

TABLE 4

\* RESULTS OF ANALYSES OF WATER SAMPLES FROM THE BFN GREENHOUSE  
Activity<sup>a</sup> (pCi/l)

Date Collected	<sup>89</sup> Sr	<sup>90</sup> Sr	<sup>40</sup> K	<sup>214</sup> Bi	<sup>214</sup> Pb
4/16/79	-0.4±1.2 <sup>b</sup>	0.9±0.6			
4/23/79	1.2±1.1	0.2±0.4	292.6±24.3		
4/30/79	0.4±1.1	0.8±0.4			
5/7/79	0.1±0.9	0.9±0.4			
5/14/79	-0.8±0.8 <sup>b</sup>	1.1±0.4	88.1±17.3	7.9±2.2	
5/21/79	1.7±0.9	0.1±0.5	43.9±20.0	10.0±2.6	10.6±3.0
6/4/79	0.7±0.6	0.4±0.4	88.7±16.0	6.9±3.6	6.0±2.7
6/11/79	1.0±0.6	-0.2±0.4 <sup>b</sup>	91.1±18.2		
6/18/79	-0.1±0.6 <sup>b</sup>	0.7±0.4			
6/25/79	0.4±0.5	0.2±0.4		12.9±2.1	6.5±2.7
7/2/79	1.1±0.7	0.1±0.5	63.3±20.8		
7/30/79	0.4±0.7	0.3±0.4		19.7±4.7	
8/6/79	0.7±0.6	0.1±0.4		10.0±2.0	

- a. The error reported for gamma-emitting radionuclides is the 1-sigma error calculated by the gamma spectral analysis software, while the error reported for strontium analyses is the 1-sigma counting error.
- b. Negative value is an artifact of counting statistics and does not infer a negative activity.

\* Water for the overwintering facility comes from the same source. The tie-in at the power plant is upstream of any rad-injection site. Data for the period 9-79 to 6-80 will be sent (if necessary) when we receive it from TUA's Rad Hygiene Branch. Enclosed is an article on TUA's Research and Development Program related to the culture of Tilapia