

*Doc # 70-82*

NUCLEAR METALS TWX NO. 710-347-1056

A. R. GILMAN  
NUCLEAR METALS  
CONCORD, MASS.

Based on your plan of February 19, 1974 for transfer of the enriched uranium liquid-sludge to approved containers, and the telephone discussion between Mr. Gilman, Mr. Clark, Mr. Bidinger and Mr. Crocker on February 21, 1974, it is our understanding that the following actions will be taken by Nuclear Metals, Inc.:

a. Liquid shall be removed from all five pails in the manner proposed by Nuclear Metals Inc. incorporating the following modifications:

*a minimum of* (1) The can nearest the point of personnel entry will be carefully moved 12 feet from the remaining containers and emptied as follows:

(a) Liquid will be removed by use of rigid vacuum probe inserted manually just below surface of liquid; liquid to be transferred to 2-liter size containers.

(b) Any remaining sludge layer is to be carefully ladled into two liter bottles with minimum disturbance of the sludge layer.

(c) The two liter containers are to be stored on 22 inch centers; physical barriers are to be used to ensure spacing.

(2) Remaining pails are to be emptied in the same manner. The pail containing the high uranium concentration to be emptied last, *but with no movement of sludge.*

(3) Only one person will approach the pails. Any assisting personnel will remain at least 12 feet from the pails.

(4) Region I personnel will be notified prior to commencing the transfer activities to allow a Region I representative to witness the transfer activities.

(5) The use of the cadmium sheet ~~will~~ <sup>need</sup> not be employed.

*msg fwd  
2:45 via teletype  
Nuclear Metals (Western Union)  
advised as to  
incoming msg.  
J. Carson  
2/21/74  
2:45 P.M.*

James P. O'Reilly, Director  
Directorate of Regulatory Operations, AEC  
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