CENTRAL FILES NUMBER
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Classification Cancelled

April 1, 1947

K. Z. Morgan [redacted] Health Physics

M. A. Buford

By Authority Of

By _____ Date AUG 24 1971

Health Physics

Liquid Waste Disposal - March, 1947.

Water Sampling:

Routine water surveys were made during the month on alternate days at White Oak Dam and the Settling Basin. Gamma activity was measured with a thin-walled GM tube in a 1# brass container, immersed in the sample. The average readings were .296 mr/hr small container (S. Basin) and .395 mr/hr for large container (S. Basin); .025 mr/hr small container (Dam) and .018 mr/hr large container (Dam). The attached graph (Figure 1) shows the counts for the month for both the Dam and the Settling Basin.

Discharges from the Settling Basin continued higher than usual this month, averaging 280.2 β c/min/ml. On March 18, [illegible] opened the jet from W-6 to the Settling Basin, which accounts for the high readings. Discharge level reached its peaks from 3/18/47 - 3/19/47 (average = 355 β c/min/ml) and 3/21/47 - 3/25/47 (average = 327 β c/min/ml). The attached graph (Figure 2) shows approximate curies discharged from S. Basin. The graph is not complete for the month since the data are not available.

Mud Sampling:

No mud samples have been taken this month due to the lack of laboratory facilities. However, plans have been made to set up a mud lab in Room 105, Building 105.

CLASSIFICATION CANCELLED

J. S. Morgan 1-13-95

ADD signature Date

Single rereview of CCRP-declassified documents was authorized by DOE Office of Declassification memo of August 22, 1994.

MAB:ejp

[redacted]

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This document has been approved for release to the public by:

David R Hamrin 5/14/95

Technical Information Officer Date
ORNL Site

ChemRisk Document No. 1612

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MR/hrs

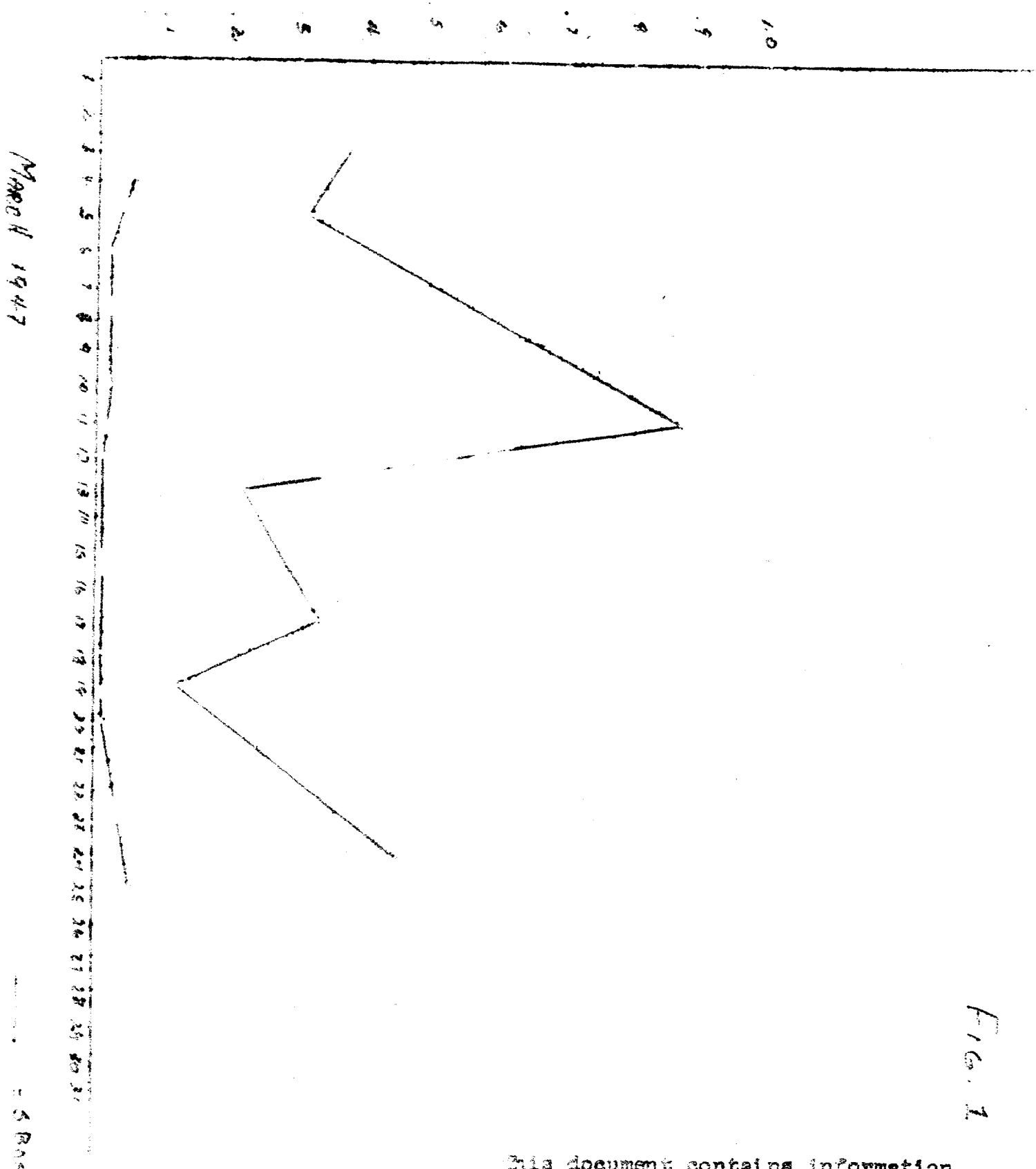

FIG. 1

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APPROXIMATE CURIES DISCHARGED FROM SETTLING BASIN

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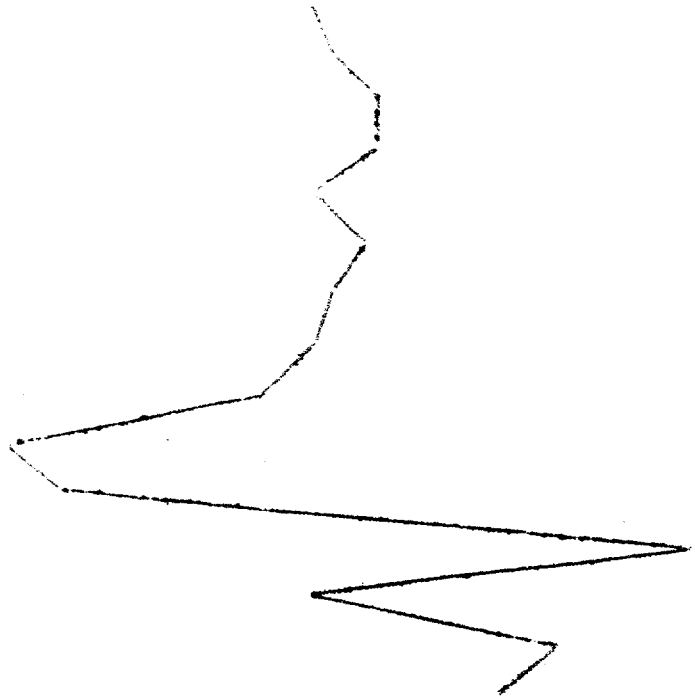

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