

Volatile Tritiated Material Questionnaire

Complete this form and attach it to your application form if you have requested ^3H -labeled gas, water, borohydride or other volatile compound in an amount greater than either 30 mCi per shipment or 100 mCi per year.

1. Indicate the form of tritiated material:

HT gas

Na/K-borohydride

Water

Other; specify _____

2. Operations involving volatile tritiated materials must be conducted in a fume hood or glove box. Specify the location of the device you will use:

Fume Hood; location (room & building) _____

Glove Box; location (room & building) _____

3. Briefly describe the experimental procedure:

4. Provide details of any plans you have to trap, contain and transfer the residual activity to Radiation Safety for disposal:

5. Specify the following:

(a) The **maximum tritium activity** that will be used in a single experiment or operation _____ mCi.

(b) Your estimate of the **maximum activity that will be released as a gas** to the atmosphere (via the fume hood/glove box) per experiment or operation _____ mCi.
What is your confidence of the estimate? Excellent Fair Poor

(c) The **number of experiments of this type** that you plan to conduct in a year _____.

Applicant Signature _____ **Date** _____