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December 1, 1960

By Authority of *D.S. Lewis*
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LOADING AND OPERATING CONDITIONS FOR
THREE KSE-3 ELEMENTS IN KER-1

Production Test IP-363-A⁽¹⁾ authorized the irradiation of KSE-3 elements in the KER loops. This document provides the loading and operating conditions for a charge of three KSE-3 elements in KER-1.

The loading will consist of one eight-inch perf downstream, thirty eight-inch spacers, one modified eight-inch perf, three eighteen-inch KSE-3 fuel elements, and one modified eight-inch perf upstream. The high outlet temperature trip, boiling point suppression trip, and desired operating outlet temperature are given in Figure 1.

W. K. Kratzer
Process and Reactor Development Subsection
RESEARCH AND ENGINEERING SECTION

WKK:kmm

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RESEARCH AND ENGINEERING SECTION

1) Kratzer, W. K. Production Test IP-363-A, Irradiation of Zr-2 Jacketed Enriched Single Tube Fuel Elements in the KER Loops, HW-67168. October 19, 1960.

FIGURE I

Operating Temperature and Trip Settings
for a Centered Charge of 3 KSE-3
Elements in KER-1

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