

FCMS:RLB:JMB

JUN 1 1976

Mallinckrodt, Inc.
ATTN: Mr. Donald W. Soldan
Chief, Radiation Safety Officer
Box 10172
Lambert Field
St. Louis, Missouri 63145

Gentlemen:

This concerns your March 16 and March 29, 1976 letters, describing changes to your facilities under Materials License No. 24-04206-01. It appears that substantial changes are taking place or are planned for the future with respect to your use of facilities in Buildings 100, 200, 300, 400 and 500. Your License No. 24-04206-01 is based, in part, on information concerning your facilities in Buildings 100, 200, 300 and 400. In the interest of clarity, and for the purpose of avoiding any misunderstandings during future inspections of your operations, it is requested that you submit a consolidated description of your facilities and operations in each separate facility at this time. If your plans with respect to Building 600 are sufficiently firm at this time, you should include this building as well as the operations to be moved from Buildings 100, 200, and 400 to Building 600 in your overall description. If not, changes in your facility as a result of the completion of Building 600 may be described later at such time as your plans are finalized. In addition to the types of information previously submitted in the descriptions of your facilities, please submit the following:

1. Specification of a reduction factor for each radionuclide released in your plant effluents to unrestricted areas, a description of the manner in which this reduction factor was arrived at, and a description of the treatment given each such radionuclide such as filtering, absorption, adsorption, etc.
2. A description of your filter testing and other effluent treatment quality assurance program which will assure that your effluent treatment systems have the characteristics assigned to them as a basis for your response to Item 1.
3. A description of your filter and other treatment systems monitoring and replacement program including your media change criteria.

OFFICE

SURNAME

DATE

9701210316 970114
PDR FOIA
FLOYD96-343 PDR

Mallinckrodt, Inc.

- 2 -

4. A description of your program for securing radioactive materials including the control of access to your facilities where radioactive materials are used or stored.
5. A description of your air flow patterns within each separate building where radioactive materials are used or stored, the manner in which these patterns are periodically checked, including pressure differential and air velocity criteria, and action to be taken should deviations from specified air flow patterns, pressure differentials, or air flow velocities be detected.
6. A description of your program for continuously monitoring concentrations of radioactive materials in unrestricted areas (environmental monitoring) including the instruments to be used, monitoring locations, and frequency of reading instruments and making determinations.

Sincerely,

Jack M. Bell
Radioisotopes Licensing Branch
Division of Fuel Cycle and
Material Safety

CRESS:MNBB	OFFICE	ECMS:RBB				
MC#509516:gtw						
SURNAME		JMBell:gtw				
5/20/76	DATE	5/24/76				