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DATE January 23, 1946

TO Dr. R. S. Stone

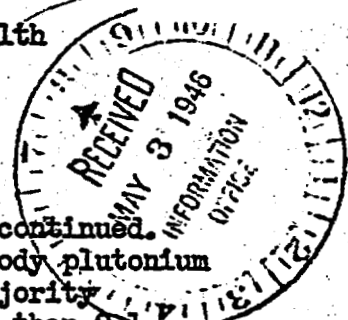
DEPARTMENT Health 700199

FROM Dr. J. J. Mickson

DEPARTMENT Health

(23)  
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IN RE: Abstract of Monthly Report for January, 1946



Routine urine analysis on project personnel is continued. 7.3 per cent of the analyses done indicated a body plutonium content of greater than 0.1 micrograms. The majority of these samples on repeat analysis showed less than 0.1 micrograms. Two humans were injected with approximately 95 micrograms of plutonium each on December 27, 1945. The percentage of the initial dose excreted in the first twenty-four hours was 0.85 and 0.15. This is distinctly lower than the figure of approximately 2.5 percent obtained on the patient studied earlier.

The routine areas on personnel survey for beta and gamma activity did not show any unusual conditions with the exception of the following incident. On January 8th the laundry room in the West Stands became contaminated with acid fumes. Air samples showed 16,000 beta d/m per cubic meter of air. Investigation disclosed that the semi-works exhaust system was leaking activity into a faulty laundry room ventilating system. The situation was corrected promptly but a major job of decontamination was necessary in and adjacent to the ventilating ducts.

*J. J. Mickson*  
J. J. Mickson, M.D.

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CLASSIFICATION CANCELLED

BY AUTHORITY OF THE U.S., A.E.C., C.O.O.

BY *Hayland D. Young*

DIRECTOR OF TECHNICAL INFORMATION  
ARGONNE NATIONAL LABORATORY

DATE 6-16-58  
*J. Krasowski*  
6-17-58

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For Human Radiobiology  
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