



October 24, 1974

Materials Branch
Directorate of Licensing
U. S. Atomic Energy Commission
Washington, D.C.

Dear Sirs:

Please accept this letter as a request from the Amersham/Searle Corporation, 2636 South Clearbrook Drive, Arlington Heights, Illinois 60005, for amendments to our licenses 12-12836-01 and 12-12836-02E • for the purpose of utilizing an additional building for the receipt, storage and packaging of radioactive products. This new facility is presently occupied by another company which is leaving in December. The building is located approximately 100 yards north of our present facility, and the address is 2616 South Clearbrook Drive.

Both buildings are in the Clearbrook Industrial Park, zoned for commercial use. No residential buildings are located within one-half mile of either building. A single, two-story office building belonging to another firm is interposed between the two buildings. Another building, not owned or operated by Amersham/Searle, is located about thirty-four feet north of the new facility (see sketch).

The new facility at 2616 South Clearbrook has the layout depicted in the attached two-page photocopy of the blueprints. The building is one story high, with a 16-foot ceiling. Heat-activated sprinkler heads are located in the ceiling throughout the building. Approximately 11,000 square feet will be utilized as warehouse and operating space, and 3,000 square feet will be used as office space.

No major renovation or reconstruction of the building is contemplated at present. A shielded Source Storage Area will be constructed in the north-west corner of the building. It will be constructed of high-density (135 pounds/ft³) 8"x8"x16" (80-pound) concrete blocks, with walls approximately seven feet in height. The walls will be surrounded by a wrought-iron fence with a locking gate, eight feet high. A laboratory-quality exhaust fume hood will be installed in the packaging area in the event of accidental spillage or leaking containers. This hood will be equipped with absolute filters and will be ventilated through a duct to the roof.

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REGULATORY OPERATIONS

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At present, four major functions will be carried out in the warehouse. Non-radioactive supplies will be stored in pallet racks covering the bulk of the warehouse. Non-radioactive products will be stored in a small storage location. Radioactive products will be stored in a large (440 square feet) 2° C. walk-in cooler, smaller coolers, a liquid nitrogen freezer and at room temperature locations. Finally, a relatively large area will be used as a packaging and staging area.

No changes will be made in presently established methods for handling radioactive material or in health physics procedures. No open or unsealed sources of radioactive material will ever be handled in this facility. The Radiation Safety Office will be maintained at its present location in the 2636 Clearbrook Drive facility. Emergency decontamination equipment will be present in the new facility as well as adequate survey instrumentation. The Radiation Safety Officer could be present at the new facility in less than five minutes, if needed. All employees working in this building will be assigned film badge dosimeters.

Radiation levels in the new facility are expected to be minimal. No location outside the Source Storage Area would be expected to exceed five millirem per hour. Within the Source Storage Area, radiation levels are not expected to exceed 30 millirem per hour initially. Provisions will be made to enable a smooth transition to a high radiation area if increased inventory levels necessitate this change in the future. The radiation level in any area not controlled by the Amersham/Searle Corporation is not expected to exceed in any one hour, or 100 millirems in any seven consecutive days. Due to the location of the building in a non-residential area, and due to the presence of a parking lot on the western boundary and a warehouse on the northern boundary of the new site, it is unlikely that any individual in an unrestricted area would receive a dose to the whole body in any period of one calendar year in excess of 0.5 rem.



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I hope that this information will be sufficient for you to reach a decision on this request for amendment. Should there be any additional questions, please call me at 312: 593-6300. I would appreciate your earliest possible consideration of this request in order that we might move into this new facility by January of 1975. I thank you for your cooperation in this matter.

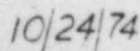
Sincerely yours,

Steve Goetsch
Radiation Safety Officer

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12-FUTURE
AMERSHAM



AMERSHAM/SEARLE CORP.
2636 S. CLEARBROOK DRIVE 52728
ARLINGTON HEIGHTS, ILLINOIS 60005

Photocopy of Blueprints

ISSUE

REDRAWN TO SHOW
FEATURES DISCUSSED
AND AGREED WITH
ARCHITECT
11-17-49 PM

2

EXISTING OUTSIDE DERESSED
DOCK TO REMAIN

UNPAVED RAIL

TRUCK DRIVE

INNER DOCK TO BE FILLED
IN TO FLOOR LEVEL

37'-10"

CONFERENCE RM.
12'-6" X 22'-0"

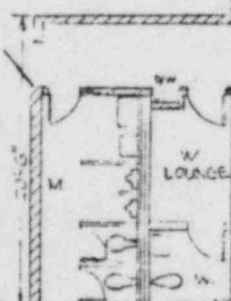
OFFICE
12'-6" X 15'-0"

CLICK DUCT
7'-6" X 8'-0"



=== ELECTRICAL & TELEPHONE
DUCT UNDER FLOOR.

10'-1 1/2"



FILE & MAIL

OFFICE
12'-0" X 15'-0"

NEW GLASS WINDOW

PRELIMINARY OFFICE & WAREHOUSE

CLEARBROOK INDUSTRIAL PARK
ARLINGTON HEIGHTS ILLINOIS

DATE:	DRAWN BY: EWS	DRAWING NO.	SHEET NO.
SCALE: 1/8" = 1'	CHECKED BY:		
APPROVED BY:			
AMERICAN TELEPHONE & TELEGRAPH CO. LONG LINES ENGR. DEPT. CENTRAL AREA			SIZE 45

2616 S. Clearbrook Dr. Building

FD 3
WATER COLD WATER SUPPLY
110V DUPLEX OUTLET

110V DUPLEX OUTLET

EXISTING WAREHOUSE

110V DUPLEX OUTLET

110V DUPLEX OUTLET

110V DUPLEX OUTLET

4" CONC. WALK

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