

United States Engineer Office  
Nashville, Tennessee  
Columbia, Tennessee

R AT 22

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✓ W. W. ... 728665

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BY J. ... DATE 4/25/94

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8006256

*[Handwritten mark]*

14 December 1944

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
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REVIEWER (ADD):	1. CLASSIFICATION RETAINED
NAME: <i>[Signature]</i>	2. CLASSIFICATION CHANGED TO:
DATE: <i>8/21/96</i>	3. CONTAINS A C O O R CLASSIFIED INFO
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Colonel Stafford L. Warren  
 P. O. Box 1  
 Oak Ridge, Tennessee

Dear Colonel Warren:

In one of our laboratories where it is planned to use considerable quantities of hydrogen chloride which will be piped from a large tank to a number of closed vacuum furnaces. The tank of H.F. will be so thoroughly enclosed as to provide for the tank will be outside the room and the vacuum furnace will be adequately exhausted, but there is always a possibility of a leak in the copper tubing or of some other accident. It would be well to have ready to hand adequate safety equipment and the room in which the persons to enter the room in case someone should be injured, etc. Can you please let us know whether your office considers the following equipment to be adequate:

1. Positive pressure mask.
2. Heavy coveralls to be worn over a plastic raincoat and shoes. These coveralls will have elastic at the sleeves and around the ankles.
3. Heavy boots to be worn over shoes.
  - . Rubber gauntlets.
5. Fog type Fire Extinguisher.

The two items which we are not certain about are whether the heavy coveralls are adequate as Captain Muevan believes, and whether the Fog type Extinguisher is necessary.

Things have been going along fairly satisfactory which we had accidents except for a number of relatively minor injuries due to blasting caps exploding in the hands of members of the Cadence Group. Of the four injuries of this type which have occurred since the project started, three happened during the past week. The Safety Committee has appointed a sub-committee to investigate this and to draw further rules and practices for safe handling of explosives. Last evening there were a number of cases of carbon monoxide poisoning in a group of G.I.'s who were returning from a basketball game from a nearby city. All of them seem to get along alright last evening but I have not heard how they are doing this morning. I imagine everything is under control.

As far as the laboratory work is concerned, unfortunately our single animal injected with chloride complex shows a large amount of product in the liver, possibly as much as 1/4 of the injected amount.

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This document contains information the national security of which is important to the national defense.

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