



SATELLITE ACCUMULATION AREA (SAA) STANDARDIZATION

BY: FIU EHS

SELECTING A PROPER LOCATION FOR SAA

- Area must be of an adequate size to assure that it can safely store the waste being generated in the area and containers of and containment for waste **does not**:
 - Protrude into aisle-ways.
 - Block access to emergency equipment or exits.
- **Area should be located near the process that is generating the waste.**

SELECTING PROPER HAZARDOUS WASTE ACCUMULATION AREA

Area Should Not Be Located:

- Inside laboratory fume hoods that are used for other purposes. (If a fume hood is used for the storage of hazardous wastes **NO** other equipment or chemicals may be present in the hood).
- Next to open floor drains or sinks.
- On bench tops of benches, flammable or corrosive storage cabinets, or other precarious locations.

SELECTING PROPER HAZARDOUS WASTE ACCUMULATION AREA

Area Should Not Be Located:

- Next to operations which are incompatible with the wastes (e.g., ovens, flammable wastes, high voltage laboratory equipment).
- Next to areas where incompatible chemicals or wastes are regularly used or stored.
- Inside laboratory fume hoods which have drains or do not have adequate secondary spill containment.

SELECTING A PROPER LOCATION FOR SAA

- Example: Fume hoods can be used as either an experimental zone or secondary containment for SAA. Cannot be used for both, only one.



SAA STANDARDIZATION REQUIREMENTS

Signage

1. Label area "Satellite Accumulation Area".
2. Print Laboratory Hazardous Waste Satellite Accumulation Area Requirements
 - Located here : [Hazardous Waste Satellite Accumulation Area Requirements](#)
 - Proper signage helps identify types of chemicals used and currently in use. (Flammable, Corrosive, Toxic).
 - Print Zero Quantity Sheet. Located here: [Zero Quantity Sheet](#)
 - Satellite Accumulation Signage Located here: [Satellite Accumulation Signage](#)

SAA STANDARDIZATION REQUIREMENTS: SAA FORMS

SAA Checklist



Zero Quantity Form



FIU LAB SAA Signage

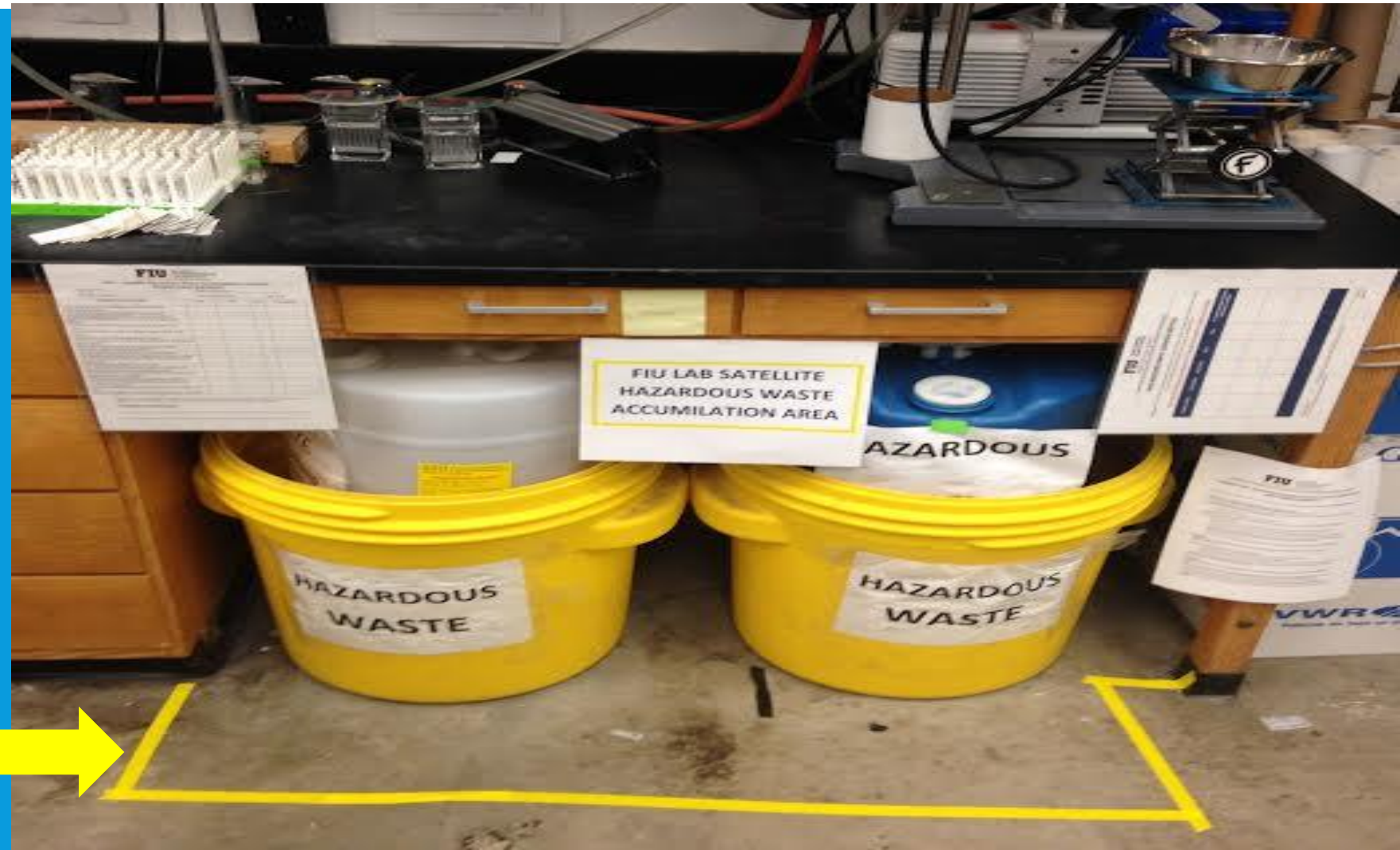
SAA STANDARDIZATION REQUIREMENTS: MARKINGS

- Yellow Tape – Serves as a perimeter and boundary for SAA.



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SAA STANDARDIZATION REQUIREMENTS: COMPATIBILITY

- Segregation of flammable drums and inorganic drums.
- Appropriate distancing of waste drums.



SAA STANDARDIZATION REQUIREMENTS: SAA CHECKLIST

Can be downloaded on EHS website.

<http://ehs.fiu.edu/Pages/default.aspx>

This checklist must be completed on a weekly basis!

1. HOME
2. PROGRAMS
3. EHS FORMS
4. ENVIRONMENTAL COMPLIANCE

FIU – Satellite Hazardous Waste Accumulation Checklist INSPECTION REPORT

Insp. by, Print: _____

Date of Inspection: _____

PI Name & Room: _____

Time of Inspection: _____ AM / PM

INSPECTION ITEMS	Yes	No	N/A	Comments
SAA posted/labeled as Hazardous Waste Satellite Accumulation Area.				
Are SAAs located near or at point of generation?				
Is waste being transported between rooms to a SAA?				
Is SAA in an appropriate location away from sinks and drains?				
Are there more than 55 gallons of waste stored in the SAA?				
Is there more than 1 quart of P-listed waste stored in the SAA?				
Is the SAA located in an appropriate area?				
Are the containers in the SAA marked with a "Hazardous Waste label"?				
Is the date filled out on the hazardous waste label?				
Waste containers are tightly closed?				
Are the containers in the SAA in good condition?				
Are all the waste in the SAA compatible with each other?				
Are all containers in the SAA closed when they are not being used?				
Are waste bottles filled to a safe level?				
Are emergency spill response supplies available and appropriate to the type of materials handled?				
Are all signs that are posted inside the SAA, intact and legible (no tears or smears)?				
Is Hazardous waste kept in a secondary container?				
If applicable: Chemical and broken glass containers available & emptied.				
Necessary Personal Protective Equipment available in the lab.				
Copies of EH&S Waste Pick-Up Manifest are presented.				

Indicate by a checkmark if conditions are satisfactory. Otherwise explain in the COMMENTS section below. Indicate location and item at fault & describe corrective actions taken and date of completion.

COMMENTS & OBSERVATIONS

GENERAL SAA SAFETY GUIDELINES

Containers

- FIU EH&S do not provide teaching or research labs with hazardous waste containers. Lab managers and primary investigators are responsible for purchasing their own hazardous waste containers.
- Secondary Containers **must** be compatible with hazardous waste.

GENERAL SAA SAFETY GUIDELINES

Broken Glass Containers

- Are puncture resistant plastic or corrugated cardboard.

Only for the disposal of:

- Clean broken glass (no chemical residual on surface of broken pieces of glass).

GENERAL SAA SAFETY GUIDELINES

Labeling Waste Containers

- Mark all Hazardous waste container labels with the words “Hazardous waste”.
- Quantity of all constituents identified as hazardous waste in the container must add up to 100%.

THE END

