RS	Use (	Only,	RS-ID	Number:	

Supervisor			Building	
Radionuclide	Н-3	C-14	Room Number	
<b>Counting media</b>			Carcinogen	
trade name			(Yes or No)	

Cal	Calculation to verify waste as de minimis waste				
A.	From your bulk waste container, withdraw a 1 ml				
	sample and determine the cpm; enter the result	cpm/ml			
В.	Enter your counter efficiency				
C.	Divide the cpm from line A by counter efficiency				
	to convert to disintegrations per minute (dpm).	dpm/ml			
D.	to convert to disintegrations per minute (dpm). Divide the results from line C by $2.22 \times 10^6$	dpm/ml			
D.		dpm/ml μCi/ml			
	Divide the results from line C by $2.22 \times 10^6$				

If you entered "no" on line E then stop. Your waste is not de minimis and must be disposed of as "hot" waste.

F.	If your answer on line E is "yes," enter an estimate of the total activity for this waste container	
		μCi
G.	Any other known hazards or pathogen other than radioactivity? (enter yes or no)	
Н.	If line G was "yes," list these hazards	

## Overview

The RS–17 is a single-page form to be used for the verification of de Minimis status for Bulk Liquid Scintillation (LS) Cocktail containing <sup>3</sup>H and <sup>14</sup>C only. The form is to be complete and the original(s) attached to the outside of each container. One form must be completed for each container. If you have a container with both 3H and 14C, list both in the space marked "Radionuclide", separating them with a comma. Continue through the calculations for each nuclide following the same convention. No parts of these instructions apply for decay-in-storage bulk LS containers.

## **Completing the Form**

In the first part of the form, simply complete as appropriate. For "Counting media trade name," fill-in the trade name of the cocktail you are using, e.g. "Scintiverse." If you are using "standard" chemicals, e.g. "Toluene," then the trade name is not necessary, simply write-in the chemical you are using.

Complete the bottom section of the form, if the answer to "E" is "No," then you must dispose of the waste as "hot bulk liquid;" and the waste will be billable. Otherwise there is no charge for the disposal of de minimis waste.

• After completion of the form and if the answer to "E" is "Yes," schedule the waste for pickup using the HP Assistant web-based record keeping system.

Waste pick-ups are scheduled one week, in advance.