

TABLE B.1.3–1.—Lawrence Livermore National Laboratory Active Waste Management Facilities and Capacity

Facility	Unit Type	Waste Type	RCRA, HWCL Wastes – Permit Capacity Totals
Area 612 Facility			
Building 625 CSU	S	H, M, R, TSCA, CT	42,416 gal
Area 612 Tank Trailer Storage Unit	S	CT, H, M, R	5,000 gal
Area 612 Portable Tank Storage Unit	S	CT, H, M, R	10,000 gal
Area 612-1 CSU	S	CT, H, M, R	38,400 ft ³
Area 612-2 CSU	S	CT, H, M, R	10,560 gal
Area 612-5 CSU	S	CT, H, M, R	26,900 ft ³
Building 612 Size Reduction Unit	T	CT, H, M, R	250 short tons/yr
Building 612 Drum/Container Crushing Unit	T	CT, H, M, R	600 short tons/yr
Building 612 CSU	S	CT, H, M, R	7,150 gal
Building 614 West Cells CSU	S	CT, H, M, R	168 gal/cell (4 cells)
Building 614 East Cells CSU	S	CT, H, M, R	880 gal/cell (4 cells)
DWTF			
Building 693 CSU	S	CT, H, M, R	141,240 gal
Building 693 Annex	S	CT, H, M, R	3,060 ft ³
Building 693 Yard—Freezer Storage Unit	S	CT, H, M, R	30 gal
Building 693 Yard—Roll-Off Bin Storage Unit	S	CT, H	2,160 ft ³
Building 695 Airlock	S	H, M	12,000 gal
Building 695 LWPA Waste Blending Station, Tank Blending Unit	T	CT, H, M, R	Part of 695 Tank Farm capacity
Building 695 LWPA Waste Blending Station, Portable Blending Unit	T	CT, H, M, R	Part of 695 Tank Farm capacity
Building 695 LWPA Cold Vapor Evaporation Unit	T	CT, H, M, R	Part of 695 Tank Farm capacity
Building 695 LWPA Centrifuge Unit	T	CT, H, M, R	55,000 gal/yr
Building 695 LWPA Solidification Unit	T	CT, H, M, R	115 short tons/yr
Building 695 LWPA Shredding Unit	T	CT, H, M, R	183 short tons/yr
Building 695 LWPA Filtration Unit	T	CT, H, M, R	2,750 gal/yr

TABLE B.1.3-1.—LLNL Active Waste Management Facilities and Capacity (continued)

Facility	Unit Type	Waste Type	RCRA, HWCL Wastes – Permit Capacity Totals
DWTF (continued)			
Building 695 LWPA Drum Rinsing Unit, Bulking Station	T	CT, H, M, R	180 short tons/yr
Building 695 LWPA Debris Washer Unit	T	CT, H, M, R	45 short tons/yr
Building 695 LWPA Gas Absorption Unit	T	CT, H, M, R	0.09 short tons/day
Building 695 LWPA Radwaste Evaporator	T (non-RCRA)	R	
Building 695 LWPA Air Lock	(non-RCRA)	R	
Building 695 RWPA/SSTL Water Reactor	T	CT, H, M, R	0.09 short tons/day
Building 695 RWPA/SSTL Pressure Reactor	T	CT, H, M, R	0.09 short tons/day
Building 695 RWPA/SSTL Amalgamation Reactor	T	CT, H, M, R	0.09 short tons/day
Building 695 RWPA/SSTL Uranium Bleaching Unit	T	CT, H, M, R	0.09 short tons/day
Small Scale Treatment Laboratory	T	H, M, R	0.04 short tons/day
Reactive Waste Storage Room	S	CT, H, M, R	12,400 gal
Building 695 Tank Farm	S, T	CT, H, M, R	45,000 gal (storage), 325,000 gal/yr (treatment)
DWTF Portable Tank Storage Pad	S	CT, H, M, R	22,000 gal
Building 696 Radioactive Waste Storage Area	S	R (only)	N/A. A plan to obtain RCRA permit status would allow for 33,000-gal storage capacity. Currently the storage space manages up to 600 55-gal radioactive waste drums
Building 696 Solid Waste Process Area	N/A	Nonhazardous Nonradioactive Wastes	Not Applicable
Area 514^b			
Area 514-1 CSU/Treatment Unit Group	S, T	R, M, TSCA	N/A ^d
Area 514-2 CSU	S	R, M, TSCA	N/A ^d
Area 514-3 CSU	S	H, R, M, TSCA	N/A ^d
Area 514 Waste Water Treatment Tank Farm Unit	S, T		N/A ^d
Building 513 CSU	S, T	H, M, R	N/A ^d
EWTF- Site 300			
Open Burn Unit -Pan	T	H ^d	150 lb/event
Open Burn Unit -Cage	T	H ^d	260 lb/event
Open Detonation Unit	T	H ^d	350 lb/event
S1	S	H ^d	275 gal
S2	S	H ^d	110 gal

TABLE B.1.3–1.—LLNL Active Waste Management Facilities and Capacity (continued)

Facility	Unit Type	Waste Type	RCRA, HWCL Wastes – Permit Capacity Totals
EWSF-Site 300			
Magazine 1	S	H ^c	1,622 lb (net explosive weight)
Magazine 2	S	H ^c	3209 lb (net explosive weight)
Magazine 3	S	H ^c	5592 lb (net explosive weight)
Magazine 4	S	H ^c	4291 lb (net explosive weight)
Magazine 5	S	H ^c	2744 lb (net explosive weight)
Magazine 816	S	H ^c	168 55-gallon drums (no liquids)
Building 883-Site 300			
Building 883 CSU	S	H	3,300 gal

^aTypically an operational limit including a combination of Hazardous, Radioactive, and Mixed Waste unless otherwise restricted by Permit or LLNL management practice.

^bUnder several alternatives, all or some of this facility would undergo RCRA Closure and operational capabilities would be transferred to the DWTF.

^cExplosives and explosive contaminated wastes.

^dArea 514 capacity is included in Building 695 Part B permit.

CSU = Container Storage Unit; CT = A non-RCRA hazardous waste defined by State of California per Title 22 California Code of Regulations; gal = gallon; H = Hazardous; lb = pound; M = Mixed; N/A = not applicable; R = Radioactive (may include LLW and TRU); RHWM = Radioactive and Hazardous Waste Management; S = Storage; T = Treatment; TSCA = *Toxic Substances Control Act*; yd³ = cubic yard;

Note: Many of the facilities listed in this table manage solid waste (waste that does not require a permit and is not radioactive). While the list above is comprehensive it does not include all work areas within a facility where waste is staged, loaded on and off vehicles, inspected, etc. For this information please refer to documents referenced in this appendix.