



## United States Department of the Interior

GEOLOGICAL SURVEY

PDR

Champaign County Bank Plaza  
4th Floor  
102 East Main Street  
Urbana, IL 61801  
October 25, 12982

Return to WML 623-55

Mr. David L. Siefken  
U.S. Nuclear Regulatory Comm.  
Mail Stop #697-SS  
Washington, D.C. 20555

WM Record File	27-39
WM Dir.	
WM Dep. Dir.	
WMPI	WMLL 045, JS
WMHT	WMHL
WMUR	Others

Dear Mr. Siefken:

Following are the results of tritium in water analyses of grass samples that we have taken at the Sheffield site this year:

Type and Location	Date	Tritium in Water Conc. (nCi/L)
Grass Tr2	8-12-82	1.3 + .4
Grass Tr2	8-26-82	4.4 + .4
Alfalfa Tr5	7-23-82	89.0 + 1.5
Grass Tr3	6-30-82	2.2 + .4
Clover Tr2	7-23-82	<.4
Leaves - tree by trailer	7-21-82	<.4
Grass Tr1	6-30-82	4.2 + .4
Grass Tr2	6-30-82	16 + .4
<sup>1</sup> Brome Grass Tr5,6	7-23-82	31.9
<sup>1</sup> Clover Tr 5,6	7-23-82	35.8
<sup>1</sup> Clover Tr2	7-23-82	<.2
<sup>1</sup> Alfalfa Tr5,6	7-23-82	6.3

<sup>1</sup>Analysis performed by Argonne National Laboratory

FOR THE DISTRICT CHIEF

Sincerely yours,

Richard W. Healy  
Hydrologist

RWH:mv