

Mixed Waste Schedule of Charges – FY2012

Mixed waste management labor, treatment, and disposal are charged on a time and materials basis. The following estimates are based on historical level of effort and current vendor pricing. For each container of mixed waste, the generator will be charged the Base Rate plus one additional charge depending on the container contents.

Base Rate		<u>Labor¹</u>
	Waste acceptance and transfer to HWHF (per item charge) ²	\$248
Additional Charges		<u>Labor¹</u>
	<u>Mixed Waste Qualifying for On-site Treatment</u>	
	I. Decayable ³ mixed waste	\$135
	II. Mixed waste neutralized on-site ⁴	\$322
	<u>Mixed Waste Requiring Off-site Treatment and Disposal</u>	<u>Direct Cost Per Container⁵</u>
	I. Mixed waste scintillation vials	
	<u>Outer Container</u>	<u>% Full⁶</u>
	12.2 gallon	≤ 25%
	12.2 gallon	25% < and ≤ 50%
	12.2 gallon	50% < and ≤ 100%
		<u>vials w/solvents or acids</u>
		\$ 700
		\$1,400
		\$2,800
	II. Flammable liquids ⁷	\$53/liter
	III. Reactive mixed wastes ⁸	\$252/liter
	IV. Aqueous mixed waste containing metals ⁹	\$109/liter
	V. Lead	\$122/ft ³

¹ Labor includes Payroll Burden of 54%. Other burdens may apply.

² Review of radioactive waste tag and supporting documentation; assignment of applicable numbers/codes; data entry; transfer to the Hazardous Waste Handling Facility (HWHF); and storage of waste. Note: In accordance with PUB-3092, *Guidelines for Generators to Meet HWHF Acceptance Requirements for Hazardous, Radioactive and Mixed Wastes at Berkeley Lab*, waste insufficiently characterized to meet the HWHF waste acceptance criteria will be analyzed at the expense of the waste generator.

³ Waste containing isotopes with half-lives < 90 days. Sampling of decayable mixed waste; validation of analytical data; update of associated documentation; and transfer of item to hazardous waste storage.

⁴ Per requirements of LBNL's Site Treatment Plan: pre-planning and set-up; neutralization of waste; documentation; and transfer of item to low-level waste storage. Rate assumes only one container of waste will be neutralized. If multiple items are treated in the same campaign, the per container cost may be less. Labor estimate does not include consolidation of mixed waste scintillation vials prior to treatment. Highly concentrated wastes may require more effort to neutralize.

⁵ Based on vendor pricing for 10/1/10 to 9/30/11. Rates are subject to change.

⁶ Waste Management staff will determine percent full upon receipt at the HWHF.

⁷ Vendor charge is \$2,558 per outer shipping container, regardless of the number of individual inner waste containers. Rate is established as follows for a typical 30 gallon shipping container, assuming a 40% packing efficiency:

\$2,558 per 12 gallons of waste x 1 gallon /4 liters = \$53/liter. Smaller or larger containers will be prorated.

Surcharge: \$1,500 for each item with tritium levels between 10mCi - 100mCi. Waste containing tritium levels greater than 100mCi will be priced upon request.

⁸ Vendor charge is \$12,112 per outer shipping container, regardless of the number of individual inner waste containers. Rate is established as follows for a typical 30 gallon shipping container assuming a 40% packing efficiency:

\$12,112 per 12 gallons x 1 gallon/4 liters = \$252/liter. Smaller or larger containers will be prorated.

⁹ Vendor minimum charge is \$5,250 per 30 gallon shipping container regardless of the number of individual inner waste containers. Rate was established as follows for a typical 30 gallon shipping container assuming a 40% packing efficiency:

\$5,250 per 12 gallon x 1gallon/4 liters = \$109/liter. Smaller or larger containers will be prorated.