

RETURN TO 396-SS



70-1151  
PDR

Westinghouse  
Electric Corporation

REE-EKR-85-085

Nuclear Fuel Division  
Manufacturing Department

Drawer R  
Columbia, South Carolina 29250  
(803) 776 2610

October 17, 1985

U. S. Nuclear Regulatory Commission  
Office of Nuclear Material Safety and Safeguards  
Division of Fuel Cycle and Material Safety  
Washington, DC 20555

ATTENTION: Mr. W. T. Crow, Acting Chief  
Uranium Fuel Licensing Branch

Reference: SNM-1107, Docket 70-1151

Gentlemen:

Westinghouse Electric Corporation hereby submits an amendment request regarding additional facilities and equipment to be installed on the Columbia Site to support expanded operations. The facilities include plant, office, cafeteria and kitchen additions.

Attached are general descriptions of each project. A check for \$150.00 is included to cover the costs on administrative amendment. Construction is scheduled to begin as early as December, 1985. Consequently, your timely attention to this letter is appreciated. If you have any questions, please write or telephone me at (803) 776-2610, Extension 247.

Sincerely,

WESTINGHOUSE ELECTRIC CORPORATION

*Edward K. Reitler*

E. K. Reitler, Manager  
Radiological and Environmental Engineering

lb  
WPO473E:3p.4

cc: A. J. Nardi

Applicant.....
Check No. 399470.....
Amount/ Fee Category 150-1.0.....
Type of Fee AND.....
Date Check Rec'd. 10/20/85.....
Received By. C. Nardi.....



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PDR ADOCK 07001151  
C PDR

RECEIVED  
85 OCT 30 AM 0:29  
U.S. N.R.C.  
FUEL CYCLE BRANCH

85 OCT 28 PM 2:27

25951

ENCLOSURE TO TRANSMITTAL OF OCTOBER 17, 1985

SNM-1107, DOCKET 70-1151

PLANT AND OFFICE EXPANSION

PURPOSE

The purpose of the plant and office expansion projects is to provide additional facilities to support new product lines; to provide increased space for existing operations, storage and offices; to improve facilities for decontamination and reduction of low level radioactive wastes; and to install additional cafeteria and kitchen space.

SCOPE

The plant expansion projects include (1) a Southwest contiguous addition (15,000 square feet) to house operations such as scrap recovery, stratification blending, SNM storage and rod salvage; (2) a Southeast contiguous addition (46,000 square feet) to house operations such as bulk powder blending and storage, additional change rooms, development laboratory, tool room, chemical maintenance, Chem Lab expansion, and Health Physics offices and laboratory; (3) a Southeast detached addition (48,000 square feet) to house the Improved Fuel Processing Operations (see Subparagraph 1.9.10 of SNM-1107); (4) a contiguous office (25,000 square feet) addition adjacent to the existing office building, and (5) a contiguous cafeteria and kitchen (3,000 square feet) adjacent to the existing cafeteria. All facilities and operations which will be relocated to the plant expansions are currently licensed under SNM-1107.

CONSTRUCTION

Approximately 137,000 square feet will be committed to the plant and office expansion. Standard construction techniques will be used during site preparation and excavation activities. All construction will conform to the Southern Building Code. To the extent possible, the plant and office expansion will complement existing architectural designs.

RADIOLOGICAL SAFETY

Ventilation, containment and effluent designs shall conform to those described in SNM-1107.

NUCLEAR CRITICALITY SAFETY

Nuclear criticality safety criteria shall conform to those described in SNM-1107.

ENVIRONMENTAL

The environmental effects of construction will be limited to site preparation and excavation of approximately 137,000 square feet. Appropriate construction techniques will be used to minimize the effects of construction such as water run-off and airborne dusting. Following construction, the areas will be appropriately landscaped in accordance with the existing facilities. Consequently, the effects of construction should be minimal.

The effects of plant expansion operations on the environment should be minimal for the following reasons: (1) Most of the operations in the plant expansion will be relocated from the existing plant, except for the Improved Fuel Processing operations which are also an extension of existing plant pellet and rod loading operations, (2) Treatment of liquid and gaseous effluents will be similar in design to existing operations which have already been licensed and evaluated from an ALARA standpoint, (3) The relocations are being conducted to provide space for a second IDR process line; however, the total plant load will be less than 1600 MTU per year which was evaluated in the Columbia Plant Update for Environmental Impact Appraisal, April 1983, which was submitted in support of the SNM-1107 license renewal application, (4) Less than 5% of the site area will be occupied by manufacturing and support facilities as described in the Environmental Impact Appraisal.

DOCKET NO. 70-1151  
CONTROL NO. 25951  
DATE OF DOC. 10/17/85  
DATE RCVD. 10/28/85  
FCUF ☒ PDR ☒  
FCAF \_\_\_\_\_ LPDR \_\_\_\_\_  
WM \_\_\_\_\_ I&E REF. ☒  
WMUR \_\_\_\_\_ SAFEGUARDS ☒  
NOTE \_\_\_\_\_ OTHER \_\_\_\_\_

DESCRIPTION:

request for  
amendment

10/31/85 INITIAL Cee