

UNITED STATES
ATOMIC ENERGY COMMISSION
DIVISION OF COMPLIANCE
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

TELEPHONE
(312) 858-2660

January 11, 1972

Mallinckrodt Chemical Works
Mallinckrodt/Chemical
ATTN: Mr. H. H. Briswell
Director of Operations
Box 10172 Lambert Field
St. Louis, Missouri 63145

Gentlemen:

Thank you for your letter dated January 7, 1972, informing us of the steps you have taken to correct the items of apparent noncompliance which we brought to your attention in our letter dated December 23, 1971. We will examine these matters during our next inspection.

Your cooperation with us is appreciated.

Sincerely yours,

Byron E. Grier
Regional Director

bcc w/ltr dtd 1-7-72:

G. W. Roy, CO (2)
L. Kornblith, CO
R. H. Engelken, CO
CO Files
PDR
NSIC

2. "Contrary to 10 CFR 20.405(a), "Reports of over-exposures and excessive levels and concentration": As of the date of the inspection, a report had not been submitted to the Commission of the exposure of an individual during the period July 2-8, 1971, noted above in Item 1."

A copy of the exposure report to the Director of the Division of Compliance is attached for your information.

3. "Contrary to 10 CFR 20.405 (c), "Reports of over-exposures and excessive levels and concentrations": The exposed individual was not notified in writing of the nature and extent of the exposure referred to in Item 1 above."

A letter has been prepared to inform the individual of the nature and extent of his exposure.

4. "Contrary to 10 CFR 20.401(b), "Records of surveys, radiation monitoring, and disposal": No records were maintained of the surveys or evaluations which were performed to determine the extent of personnel exposures to concentrations of iodine 131 in the Quality Control Department during the period July 29 through August 5, 1971. Your record of the results of air samples taken in this area show concentrations of approximately 12×10^{-9} microcuries/milliliter and 15×10^{-9} microcuries/milliliter iodine 131 during this period. Your records do not show employee occupancy times in this area to support your evaluation that personnel were not exposed in excess of the AEC limit of 9×10^{-9} microcuries/milliliter averaged over 40 hours."

It was noted during the inspection that occupancy times had been penned in where required on air concentration reports but had been omitted in this one instance. Mr. Ashley suggested that such air concentrations should be reported to the Radiological Protection Committee to assure that proper evaluations are documented. We concur and have held a Committee meeting at which this suggestion was proposed and adopted.

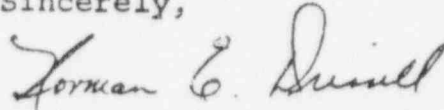
Mr. Boyce H Grier
January 7, 1972
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5. "Contrary to 10 CFR 20.408, "Reports of personnel exposure on termination of employment or work": Numerous persons have terminated employment or work assignment in your facilities and reports of personnel exposure have not been submitted to the individuals nor to the Director of Regulations."

All individuals who terminated employment and who requested their exposure reports were promptly sent their radiation histories. Those individuals who did not request a report did not automatically receive a report from us. Reports to all individuals and a report to the Director of Regulation were sent on December 17, 1971, to correct this situation.

Thank you again for the courtesies extended us by Mr. Ashley and if there is any further clarification needed on any of the above mentioned areas of noncompliance, please let us know.

Sincerely,



Norman E. Drissell
Director of Operations

NED:cm

Attach.

ROUTING SLIP TO DIVISION OF MATERIALS LICENSING

1-17-72

~~C. R. Buchanan~~
~~Materials Branch~~

Brinkman

J. C. Malaro
Materials Branch

D. A. Nussbaumer
Fuel Fabrication & Transportation Branch

R. B. Chitwood
Irradiated Fuel Branch

Attached for your information is a copy of the licensee's reply to the Regional Compliance Office enforcement letter dated 12-22-71, a copy of which was sent you previously.

Licensee:

*Mallinckrodt
St. Louis, Missouri*

License No: *14-42661*

Gen W. Roy

Gen W. Roy, Chief
Materials & Fuel Facilities Branch
Division of Compliance

C/10