



## DEPARTMENT OF HEALTH &amp; HUMAN SERVICES

Public Health Service

National Institutes of Health  
Rocky Mountain Laboratories  
Hamilton, Montana 59840

July 29, 1985 '85 AUG -5 A9:56

Material Licensing Branch  
Division of Fuel Cycle and Material Safety  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Gentlemen:

A radiation survey was made July 26, 1985, on our Shepard Mark I Model 30 (S.N. 1028) gamma irradiator with a Panoramic Victoreen Survey Meter model 470A (S.N. 2193). Activity was measured at the surface of each of the stations noted on the accompanying diagram with the source in both the shielded and irradiation modes. The results are summarized below.

Position	mR/hr	
	Shielded	Irradiation
1	0.7	0.1
2	0.8	0
3	0	0.1
4	0	0.8
5	0	0
6	0	0.4
7	0	0.6
8	0	0.2
Back of chamber (opposite 6)	0	1.1

I hope these data are satisfactory, but if there is some problem, I would be happy to answer any questions you might have.

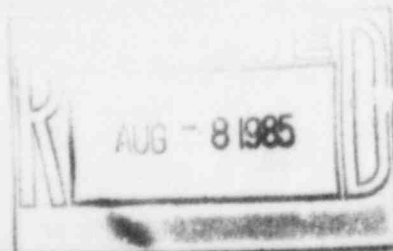
Sincerely yours,

*Robert L. Anacker*Robert L. Anacker, Ph.D.  
Radiation Safety Officer

Enclosure

RLA:ss

cc: U.S. Nuclear Regulatory Commission, Region IV, 611 Ryan Plaza Drive,  
Suite 1000, Arlington, TX 76012

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Sketch of front of Shepherd Mark I Irradiator  
Model 30

