

**DOOR TO DOOR
HAZARDOUS WASTE
COLLECTION**

San Francisco's Experience

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PRESENTATION PREVIEW

- History of San Francisco HHW Programs
- Door to Door Collection Programs (7+ yrs)
- Best & Worst Case Scenarios
- Questions to ask Before Starting a Program
- Regulation
- CESQG Collection
- Cost/Funding
- Outreach



HHW PROGRAM HISTORY

- ☆ 1988 PHHWCF
- ☆ 1991 Sharps Drop-off Program at 50+ Pharmacies
- ☆ 1992 CESQG Drop-off Program at PHHWCF
- ☆ 1996 Battery Drop-off at 10 Retail Sites
- ☆ **1998 Seniors/Disabled HHW Door to Door Collection**
- ☆ **1999 Oil & Latex Door to Door Collection**
- ☆ **2000 Co-Pay HHW Door to Door Collection**
- ☆ 2000 Expansion of Retail Battery Program to 80+ Sites
- ☆ 2000 One-Day Mercury Thermometer Exchanges
- ☆ 2002 Mercury Thermometer Exchange Sites
- ☆ 2004 Fluorescent Lamp Drop-off at 13 Retail Sites
- ☆ *2005 Pharmaceutical Drop-off at Senior Centers & Retail Sites*

1998 SENIOR/DISABLED DOOR to DOOR PROGRAM



WHY?

- ◆ Could not expand PHHWCF
- ◆ Location of PHHWCF
- ◆ Limited assistance from local Public Health Department
- ◆ Large senior population (~ 15% over the age of 60)
- ◆ Large non-driving population

HOW?

- ◆ HHW Discretionary Grant
- ◆ RFB for contractor
- ◆ Waste brought to our PHHWCF



1999 OIL & LATEX DOOR to DOOR PROGRAM

Oil Collection – Curbside & Door to Door Pilots

- ❖ CURBSIDE Collection on Trash/Recycling Day
 - ◆ Difficulty for contractor/driver to identify oil left on curb
 - ◆ Resident removed oil once trash/recycling was collected
 - ◆ Inefficient collection method (time & fuel use)
- ❖ DOOR to DOOR Collection by Appointment
 - ◆ No “missed” pick ups
 - ◆ More flexibility for customer to choose collection date
 - ◆ More efficient collection – known collection route

Latex Paint Collection – Door to Door

- ❖ Chose Oil Appointment Model to Expand Program to Include Latex Paint



SUMMARY OF SERVICES

☆ Free Senior/Disabled HHW Door to Door Collection

- 10-12 collections/week ~ 520 customers/year
- Subsidized with Block Grant funds
- Waste is brought to our PHHWCF
- Latex taken directly to a recycler

☆ Free Motor Oil/Latex Door to Door Collection

- 20-25 collections/week ~ 1200 customers/year
- Subsidized with Block Grant funds
- Motor oil taken to PHHWCF
- Latex taken directly to a recycler

☆ Subsidized HHW Door to Door Collection (Added in 2000)

- 3-5 collections/week ~ 150 customers/year
- Customer pays transportation
- Subsidized with Block Grant funds
- Waste taken directly to TSDF or recycler



“Free Door to Door Collection for Everyone!”

2004-2005 Pilot

- ◆ Offered FREE Door to Door HHW collection for ~ 1000 single family homes
- ◆ 126 responses (initially 145)
- ◆ Did NOT place limits on waste quantity
- ◆ Average waste/home more 15 gallons (average at HHWCF is 10 gallons)
- ◆ Surveyed participants on program frequency, response was 1-2 times/yr
- ◆ Offered SECOND FREE Door to Door 6 months later to original participants
- ◆ 26 responses (20%) – but mostly old waste
- ◆ Goal is to determine frequency of need
- ◆ Will offer additional FREE Door to Door collection after 1 year (October 2005)
- ◆ Gathered great amount of data in a very short period of time
- ◆ Have many questions to consider before expanding program



What does Door to Door
Collection look like?

Best & Worst
Case Scenarios

Good Customers...

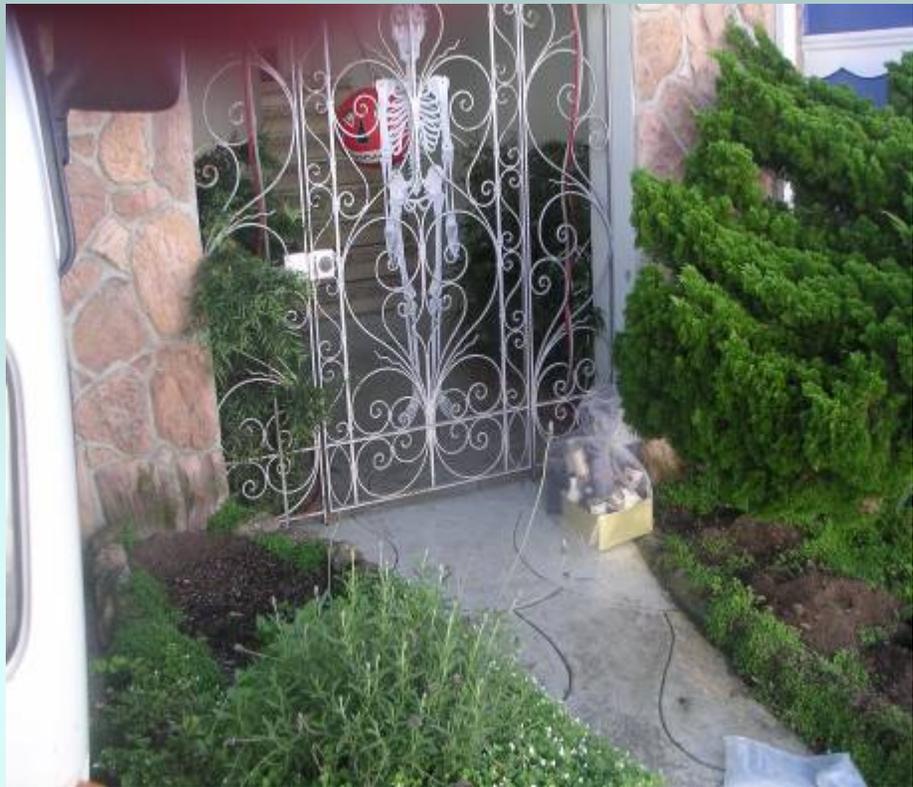
Have a small quantity of waste,
bagged correctly.



Good Customers...

Request a 2nd bag for additional waste.





Good Customers...

Place waste in front of their home.



In Front of Their Home

Is this private property?

Is this Curbside?





Containment
Do “Curbside” waste need
secondary containment?



Containment

What is appropriate?



Containment

What is safe?



Containment

What is
tamper/theft proof?



?

Waste Limits

15 Gallons?



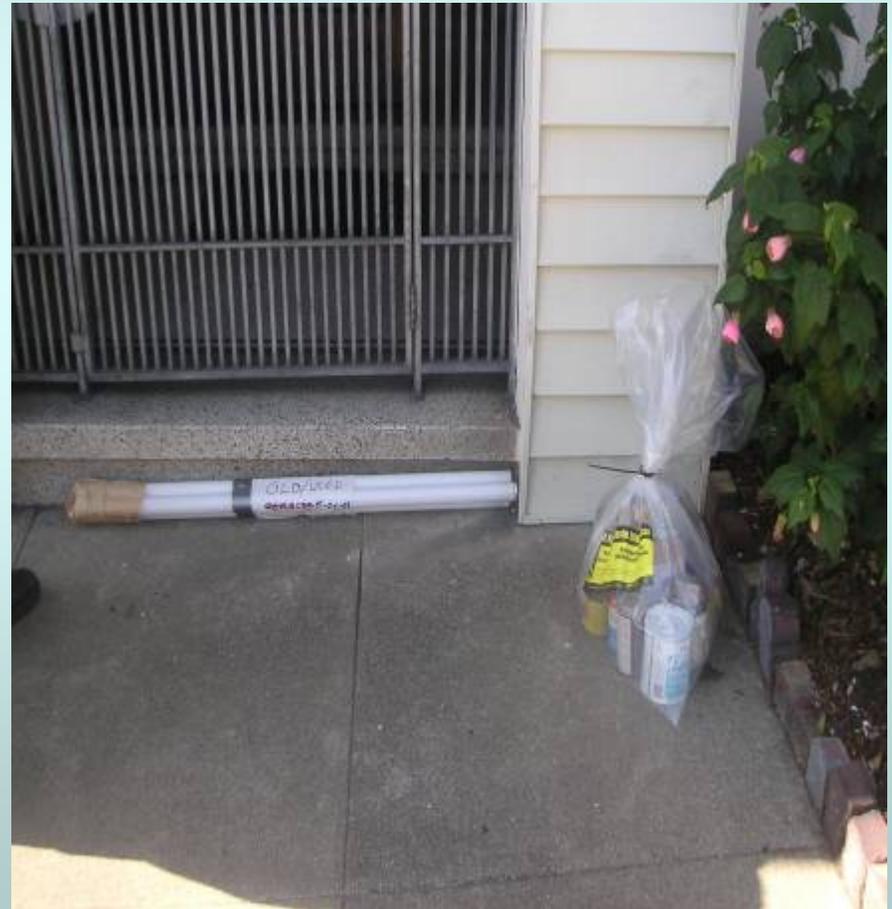
Waste Limits

How much is
too much?



Fluorescent Lamps

What about other Universal
Waste items (CRTs)?



Pharmaceuticals
Waste Identification?
Privacy Issues?
Controlled Substances?



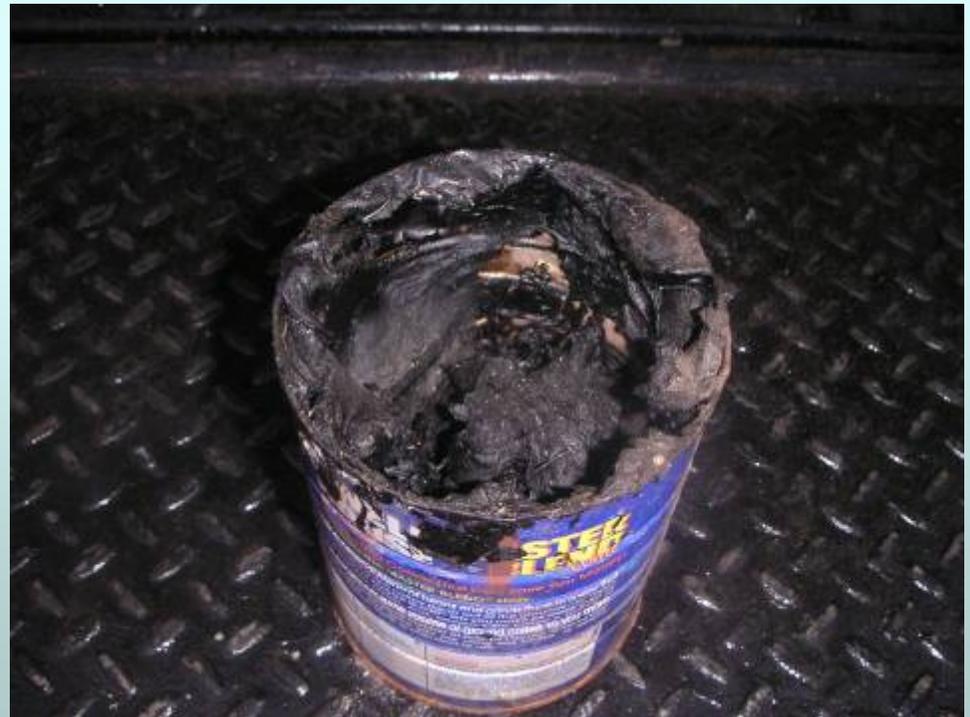
Is there more than one disposal option?





Open Containers

Repackage or leave behind?



Leaking Containers

Repackage or leave behind?





Corroded
Containers

Damaged
Containers



Unknowns & Questionable Waste

Safer left behind,
or safer taken away?



Non-Hazardous Waste



Non-Hazardous Waste



Non-Hazardous Waste



Non-Hazardous Waste





CONCLUSION

There is a lot to consider before beginning a program...

- How does Door to Door differ from Curbside?
- What waste will you accept?
- How much waste will you accept?
- How should participants package their waste?
- How will you handle open or leaky containers?
- How will you handle unknowns?
- How will you handle non-hazardous waste?



TIPS FOR A SUCCESSFUL PROGRAM

- Hold Pilots
 - Start Small
 - Be Flexible
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- Serve ~ 1500 Customer Annually
 - High Customer Satisfaction

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