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DOCUMENT NO.

HW-68404

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GENERAL ELECTRIC

HARTFORD ATOMIC PRODUCTS OPERATION - RICHLAND, WASHINGTON

DATE

February 6, 1961

TITLE

RADIATION TEST DATA FOR PT-IP-296-D
SWELLING TEST OF NATURAL AND THREE PER CENT
ENRICHED URANIUM. CAPSULES NOS. 4, 5, AND 6.

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IRRADIATION TEST DATA FOR FT-IF-896-D
SWELLING TEST OF NATURAL AND THREE PER CENT ENRICHED URANIUM.
CAPSULES NOS. 4, 5, AND 6.

by

R. K. Marshall

February 6, 1961

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IRRADIATION TEST DATA FOR FT-IP-296-D .
SWELLING TEST OF NATURAL AND THREE PER CENT ENRICHED URANIUM,
CAPSULES NOS. 4, 5, AND 6.

<u>Operating Days</u>	<u>Cap. No.</u>	<u>Test Location</u>	<u>Date Charged</u>	<u>Date Discharged</u>	<u>Thermal neutron exposure of adjacent uranium</u>	
					<u>MWD/AT</u>	<u>NVT x 10¹⁹</u>
203.923	4	3874-KW	8-26-60	10-20-60	2557	68.0
34.995	5	3865-KW	8-21-60	9-29-60	422	11.2
21.494	6	3865-KW	10-20-60	11-11-60	266	7.1

To estimate the thermal neutron exposure of the specimens in the capsule consult Rise Factor Calculations by W. C. Morgan, HW-64568; to estimate the fast neutron exposure of the specimens in the capsule consult An Evaluation Of The Reactor Neutron Spectrum by W. L. Ruch, HW-65330.

R K Marshall

Irradiation Testing

R. K. Marshall/reh

**DATE
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7 / 28 / 94

END