

Research Department - Mound Laboratory  
March 28, 1966  
Request for Disposal of Tritiated Water

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MOUND LABORATORY-MONSANTO  
CENTRAL FILE NO. 66-4-10

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M. N. Wolfe

Three(3) condensate collection tanks were removed from two(2) different dry box lines in SW-142 and one(1) from SW-13. The tanks were emptied into polyethylene containers and the tanks replaced on the respective systems. The tanks were removed, emptied and replaced in fear that the tanks may overflow and because no replacement tanks were available.

The solutions, containing rust, light and heavy density solids and liquids, were combined and analyzed for tritium. It was determined that 2.73 gm T<sub>2</sub>\* were in the 16.6 l of solution. This is equal to <0.02 wt.% T<sub>2</sub> or <0.05 M % T/H+T. Considering the radiation hazards involved, the impurities present and the low concentration as far as being able to economically recover the T<sub>2</sub>, it was decided to pour the tritiated contaminated water into a trash container filled with an adsorbant and make arrangements for its' disposal as a non-recoverable material.

\* 2.71 as of 3/1/66.

ORIGINAL SIGNED BY:

Ronald L. Goss

RLG/ra

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1ST REVIEW DATE: <u>11/9/00</u>	DETERMINATION (CIRCLE NUMBER(S))
AUTHORITY: <input type="checkbox"/> AOC <input checked="" type="checkbox"/> ADC <input type="checkbox"/> ADD	1. CLASSIFICATION RETAINED
NAME: <u>Robert...</u>	2. CLASSIFICATION CHANGED TO: _____
2ND REVIEW DATE: <u>11/28/2000</u>	3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: <u>...</u>	4. COORDINATE WITH: _____
NAME: <u>Bob Patay</u>	5. CLASSIFICATION CANCELLED
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