

NOTE TO: Document Control  
Room 016

FROM: Robert E. Alexander  
Occupational Health Standards Branch

Please place the attached document in the PDR using the following file and file points:

PDR File  
(Select One)

Proposed Rule (PR) \_\_\_\_\_  
Reg. Guide \_\_\_\_\_  
Draft Reg. Guide \_\_\_\_\_  
Petition (PRM) \_\_\_\_\_  
Effective Rule (RM) \_\_\_\_\_

Related Documents  
(Enter if appropriate)

ACRS Minutes No. \_\_\_\_\_  
Proposed Rule (PR) \_\_\_\_\_  
Draft Reg. Guide \_\_\_\_\_  
Reg. Guide \_\_\_\_\_  
Petition (PRM) \_\_\_\_\_  
Effective Rule (RM) \_\_\_\_\_  
Federal Register Notice \_\_\_\_\_  
SD Task No. \_\_\_\_\_  
NUREG Report \_\_\_\_\_  
Contract No. \_\_\_\_\_

Subject: Univ. of Michigan -  
Error in Category VIII,  
Interval 2

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# INSTITUTE OF ENVIRONMENTAL AND INDUSTRIAL HEALTH

THE UNIVERSITY OF MICHIGAN  
SCHOOL OF PUBLIC HEALTH  
ANN ARBOR, MICHIGAN 48109

MORTON S. HILBERT, B.S.C.E., M.P.H.  
Director

I. A. BERNSTEIN, Ph.D.  
Associate Director  
for Research

## MEMORANDUM

TO: Processors 38, 40, 48, 49, 50, and 51  
FROM: Phillip Plato  
DATE: August 7, 1979  
RE: Error in Category VIII, Interval 2

Processor 49 challenged one of the dosimeters we irradiated in the interval shown above. The dosimeter in question was irradiated to gamma radiation at 3:35 PM on 3-12-79 and neutron radiation at 4:42 PM on 3-27-79. The table below shows the total deep dose equivalents reported and delivered to all dosimeters irradiated simultaneously with the dosimeter in question.

Processor	Dosimeters irradiated at the same time as dosimeter #220 supplied by Processor 49		Total Dose Equivalent (mrem)	
	Gamma	Neutron	Delivered	Reported
16	#2074		336	270
36	# 507		336	330
38		# 10	345	2756
40		# 218	339	3250
48		#5847	339	3531
49	# 220	# 220	335	3006
50	# 725	# 561	not yet reported	
51		# 14	345	1676
52	# 10		334	470

Obviously, we did not deliver the correct neutron dose, although the gamma dose appears to be correct. Therefore, we have voided the six dosimeters shown in the table that were irradiated together.

We regret our error, but are pleased with our system of irradiating six dosimeters at a time from six different processors.

*Phillip Plato*

Phillip Plato

PP/mf  
cc: Robert Alexander

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