



UNITED STATES
ATOMIC ENERGY COMMISSION
DIVISION OF COMPLIANCE
REGION I
970 BROAD STREET
NEWARK, NEW JERSEY 07102

201 645- 3943

July 7, 1969

File

MARTIN MARIETTA CORPORATION
MIDDLE RIVER, MARYLAND
RELEASE FOR PUBLIC USE OF A FACILITY FORMERLY USED FOR NUCLEAR ACTIVITIES
BY MARTIN MARIETTA CORPORATION AND ISOTOPES, INC.

Late in 1968, Isotopes, Inc., (Isotopes) of Westwood, N.J. purchased the nuclear facilities of Martin Marietta Corporation (Martin) at Middle River, Maryland. Isotopes continued to conduct their nuclear activities in the building owned by the former licensee and Martin's licenses were transferred to Isotopes. Isotopes has discontinued their nuclear activities (under license 19-1398-33) in the radiochemistry laboratory ("KJ" Building), and has decontaminated the building. Martin plans to use "KJ" Building for non nuclear activities.

Recent radiological surveys of the "KJ" Building done by Isotopes, (under contract with Martin) indicate that the proposed AEC guides governing abandonment of nuclear facilities have been met. The survey results were transmitted to DML in two letters:

- a. R. G. Macaulay, Martin Marietta, Corp., to Dr. J. A. Mc Bride, DML, letter dated June 11, 1969.
- b. P. J. Knapp, Isotopes, Inc., to R. E. Brinkman, DML, letter dated June 17, 1969.

On June 27, 1969, R. Gilbert of CO:I visited the subject facility to confirm Isotopes' final survey of the "KJ" Building.

Survey instruments used by Gilbert included an Eberline E-120 type GM survey meter, range 0-20 mr/hr., window thickness $< 7. \text{ mg/cm}^2$, and an Eberline PAC-1SA alpha survey meter, 59 cm^2 window area.

The area surveyed is as shown on the drawing of the "KJ" Building which was submitted by Martin and Isotopes in their June, 1969 letters. Direct measurements for fixed alpha, beta, and gamma surface contamination were made at locations 2, 3, 5, 9, 13, 18, 20, 26, 32, 37, 40, 41, 45, 48, 49, 53 and the sink behind location 37. No evidence of fixed contamination above instrument background was noted.

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Smear surveys were made at location 49 and the filter box. No evidence of removable contamination was noted. Smear samples were monitored with the inspector's instruments.

Mr. P. J. Knapp of Isotopes., Inc., accompanied the inspector during the facility survey.

It is the inspector's opinion that the area can be redesignated as an unrestricted area.

The release of this building for non nuclear use does not involve any change in the currently authorized uses described in Isotopes' AEC byproduct license 19-1398-33.



H. W. Crocker
Senior Fuel Facilities Inspector