

CHEMICAL WASTE COLLECTION

IMPROVE TURNAROUND TIME FOR CHEMICAL WASTE COLLECTION

SITUATION

Improve service delivery to clients requesting chemical waste collection by

- Decreasing response time for pickup
- Making the collection process more efficient

SOLUTIONS

1. Build a waste collection request feature into the MyChem inventory tracking system to streamline requests.
2. Improve existing EH&S Online Hazardous Waste Collection Request System to eliminate the manual processing of paper forms.
3. Increase access to restricted areas for easier and faster waste collection.

PROCESS IMPROVEMENTS FOR OUR STAFF

Instructions: List all chemical components (including solvents) and their percentages (must total to 100%). Use full chemical names. Type or Print legibly in Ink. Start entries at a new block.

Chemical Constituent / Name: Use as many lines as you need.	Percent Must = 100%	No. of Conts & Type	Total Vol	For Environmental Health and Safety Use Only			Storage Location
Chlorobenzene 1355	45	3	12L	201723314	GB 5.10 ✓	AE Lab	LOT1
Chloroform 14	30	3		201723315	GB 5.05 ✓		
l-Octadecane 2388	11			201723316	GB 5.20 ✓		
Butylamine 26	12						
Pyridine 4390	1						
Lead Sulfide 1193	1						

Previous waste collection request form was hand written by the client (in black) and manually processed by EH&S staff (in blue).

Turnaround time was about two weeks.

Container	Qty	Container Type	Total Volume	Waste Designation					Storage location
1	3	GB	12 L						
Chem ID	Chemical Name	%	Op1	Op1 a	Op1 b	Op1 c	Op2		
1355	CHLOROBENZENE	45	FLO	XX			LABPACK		
14	CHLOROFORM	30	TXC	TX			TOX-BULK		
34	1-OCTADECANE	11	NRM	XX			AMBULK		
26	BUTYLAMINE	12	FLO	FL	BA	TX	LABPACK		
4390	PYRIDINE	1	FLO	XX			LABPACK		
1193	LEAD SULFIDE	1	ENV	XX			LABPACK		

Notes: Submitter of this form certifies that materials referenced are accurately described and are packaged and labeled in accordance with the UW Hazardous Waste Management Guide. Current schedule for collection time is 2 to 4 weeks. For questions call: 206-616-5835 or email: chmwaste@u.washington.edu

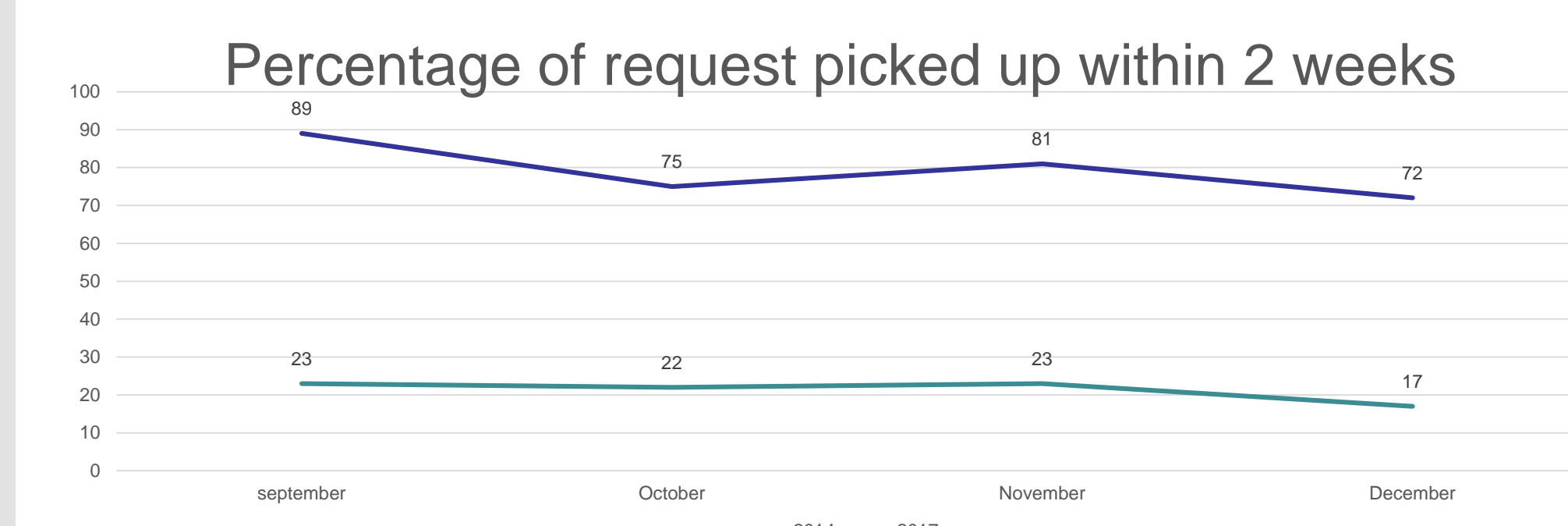
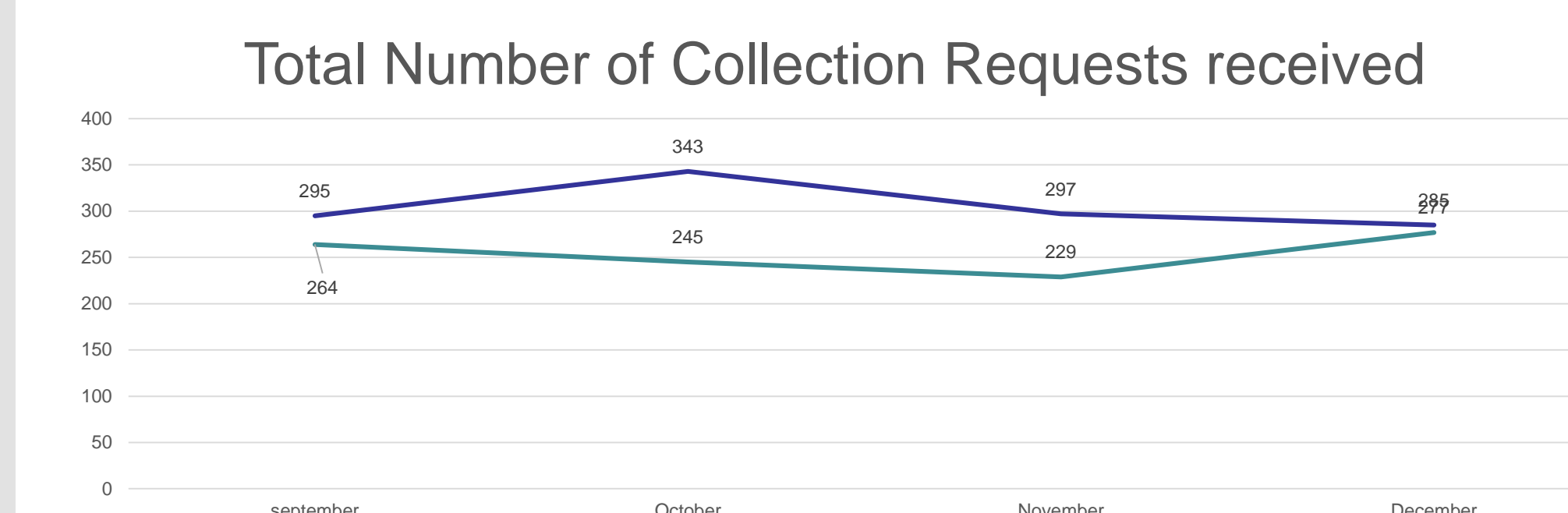
Requests come in with the proper Chem ID from our masterlist already selected, eliminating one time consuming designation step.

New collection request form is completed online by the client with essential disposal information automatically populated before EH&S receives it.

EH&S spends less time manually processing requests.

RESULTS

EH&S reduced the turnaround time between request and collection of chemical waste despite an increase in the number of requests.



EH&S staff spend **80% less time** processing a request that is submitted through MyChem compared to previous handwritten forms.

IMPROVEMENTS FOR WASTE GENERATORS

Clients using MyChem can easily generate a waste collection request directly from their chemical inventory.

- **Saves time** – No need to fill out a form.
- **Increases accuracy** – Dropdown menu selections.
- **Simplifies Inventory Updates** – Option to remove chemicals from inventory while building the waste collection request.

Clients using the EH&S Online Hazardous Waste Collection Request System benefit from the improved functionality and user-focused design.



Departments provided keys and access cards to increase EH&S staff access to restricted areas during hazardous waste collection.



FUTURE IMPROVEMENTS



Adding an **additional collection vehicle** to our fleet allowing for simultaneous waste collections.