# University of Pennsylvania

## Sharps Recycling Solution

Provided by:

CURTIS BAY
MEDICAL WASTE SERVICES

# Reusable Sharps Program

- **Curtis Bay has been awarded the contract to implement a Reusable Sharps Program system wide.**
- **All Sharps waste generated by UPenn are collected by Curtis Bay staff and incinerated at our Waste to Energy Plant in Baltimore**
- **Curtis Bay will utilize containers that have multiple openings.**
- **Typical savings from converting from a disposal sharps container to a Reusable "Recycling Program" Container saves the lab 30% annually.**
- **Curtis Bay implemented a Barcode Scanning Program to track each container, the waste generated and associated cost. The UPenn Schools are charged based on the actual weight of the sharps in the containers at a rate of $0.612 per pound.**
- **By eliminating the ongoing cost of purchasing disposal sharps containers, labor associated with autoclaving repackaging and disposal cost, clients save 30% to 40% annually.**

# Reusable Sharps Program

## How Do I Determine the Cost?

- **The actual cost incurred by a specific area/lab is determined by the actual weight of material placed in the sharps container.**
- **At a certified weigh in at the Smilow building 90% of the containers were less than 17 pounds. Based on a 17-pound average weight per container assumption, which at $.612/pound translates to $10.40 per container.**
- **The unique site number for each lab is the building name, floor, and lab name.**
- **If you are interested in your labs participating in the program please fill out the Client Information sheet provided and generate a Purchase Order.**

# Reusable Sharps Program

## What information is needed?

- **Information needed to set up an account (Lab Managers Name, Lab number, Lab name if applicable and the number of containers needed**
- **Business Agents will need to generate a Purchase Order**
- **Business Agents need to provide Curtis Bay with the filled out Client Information Sheet provided by Curtis Bay**
- **Curtis Bay will then establish an account number for each lab or cluster and provide you a with your account number**
- **1 Manifest will be generated per Building**
- **Business Agents will be receive an itemized report month for all labs or clusters to validate the cost incurred per lab.**

# Reusable Sharps Program

**How to Create a new Purchase Order to Curtis Bay Energy (Ben Buys # 404350)**

- **The PO should be created as follows:**
- **Type of PO: Create a "Service" Type PO**
- **Quantity: Use the estimated dollar amount you expect to spend for the period (Dates TBD), 2016- Example: Quantity-20,000.**
- **Unit Price: Use $1.00 as the unit price**
- **Description: Your Site address is your building name, floor #, and lab number. This Site Number, along with the BA's last name, must appear in the description. The rooms to be serviced, along with the number of containers at each room is also necessary**
- **ALL invoicing will be sent directly to Accounts Payable Department, not to specific departments, as part of the Procure-To-Pay Process; AP scans every invoice; all invoicing will be available for view in Markview.**

# Reusable Sharps Program

## How often are the containers Exchanged?

- Curtis Bay provides  service to each building/lab weekly to inspect each container
- Typically the containers or exchanged when the material placed in the Sharps Containers reaches the fill line (75% full).
- In the event your lab has a Sharps Container is odorous it will be removed during the service call.
- All containers are exchanged regularly every 30 days  to ensure regulatory compliance.
- The 30 day process of counting the number of days the container has been in the lab will be managed by the barcode scanning system

# Reusable Sharps Program

**What kind of Reports will I receive  to valid Cost?**

- The itemized report will be sent to the BA and include the following information
- Your Lab Managers Name
- Your Account Number
- Your Purchase Order Number
- The Building Name, Lab Number(s) and Name if applicable
- Weight of the Sharps Recycled per container
- The Cost incurred per container

# Reusable Sharps Program

## Who Do I call if I need help?

- **Sam Blanchard - Account Manager**
- **443-257-5195 or sblanchard@curtisbayenergy.com**
- **Jim Frank - Service Manager**

  **610-301-2913 or jfrank@curtisbayenergy.com**
- **Denise Nates –Office Manager**

  **610-926-6042 or dnates@curtisbayenergy.com**

# Reusable Sharps Program

## How does the Sharps Recycling Process work at the Lab?

- The next 5 slides illustrates the process steps taken by the Curtis Bay Sharp Technician during the process of exchanging containers utilizing the barcode scanning system.
- The barcode scanning system manages the time a container has been utilized in a specific area
- The barcode scanning system generates individual reports to validate charges incurred by each lab.

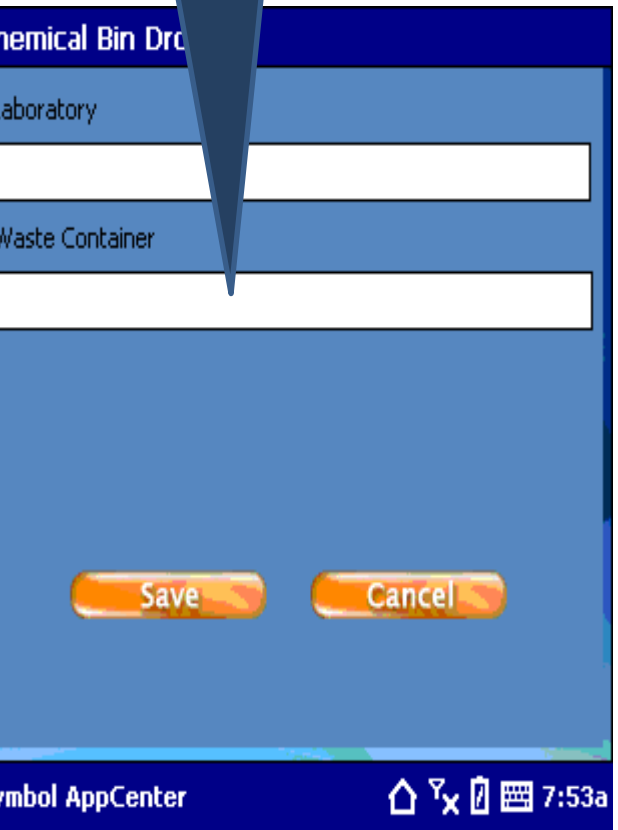
# Reusable Sharps Program

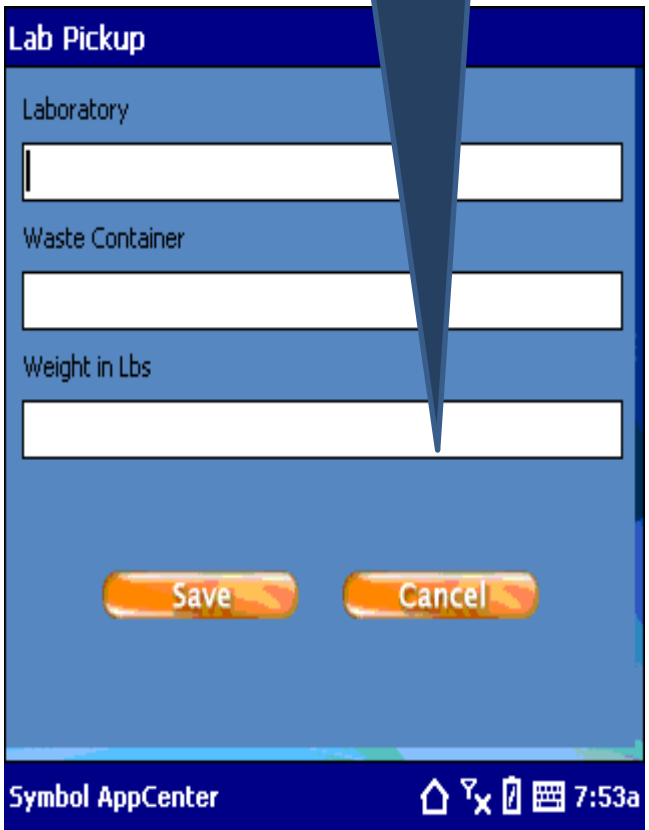
- FDA 510(k) Cleared
- Life Cycled for 300 uses
- 12.5” x 20” x 25.9”
- Closeable; Puncture Resistant; Leak-proof on sides and bottom; Labeled or color coded in accordance with 29CFR1910.1030(g)(1)(i)
- Semi-transparent sub lid for monitoring waste levels
- 2 lid options; Main Lid and Sub Lid
- Stackable; Nestable for transport and storage
- Approximately 17 gallons
- Integrated Handle
- Securely locks for transport

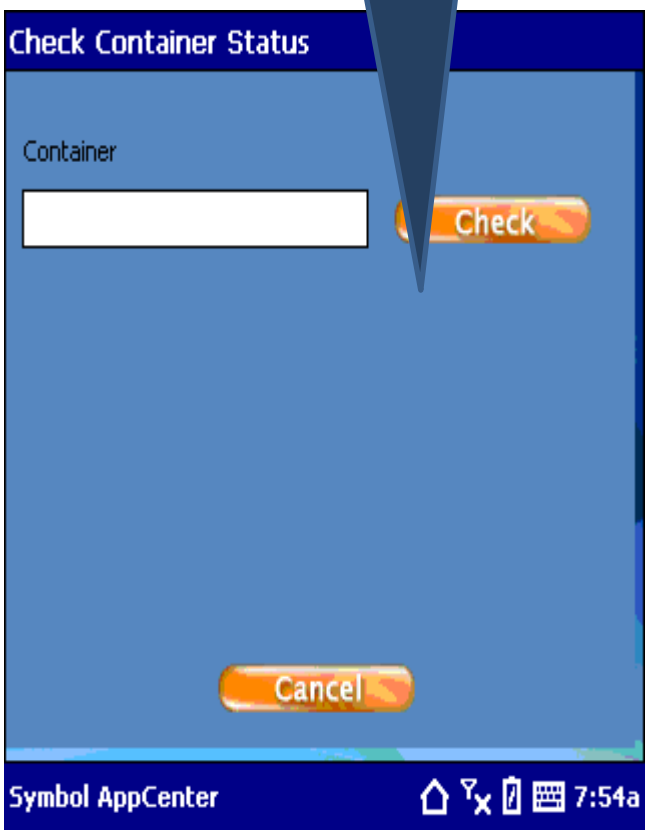
Drop off Bin at Location. Starts 30 day Clock

Pickup Containers from Location

Container Status can be checked to ensure weight is transferred to Manifest



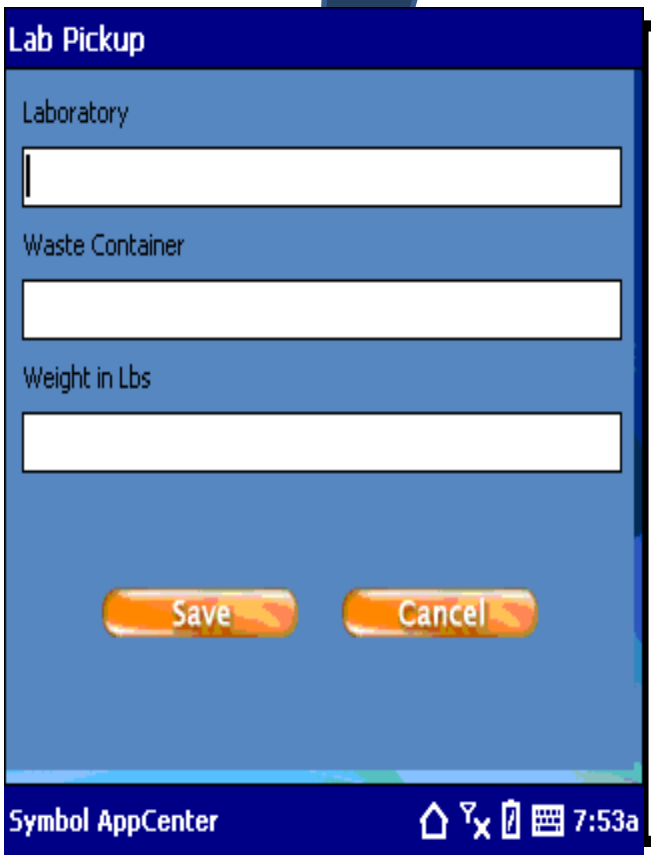



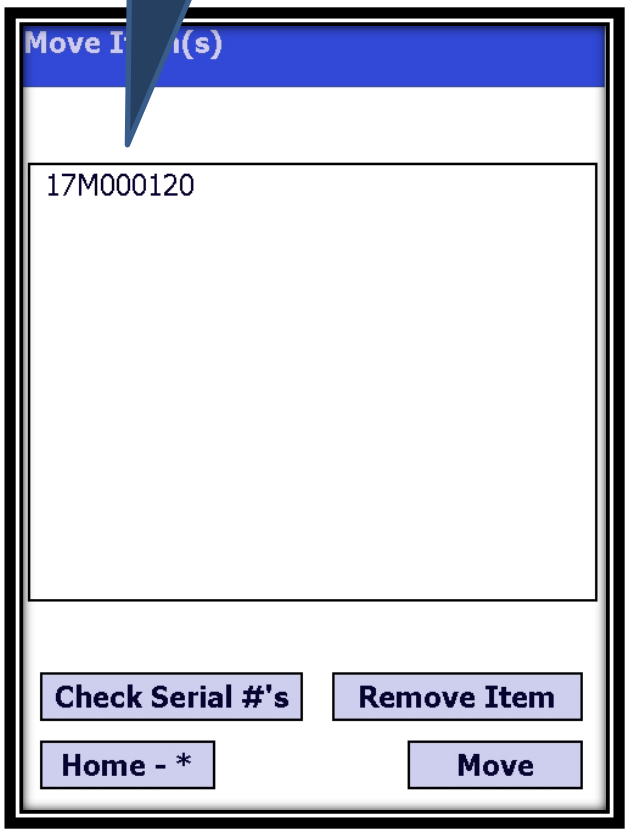



Move Inventory from In Service at Lab to Processing at CBE

Simply Scan the Container to Move to Selected Location

The System will Capture the Container Serial Number





Track Inventory by Pickup Location

Track Inventory by Location: (IE: CBE Inv., Building # and Lab #, where container is in service.

Track Inventory by pickup date and Disposal date

# Disposal Container Report

**Generator :** University of Penn

**Bar Code Number :** DD-340-14-166 **Drum Start Date :** 03/04/2014 **Weight :** 231.00

**Location:** 01-113

| Quantity | Weight | Total | Waste Container | Chemical | EPA Code | Date Picked up | Date consolidate |
|---|---|---|---|---|---|---|---|
| 1 | 19.00 | 19.00 | 17000000001935 | SHARPS | NONE | 03/04/2014 | 03/04/2014 |
| **SubTotal :** | | 19.00 | **Percentage :** 8.23% | | | | |

**Location:** 01-133

| Quantity | Weight | Total | Waste Container | Chemical | EPA Code | Date Picked up | Date consolidate |
|---|---|---|---|---|---|---|---|
| 1 | 15.00 | 15.00 | 17000000001936 | SHARPS | NONE | 03/04/2014 | 03/04/2014 |
| 1 | 16.00 | 16.00 | 17000000003829 | SHARPS | NONE | 03/04/2014 | 03/04/2014 |
| 1 | 18.00 | 18.00 | 17000000004757 | SHARPS | NONE | 03/04/2014 | 03/04/2014 |
| **SubTotal :** | | 49.00 | **Percentage :** 21.21% | | | | |

**Location:** 03-316A

| Quantity | Weight | Total | Waste Container | Chemical | EPA Code | Date Picked up | Date consolidate |
|---|---|---|---|---|---|---|---|
| 1 | 14.00 | 14.00 | 17000000004829 | SHARPS | NONE | 03/04/2014 | 03/04/2014 |
| **SubTotal :** | | 14.00 | **Percentage :** 6.06% | | | | |

**Location:** 03-330

| Quantity | Weight | Total | Waste Container | Chemical | EPA Code | Date Picked up | Date consolidate |
|---|---|---|---|---|---|---|---|
| 1 | 15.00 | 15.00 | 17000000004936 | SHARPS | NONE | 03/04/2014 | 03/04/2014 |
| **SubTotal :** | | 15.00 | **Percentage :** 6.49% | | | | |

# Sample of a 30 Day Non-Collection Report

This report provides Curtis Bay to track outline how long each container has been in service without being collected for processing. This will ensure that each labs containers are removed within the 30 day requirement.

## Days Since Last Pickup Report

Customer Name : University of Penn

| Container Serial # | Date Put In Service | # of | Lab Name | Floor/Lab # |
|---|---|---|---|---|
| 170000002156 | 2/5/2014 12:52:00PM | 30 | | 01-171 |
| 170000002328 | 2/4/2014 10:41:34AM | 31 | | 02-208 |
| 170000002274 | 2/4/2014 9:15:56AM | 31 | | 02-270SOLDAN |
| 170000004849 | 2/4/2014 12:25:44PM | 31 | ROSS LAB | 03-327 |
| 170000004402 | 2/4/2014 12:24:28PM | 31 | WHERRY LAB | 03-328 |
| 170000002815 | 2/4/2014 12:23:20PM | 31 | WHERRY LAB | 03-331 |
| 170000004795 | 2/5/2014 10:19:46AM | 30 | | 03-350 |
| 170000004250 | 2/4/2014 9:51:11AM | 31 | | 04-470 |
| 170000004091 | 2/4/2014 12:05:18PM | 31 | DIEHL LAB | 04-476 |
| 170000004601 | 2/4/2014 11:51:43AM | 31 | MINN LAB | 05-577 |
| 170000003725 | 2/4/2014 11:12:49AM | 31 | MARTIN P CARROLL | 07-724 |
| 170000003981 | 2/4/2014 10:07:34AM | 31 | | 07-771 |
| 170000004615 | 2/5/2014 12:40:23PM | 30 | DEPT OF RADIOTION ONCOLOG | 08-167 |
| 170000004898 | 2/5/2014 12:32:07PM | 30 | DR.CARL JUNE | 08-180A |
| 170000004940 | 2/5/2014 12:30:55PM | 30 | DR.CARL JUNE | 08-182A |
| 170000004368 | 2/5/2014 12:11:02PM | 30 | DEPT OF RADIOTION ONCOLOG | 08-254 |
| 170000003010 | 2/5/2014 11:59:20AM | 30 | KENNETH ZARET | 09-167 |
| 170000004039 | 2/5/2014 11:58:19AM | 30 | MARISA BARTOLOMEI | 09-174 |

# Sample of a Container Report

CURTIS BAY
MEDICAL WASTE SERVICES

## Container Collection Report

Customer Name : University of Penn

Date:3/2/2014 To 3/7/2014

| Laboratory # | Container Serial# | Collection Date /Time | Weight | Weight % |
|---|---|---|---|---|
| **Business Agent : SHANEAL WARREN** | | | | |
| **Contract Number : 490200** | | | | |
| **Building Number : SCTR** | | | | |
| 12-188 | 170000004069 | 3/2/2014 4:33:30PM | 0.00 | 0.00 |
| **Contract Number : 490200** | | **Total Weight :** | **0.00** | |
| | | **Total Price :** | **0.00** | |
| | | **Total Nos. of Containers :** | **1** | |
| **Business Agent : SHANEAL WARREN** | | **Grand Total Weight :** | **0.00** | |
| | | **Grand Total Price :** | **0.00** | |
| | | **Grand Total Nos . of Containers :** | **1** | |
| **Business Agent : STEVE FALA** | | | | |
| **Contract Number : 492000** | | | | |
| **Building Number : SCTR** | | | | |
| 09-183 | 170000004525 | 3/2/2014 3:47:18PM | 0.00 | 0.00 |
| **Contract Number : 492000** | | **Total Weight :** | **0.00** | |
| | | **Total Price :** | **0.00** | |
| | | **Total Nos. of Containers :** | **1** | |
| **Business Agent : STEVE FALA** | | **Grand Total Weight :** | **0.00** | |
| | | **Grand Total Price :** | **0.00** | |
| | | **Grand Total Nos . of Containers :** | **1** | |
| **Business Agent : WILLIAM STAUFFER** | | | | |
| **Contract Number : 494700** | | | | |
| **Building Number : SCTR** | | | | |
| 08-194 | 170000004879 | 3/5/2014 12:15:17PM | 21.00 | 100.00 |
| **Contract Number : 494700** | | **Total Weight :** | **21.00** | |
| | | **Total Price :** | **12.39** | |
| | | **Total Nos. of Containers :** | **1** | |
| **Business Agent : WILLIAM STAUFFER** | | **Grand Total Weight :** | **21.00** | |
| | | **Grand Total Price :** | **12.39** | |
| | | **Grand Total Nos . of Containers :** | **1** | |

# Reusable Sharps Program

- **Are there any Questions?**