



UNIVERSITY OF MISSOURI

Research Reactor Facility

Research Park
Columbia, Missouri 65211
Telephone (314) 882-4211

September 16, 1981

James R. Miller
Chief
Standardization and Special
Projects Branch
Division of Licensing
Office of Nuclear Reactor Regulation
7920 Norfolk Avenue
Bethesda, MD 20014



Dear Mr. Miller:

SUBJECT: UNIVERSITY OF MISSOURI EMERGENCY REQUEST DATED 9-15-81 FOR A
TEMPORARY CHANGE TO LICENSE R-103

This letter provides additional information requested on
16 September 1981 by Hal Bernard to permit NRC review of the subject re-
quest. The purpose of the emergency request is to allow the University
of Missouri to continue providing n - γ produced Technetium-99m to the
U.S. medical community during a maintenance shutdown of the MURR.

Target materials will be handled by normal procedures except that
the ORR will be used for activation. The target materials will be
sealed in aluminum cans and sent to the Department of Energy ORR reactor
located at Oak Ridge National Laboratory for neutron irradiation.
Following irradiation, the target capsules will be returned to the Uni-
versity of Missouri Research Reactor Facility. The reactor will be placed in a
secured condition, reactor containment will be broken, and the shipping
cask transferred to the reactor pool via the containment building truck
entry door. (See enclosed drawing.) The irradiation capsules will be
unloaded in the reactor pool using our normal sample handling equipment.

Sincerely,

Don M. Alger

Don M. Alger
Acting Director

cc: Mr. H. Bernard

Enclosure



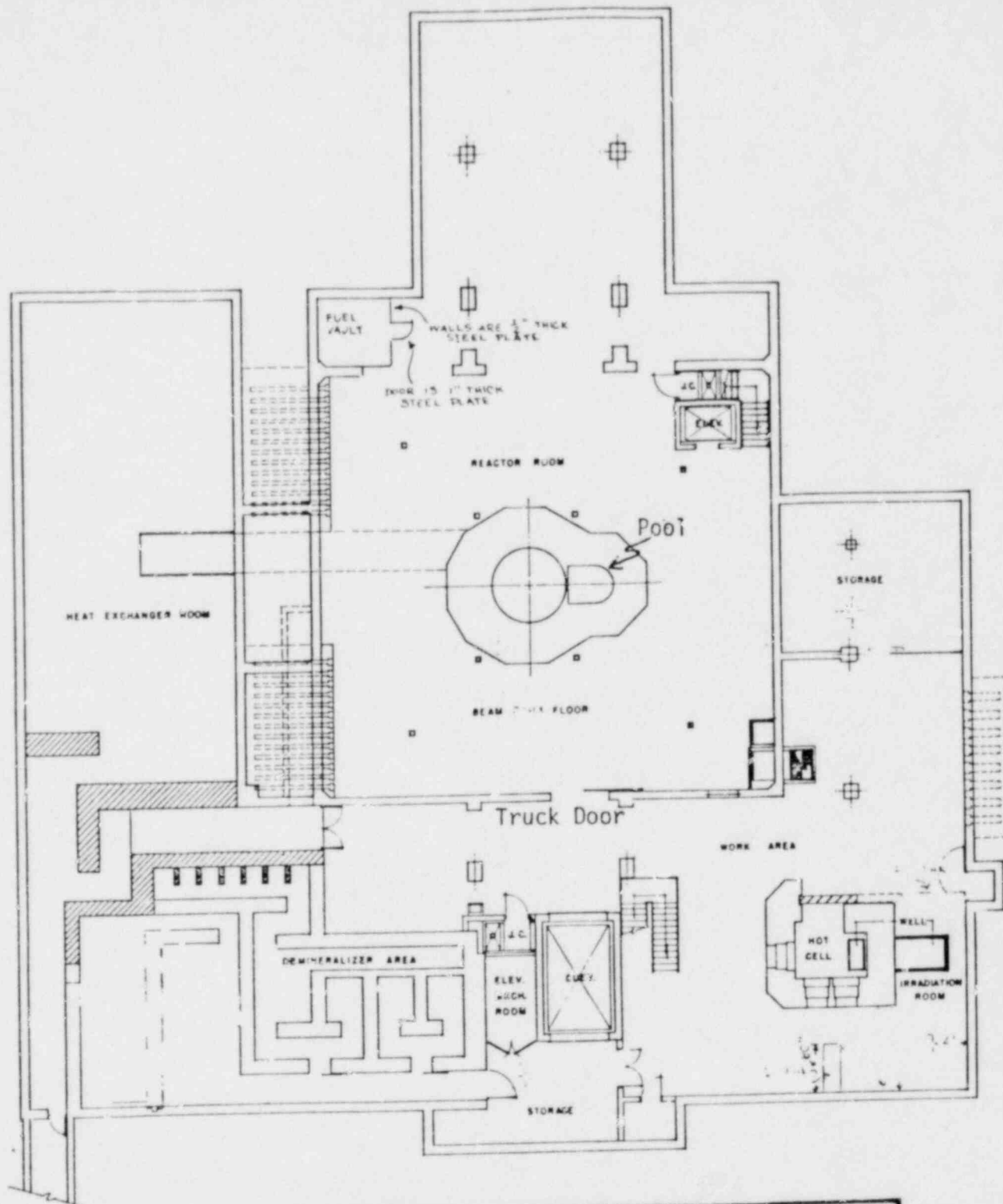
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REVISIONS		TITLE	
1	Vickie Sudgrass 5-26-72	BEAMPORT FLOOR PLAN	
ADDITION OF FUEL VAULT			
2	Vickie Sudgrass 7-26-72		
GENERAL REVISIONS		RESEARCH REACTOR FACILITY	
		UNIVERSITY OF MISSOURI	
DRAWN BY Vickie Sudgrass		APPROVED	
SHEET NO. 1 OF 1		DWG. NO. 1552	