

Westinghouse Electric Corporation



Westinghouse Building
Gateway Center
Pittsburgh Pennsylvania 15222

December 17, 1970

U. S. Atomic Energy Commission
Division of Materials Licensing
Washington, D. C. 20545

Attention: Mr. Richard E. Cunningham, Chief
Materials Branch

Gentlemen:

Subject: Application for an Amendment to License 37-09442-01

The Westinghouse Electric Corporation hereby requests an amendment to License 37-09442-01 to update the facility description, primarily to specify clearly the existence of the Radiation Calibration Facility (RCF) and additional test cells. The use of radioactive materials in these facilities will be in accordance with general license requirements and as specified by the Isotopes Committee.

The pages of the attachment supersede the corresponding pages of our transmittal dated July 29, 1965. For convenient reference, the new pages may be filed as part of that document. The removed pages may be filed at the rear of that document.

Please send the amendment to me at the above address.

If you have any questions, please write to me at the above address, or telephone collect, (412) 255-3907.

Very truly yours,

Karl R. Schendel

Karl R. Schendel
License Administrator

KRS:sw

Attachment

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(ATTACHMENT #5 (cont.)
FACILITIES AND EQUIPMENT (cont.)

Personnel access to the High Radiation Area (with source exposed) at the RCF will be controlled by key locks on access doors and gates. The keys will be controlled by RCF management.

Sealed sources which produce radiation levels that may constitute an extreme exposure hazard to personnel may be used in a test cell or in the basement below one of the test cells. Access to the basement is by stairway from the test cell. The test cell floor (between the cell and the basement) is a 3/4 inch and 1 inch steel deck plate supported by steel I Beams. In the RCF, sealed sources will be stored in a pit below the floor level of the Radiation Bldg. The source will be exposed using a remotely controlled mechanism.

(When not in use, all sealed sources will be kept in storage containers within the facility. Lead bricks and/or other shielding (e.g., paraffin for neutron sources) will be available to provide additional shielding where necessary to keep radiation exposures within the limits of regulatory requirements. Additionally, handling tools such as tongs or rotating shield plugs, etc. will be used as necessary.

An exhaust hood is available for use where the possibility of airborne radioactive dust, fumes or gaseous material may occur. The exhaust system contains an "absolute filter" with a positive exhaust blower. The face velocity of the hood is 100 ft./min. or greater.

Crane facilities, forklift trucks or other devices are provided for movement of heavy shielding.

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ATTACHMENT #6 (cont.)

RADIATION PROTECTION PROGRAM (cont.)

by the Advanced Reactors Division Industrial Hygiene Group which furnishes these services for all activities at the Waltz Mill Site. Trained technicians, under the supervision of the Manager of Industrial Hygiene and Safety, are assigned to the Experimental Facility on a full-time basis as required. In addition, all use of radioisotopes must be approved by the Isotopes Committee. Special nuclear materials are used extensively in this facility and the radiation protection program for use of isotopes is integrated with the overall radiation protection program.

1. Personnel Monitoring

A film badge personnel monitoring program is provided by the Manager of Industrial Hygiene and his personnel. There is a pickup location where individuals receive film badges upon entering an operating area and return them when they leave.

The need for film badge use is determined by the Manager of Industrial Hygiene and this need will comply with regulatory requirements. Film badge readings are recorded and are part of Industrial Hygiene records.

There is a personnel monitoring instrument located at the entrance to the work areas where byproduct material is used, so personnel can check themselves for contamination before leaving. Personnel check themselves for contamination daily or whenever they leave the facilities.