

**UCSF OEH&S - RADIATION SAFETY PROGRAM**

**RADIOACTIVE WASTE DISPOSAL FORM**

P.I. \_\_\_\_\_ RUA # \_\_\_\_\_

Date \_\_\_\_\_ Building/Room# \_\_\_\_\_

WASTE TYPE	Isotope:		Isotope:		Isotope:	
	VOLUME	ACTIVITY (mCi) <sup>7</sup>	VOLUME	ACTIVITY (mCi) <sup>7</sup>	VOLUME	ACTIVITY (mCi) <sup>7</sup>
Dry P-32 only		ft <sup>3</sup>		ft <sup>3</sup>		ft <sup>3</sup>
Dry < 90 days <sup>8</sup>		ft <sup>3</sup>		ft <sup>3</sup>		ft <sup>3</sup>
Dry > 90 days <sup>9</sup>		ft <sup>3</sup>		ft <sup>3</sup>		ft <sup>3</sup>
Aqueous P-32 only <sup>1</sup>		gallons <sup>11</sup>		gallons <sup>11</sup>		gallons <sup>11</sup>
Aqueous < 90 days <sup>1</sup>		gallons <sup>11</sup>		gallons <sup>11</sup>		gallons <sup>11</sup>
Aqueous > 90 days		gallons <sup>11</sup>		gallons <sup>11</sup>		gallons <sup>11</sup>
Source Vials P-32 only		each		each		each
Source Vials < 90 days		each		each		each
Source Vials > 90 days		each		each		each
LSC Vials "Deminimus" <sup>2</sup>		trays <sup>10</sup>		trays <sup>10</sup>		trays <sup>10</sup>
LSC Vials "non-Deminimus"		trays <sup>10</sup>		trays <sup>10</sup>		trays <sup>10</sup>
Liquid Bulk Organic <sup>4</sup>		gallons <sup>11</sup>		gallons <sup>11</sup>		gallons <sup>11</sup>
Biological "Deminimus" <sup>3,5</sup>		ft <sup>2</sup>		ft <sup>2</sup>		ft <sup>2</sup>
Biological < 90 days		ft <sup>3</sup>		ft <sup>3</sup>		ft <sup>3</sup>
Biological > 90 days		ft <sup>3</sup>		ft <sup>3</sup>		ft <sup>3</sup>
Nuclear Medicine Waste		ft <sup>3</sup>		ft <sup>3</sup>		ft <sup>3</sup>
Beta Plates		plates		plates		plates
Bactec Vials		each		each		each
Other <sup>6</sup> : (description) _____						
Other (from above)						

**HELP REDUCE THE COST OF DISPOSAL BY FURTHER SEPARATING WASTE BY NUCLIDE/ISOTOPE.**

**WASTE CERTIFICATION**

I certify that the radioactive waste listed above is accurately described in terms of radioisotope(s), physical form(s), and chemical form(s). I further certify, unless otherwise noted on this document, that this radioactive waste does not contain any other types of hazardous materials and complies with applicable UCSF policies. I understand that if I am uncertain as to these policies or what constitutes "hazardous materials," I may obtain detailed information through the Radiation Safety Office.

PRINT NAME / SIGN

\_\_\_\_\_  
 Lab Representative / Date  
 White Copy - EH&S

\_\_\_\_\_  
 OEH&S Representative / Date  
 Yellow Copy - Laboratory

(discard previous versions)

Eform-R001  
 revised 05/05

Notes:

1. Do not re-use containers previously containing Tritium (H-3).
2. Liquid Scintillation Counting (LSC) Vials "Deminimus" waste containing only 14C and/or 3H with total activity concentration not exceeding 0.05 uCi/ml (1.85 KBq per ml) may be classified deminimus.

Example: 100 LSC vials. 10 ml of fluor per vial, totaling 1000 ml of fluor. The 1000 ml of fluor cannot contain more than 50 uCi (1,850 KBq) total of 14C and/or 3H activity to be classified as "deminimus."

3. Biological "Deminimus" (Animal Carcass Deminimus) waste containing only 14C and/or 3H with a total activity concentration not exceeding 0.05 uCi/gram (1.85 KBq/gram) of animal carcass, or carcass part, averaged over the weight of the entire carcass, or carcass part, may be classified "deminimus".

Examples: A 28 gram mouse cannot contain more than 1.4 uCi (51.8 KBq) of 14C and/or 3H to be considered "deminimus." A 1-gram mouse brain cannot contain more than 0.05 uCi (1.85 KBq) of 14C and/or 3H.

4. You MUST also complete the OEH&S Hazardous Waste (Chemical Waste) form and tag. Bulk Organic Liquid items without a Hazardous Waste tag will not be picked up.
5. Contact your DSA prior to disposal of animal carcass.
6. Please specify the waste type.

Example: Uranyl Acetate, Uranyl Nitrate, Lead Pigs, Sealed Sources, etc.

- a. Non-compactable waste (rotors, microfuges etc) should be arranged with Radioactive
7. Conversion: 1 millicurie (mCi) = 1000 uCi (uCi)
  8. 90<days examples P-33, S-35, I-125, Cr-51
  9. 90>days examples H-3, C-14, Ca-45, Na-22
  10. Tray- 100 20-22ml vials or 250 7ml vials
  11. Liters to gallons:

<u>ml</u>	<u>Gallon</u>
3750	1
2800	0.75
2500	0.66
1900	0.50
1250	0.33
950	0.25