



Oak Ridge  
Associated Universities Post Office Box 117  
Oak Ridge, Tennessee 37831-0117

December 20, 1989

Mr. Jerry Roth  
Nuclear Regulatory Commission  
Region I  
475 Allendale Road  
King of Prussia, PA 19406

Subject: GAMMA ANALYSIS OF UNC SAMPLES

Dear Mr. Roth:

The two soil samples from the United Nuclear Corporation site in Wood River Junction, RI have been analyzed, with the following results:

Lagoon Area - Grid Block B-138

Cs-137	$7.2 \pm 0.1$ pCi/g
U-235	$<0.1$ pCi/g
U-238	$1.8 \pm 0.2$ pCi/g

Outfall - 2 meters from end

Cs-137	$0.2 \pm 0.1$ pCi/g
U-235	$0.4 \pm 0.1$ pCi/g
U-238	$1.3 \pm 0.1$ pCi/g

Based on the low U-235 and U-238 concentrations, I would not consider it necessary to perform isotopic uranium analyses.

If you have any questions, please contact me at FTS 626-3305.

Sincerely,

James D. Berger, Director  
Environmental Survey and  
Site Assessment Program

JDB:jws

cc: ~~M. H. [redacted]~~  
L. Rouse, NRC/6H3  
G. La Roche, NRC/6H3  
D. Tiktinsky, NRC/6A4

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