# ITEM D. 4. Storage Area Capacity

Capacity is calculated for the existing physical space at the facility. Capacity of an area is calculated using **either** the maximum number of drums on pallets, **or** the number of whole lamps on pallets. Since all wastes are compatible it is assumed that each area will be used for any combination of lamps, drums, or other containers of mercury-containing devices (MCDs), batteries, crushed lamps, PCB ballasts, etc.; therefore area inventory and volume will vary. Storage capacities listed here include all incoming and processed material. Our estimates are that 60% of the inventory will be materials awaiting processing and 40% will be processed materials awaiting shipment to a recycler.

These capacities do not include the temporary storage of non-hazardous processed materials outside in covered containers awaiting transportation.

NOTE:
Each Storage Area is intended for use as either a drum storage area or palletized lamp box storage area. The information presented in this summary details maximum calculated capacity for each area based on either of these assumptions - totaling all areas to achieve maximum storage capacity.

| | | | | Maximum Storage Capacity | | |
|---|---|---|---|---|---|---|
| Basis: | **S-#** | = | Area contains only pallets of drums. | Total Capacity (all **S** Designations) | 968 | Drums |
| | 1 pallet | = | 4 - open-top drums | or | | |
| | **L-#** | = | Area contains only pallets of boxed lamps. | Total Capacity (all **L** Designations) | 223,200 | Lamps |
| | 1 pallet | = | 900 - whole lamps (in boxes) | | | |

| Area | Storage Capacity | | | | | | Materials Stored | Waste Codes | Type |
|---|---|---|---|---|---|---|---|---|---|
| One (1) | 12 ft | x | 8 ft | = | 96 | sq ft | Lamp Process Staging \| Universal Waste Lamps | UW - N/A | Permitted \| UW Handler (≤ 1 Year) |
| S-1 | 6 pallets | 2 high | | = | 48 | drums | | | |
| L-1 | 6 pallets | 2 high | | = | 10,800 | lamps | | | |
| Two (2) | 20 ft | x | 4 ft | = | 80 | sq ft | Lamp Process Staging \| Universal Waste Lamps | UW - N/A | Permitted \| UW Handler (≤ 1 Year) |
| S-2 | 5 pallets | 2 high | | = | 40 | drums | | | |
| L-2 | 5 pallets | 2 high | | = | 9,000 | lamps | | | |
| Three (3) | 20 ft | x | 4 ft | = | 80 | sq ft | Lamp Process Staging \| Universal Waste Lamps | UW - N/A | Permitted \| UW Handler (≤ 1 Year) |
| S-3 | 5 pallets | 2 high | | = | 40 | drums | | | |
| L-3 | 5 pallets | 2 high | | = | 9,000 | lamps | | | |
| Four (4) | 24 ft | x | 4 ft | = | 96 | sq ft | Mixed Universal Waste - Lamps, MCDs & Batteries | UW - N/A | Permitted \| UW Handler (≤ 1 Year) |
| S-4 | 6 pallets | 2 high | | = | 24 | drums | | | |
| L-4 | 6 pallets | 2 high | | = | 10,800 | lamps | | | |

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| Area | Storage Capacity | | | | | | | Materials Stored | Waste Codes | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| Five (5) | | 44 ft | x | 4 ft | = | 176 | sq ft | Mixed Universal Waste - Lamps, MCDs & Batteries | UW - N/A | Permitted \| UW Handler (≤ 1 Year) |
| S-5 | 11 pallets | | 2 high | | = | 88 | drums | | | |
| L-5 | 11 pallets | | 2 high | | = | 19,800 | lamps | | | |
| Six (6) | | 40 ft | x | 4 ft | = | 160 | sq ft | Mixed Universal Waste - Lamps, MCDs & Batteries | UW - N/A | Permitted \| UW Handler (≤ 1 Year) |
| S-6 | 10 pallets | | 2 high | | = | 80 | drums | | | |
| L-6 | 10 pallets | | 2 high | | = | 18,000 | lamps | | | |
| Seven (7) | | 40 ft | x | 4 ft | = | 160 | sq ft | Mixed Universal Waste - Lamps, MCDs & Batteries | UW - N/A | Permitted \| UW Handler (≤ 1 Year) |
| S-7 | 10 pallets | | 2 high | | = | 80 | drums | | | |
| L-7 | 10 pallets | | 2 high | | = | 18,000 | lamps | | | |
| Eight (8) | | 40 ft | x | 4 ft | = | 160 | sq ft | Mixed Universal Waste - Lamps, MCDs & Batteries | UW - N/A | Permitted \| UW Handler (≤ 1 Year) |
| S-8 | 10 pallets | | 2 high | | = | 80 | drums | | | |
| L-8 | 10 pallets | | 2 high | | = | 18,000 | lamps | | | |
| Nine (9) | | 40 ft | x | 4 ft | = | 160 | sq ft | Mixed Universal Waste - Lamps, MCDs & Batteries | UW - N/A | Permitted \| UW Handler (≤ 1 Year) |
| S-9 | 10 pallets | | 2 high | | = | 80 | drums | | | |
| L-9 | 10 pallets | | 2 high | | = | 18,000 | lamps | | | |
| Ten (10) | | 36 ft | x | 4 ft | = | 144 | sq ft | Mixed Universal Waste - Lamps, MCDs & Batteries | UW - N/A | Permitted \| UW Handler (≤ 1 Year) |
| S-10 | 9 pallets | | 2 high | | = | 72 | drums | | | |
| L-10 | 9 pallets | | 2 high | | = | 16,200 | lamps | | | |
| Eleven (11) | | 36 ft | x | 4 ft | = | 144 | sq ft | Mixed Universal Waste - Lamps, MCDs & Batteries | UW - N/A | Permitted \| UW Handler (≤ 1 Year) |
| S-11 | 9 pallets | | 2 high | | = | 72 | drums | | | |
| L-11 | 9 pallets | | 2 high | | = | 16,200 | lamps | | | |
| Twelve (12) | | 36 ft | x | 4 ft | = | 144 | sq ft | Mixed Universal Waste - Lamps, MCDs & Batteries | UW - N/A | Permitted \| UW Handler (≤ 1 Year) |
| S-12 | 9 pallets | | 2 high | | = | 72 | drums | | | |
| L-12 | 9 pallets | | 2 high | | = | 16,200 | lamps | | | |
| Thirteen (13) | | 36 ft | x | 4 ft | = | 144 | sq ft | Mixed Universal Waste - Lamps, MCDs & Batteries | UW - N/A | Permitted \| UW Handler (≤ 1 Year) |
| S-13 | 9 pallets | | 2 high | | = | 72 | drums | | | |
| L-13 | 9 pallets | | 2 high | | = | 16,200 | lamps | | | |

## ITEM D. 4. Storage Area Capacity

| Area | Storage Capacity | | | | | | | Materials Stored | Waste Codes | Type |
|---|---|---|---|---|---|---|---|---|---|---|
| Forteen (14) | 28 ft | x | 4 ft | = | 112 | sq ft | | Mixed Universal Waste - Lamps, MCDs & Batteries | UW - N/A \| PCB Ballasts - TSCA Waste | Permitted \| UW Handler (≤ 1 Year) |
| S-14 | 7 pallets | | 2 high | = | 56 | drums | | | | |
| L-14 | 7 pallets | | 2 high | = | 12,600 | lamps | | | | |
| Fifteen (15) | 32 ft | x | 4 ft | = | 128 | sq ft | | Shipping & Receiving Staging Area | Various - Non-Haz \| Haz \| Universal Wastes | Permitted \| UW Handler (≤ 1 Year) |
| S-15 | 8 pallets | | 2 high | = | 64 | drums | | | | |
| L-15 | 8 pallets | | 2 high | = | 14,400 | lamps | | | | |

Additional material storage as associated with supporting activities.
The materials below are not included within the calculated Total Permitted Storage Area(s).

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| HW Storage(1) | ft | x | ft | = | N/A | sq ft | | Generator waste accumulation - including: phosphor powder; plant scraps & debris; filter media, etc… | D009 | Generator (LQG) \| 90-Day |
| | pallets | | high | = | - | drums | | | | |
| | pallets | | high | = | - | lamps | | | | |
| 10-Day(1) | ft | x | ft | = | N/A | sq ft | | HW Transporter - material in transit | Various - Haz (Primarily D009, D011) | HW Transporter \| 10-Day |
| | pallets | | high | = | - | drums | | | | |
| | pallets | | high | = | - | lamps | | | | |

NOTES: (1) The areas are not directly part of permitted storage areas - being used for either accumulation for Generator wastes or the handling of material associated with 10-Day Transfer. As such, these areas are somewhat flexible in size/area. This "flexiblity" is depicted with shading shown on the *Facility Features Drawing* [see Attachment 3 - Item B.2]