

Office Memorandum • UNITED STATES GOVERNMENT

TO : H. L. Price, Director, Division of
Licensing and Regulation, Washington

DATE: FEB 13 1960

FROM : S. R. Sapirie, Manager
Oak Ridge Operations Office

SUBJECT: COMPLIANCE INSPECTION REPORT, MALLINCKRODT CHEMICAL WORKS, ST. LOUIS,
MISSOURI, LICENSE NO. R-226

SYMBOL: MI:WFP

The enclosed compliance inspection report cites items of noncompliance as follows:

✓ 10 CFR 20.101 Exposure of individuals in restricted areas.
(a)(2)(i)(ii) Exposure to radiation. Licensee film badge records indicate that licensee personnel have received exposures in excess of the limits of the above section of the regulations.

*Respirators?
yes. see R19* (b) Exposure to radiation. Licensee records indicate that personnel have received exposures to airborne radioactive material in excess of the limits of this section of the regulations.

10 CFR 20.303 Disposal by release into sanitary sewerage system.
(b)(1), (c), (d) Licensee records indicate that licensed material discharged to the sanitary sewer system has exceeded the limits set forth in this section of the regulations. *See letter of 2/18/60*

✓ 10 CFR 20.403 Notifications and reports of incidents.
(c) Thirty-day reports. The licensee did not report personnel exposures in excess of the limits of 10 CFR 20.101 as required by this section of the regulations.

*Undercut
steps were taken
which corrected the
situation. See P 29, last
2 sentences* 10 CFR 20.105 Measures to be taken after excessive exposures.
The licensee did not follow exact steps to be taken after excessive personnel exposures as required by this section of the regulations.

The above items of noncompliance were discussed with Mr. C. W. Swartout, Manager of Operations, and Mr. J. W. Miller, Head, Industrial Hygiene Department. Messrs. Swartout and Miller indicated that corrective action has been initiated for the above items of noncompliance with 10 CFR 20.101. Licensee personnel exposure

C-11

records substantiate this in that the records reflect a general decrease in personnel exposures to within acceptable limits. Corrective action has not been taken for the item of noncompliance under 10 CFR 20.303. Messrs. Swartout and Miller indicated that several approaches have been considered as possible corrective measures for the item of noncompliance with 20.303. However, none of the corrective measures have been put into effect.

The inspector got the impression that corrective action for the item of noncompliance with 20.303 probably will not be initiated since the licensee expects to discontinue the licensed program about February 1, 1960.

The letter of compliance status from the Division of Licensing and Regulation to the licensee should request confirmation that corrective action has been established for the items of noncompliance with 10 CFR 20.101 and request a statement of proposed corrective action for the item of noncompliance under 10 CFR 20.303. If the licensee states that the process under the license has been discontinued it would appear reasonable to require that the licensee furnish records to DLR showing that concentrations of licensed material in effluents to the sanitary sewer have decreased to levels within the limits established in 10 CFR 20. The licensee should be required to show, in writing, that there now exists a clear understanding of the reporting requirements of 10 CFR 20.403 and of the action to be taken after excessive exposures as required by 10 CFR 20.105.

A follow-up inspection is not planned since the program is expected to be discontinued February 1, 1960.

Jack J. Sutherland
for: S. R. Sapirie

Enclosure:
Compliance Inspection Report for
License No. R-226

CC: M. M. Mann, Assistant Director for Compliance, Division
of Inspection, Washington, w/encl.