

UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

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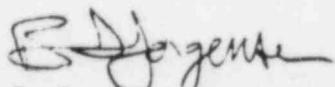
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ANALYSIS OF WEST CHICAGO SOIL SAMPLES FOR SR-90

On August 30, 1976, I received a telephone call from Don Martin of the Health Services Laboratory. Don informed me that our requested analyses of West Chicago soil samples for Sr-90 had been completed. Some delay in completion of these analyses was experienced due to the additional complexity introduced by the need to separate relatively large concentrations of thorium and radium products before proceeding with strontium chemistry. The results are as follows:

<u>Sample #</u>	<u>Designation</u>	<u>Sr-90 Activity (uCi/gm)</u>
S-1	K-M Sludge Pit	- 4 \pm 3 E-07
S-4	Reed-Keppler Park Sample #1	6 \pm 4 E-07

Thus, no strontium 90 activity above background was detected in either of the most active (Th-232 activity) Kerr-McGee site and Reed-Keppler Park samples.


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