

SNUPPS FSAR

360.1 EFFLUENT TREATMENT

360.1 (11.4) Table 11.4-3 (sheet 2) of the SNUPPS FSAR indicates that the estimated annual volume of dry and compacted waste is based upon Table 2-49 of WASH-1258. The estimated volume was 3,380 ft³. Page 11.4-8 of the SNUPPS FSAR states that the filled drums are sealed and moved to the dry waste storage area in the radwaste building, where they are stored until they are shipped offsite. Figure 1.2-3 of the SNUPPS FSAR shows that the storage area which has a storage capacity of 722 drums, if stacked three high, and 1055 drums, if stacked five high. Data made available since the publication of WASH-1258 have made that document inappropriate for waste projections. The dry waste volumes estimated by WASH-1258 are much lower than those being generated at operating reactors. NRC staff calculations, which are based on data from semi-annual effluent reports, show that the volume of dry wastes generated are independent of reactor size and amount to approximately 10,000 ft³ (compacted) annually, which is a factor of three greater than the estimates presented in the SNUPPS FSAR. Also, the growing uncertainty of the availability of burial space has made the availability of adequate storage space at the reactor facility an important issue.

Based upon the material presented above, provide information verifying that the storage space at Callaway will be sufficient to handle the storage of drummed waste in accordance with the requirements of Branch Technical Position, ETSB 11-3 (Rev. 1), item III (Waste Storage).

360.2
(11.4)

Page 11.4-12 of the SNUPPS FSAR discusses shielded storage areas for "high-level" solidified radwaste and "low-level" solid radwaste. The term "high-level" is inappropriate and should be revised. "High-level" generally refers to reprocessing wastes resulting from the first cycle of solvent extraction. More recently, use of the term has been extended to cover spent reactor fuel. See 10 CFR Part 50, Appendix F, item 2.