

Plastic Film Cooperative Recycling Initiative— Hospital Blue Wrap Film

For discussion between California Integrated Waste Management Board staff and stakeholders in developing a detailed plan for hospital blue wrap film diversion projects.

Hospital Blue Wrap (Blue wrap = Polypropylene)

Objectives:

1. Re-establish collection programs for hospitals
 - a. Previous participating hospitals
 - b. New hospitals
2. Pave the way for dealing with other hospital waste management issues
 - a. ID other plastics to target

Metrics:

1. Number and percentage of participating hospitals
 - a. ID how many hospitals there are
 - b. ID # of hospitals with attached outpatient surgeries
2. Blue wrap generation by hospitals
 - a. Kaiser survey tool
3. Amount of film collected by hospital
 - a. Aggregate by region or jurisdiction (per bed?)
4. Number and percentage of hospitals by region or jurisdiction with a program
 - a. Add to GIS map

Tasks & Deliverables:

1. Identify number of hospitals to target in categories of small, medium, large, including surgery centers
 - a. DHS & DTSC lists
 - i. Break down by region
 - b. Get quantity purchased by hospitals and region
 - c. Identify percentage of generation in waste stream by hospitals (Up to 30% of the surgical unit's waste)
 - d. Identify demonstration sites to prove concept
 - e. Develop a survey tool based on Kaiser's model
 - i. Estimate generation
 1. Develop supplier survey
 2. Publish results
 3. ID other recyclable plastic
2. Develop end uses for the recovered polypropylene film
 - a. Possible end users
 - i. Closed loop (film to film)

California Integrated Waste Management Board
Hospital Blue Wrap Film Collection Meeting, August 29, 2006

- ii. Rigid packaging
 - iii. Export (What end market is available in Asia?)
 - iv. Durable goods (crash cart)
 - b. Identify existing markets
 - i. Domestic and export markets are available
 - c. Develop CA markets
 - i. Work through RMDZ and CA processors
- 3. Cooperative activities to share information to develop demonstration projects for participants.
 - a. Gather information from existing programs in CA, Oregon and Wash.
 - i. Agri-Plas
 - ii. Clean Source
 - iii. Custom Compactors
 - iv. Case studies from participating hospitals
 - b. Schedule meetings with individual hospitals within health care systems (Kaiser/Mercy/Catholic Health Care West/Sutter/UC Davis/John Muir/Seaton)
 - c. Work with the hospitals, haulers equipment manufacturers to establish collection infrastructure
 - d. Provide information on amounts and locations of plastic
 - e. Promote collection with haulers and janitorial supply companies that can back haul
 - f. Provide information on end use markets
 - g. Demonstration projects need to be developed
- 4. Targeted Outreach and Education
 - a. Target audiences
 - b. Hospitals (admin/safety/env. mgmt & surgical/nursing staff)
 - c. Collectors
 - d. End Users
 - e. HOSPAA
 - f. Healthy Hospitals Network
- 5. Outreach Opportunities
 - a. Articles
 - b. Annual meetings
 - c. Awards
 - d. Conference? (Better to go to a hospital event rather than try to get them to a board meeting)
 - e. Workshop (Hospitals)
 - f. Develop a web page
 - g. Include information in local jurisdiction "tool kit" (BMPs and Guidelines)
 - 1. Baler/Compactor
 - 2. Large bags
 - 3. Space issues
 - 4. Back hauling
 - 5. Reduction in garbage fees
 - 6. Sandwich bales

7. Co-collection with other plastics
 - h. Use existing hospital admin medical staff listservs to promote program

Stakeholders:

1. Hospitals
 - a. Kaiser
 - b. Catholic Health Care West (Mercy)
 - c. Seton
 - d. UC Med Center
 - e. Healthy Hospital Network
 - f. Sutter
 - g. John Muir
2. Local Jurisdictions (in listed counties) & Other
 - a. San Mateo
 - b. Alameda Co. (Stop waste.org)
 - c. San Francisco
 - d. Santa Clara
 - e. Contra Costa
 - f. Santa Cruz
 - g. Marin
 - h. Sacramento
 - i. San Joaquin
 - j. Shasta
 - k. DTSC (Mercury Free)
 - l. DHS – medical waste
 - m. USEPA –through healthy hospital
 - n. HOSPAA.org
3. Haulers/Collectors
 - a. Marathon
 - b. Smurfit
 - c. Clean Source (janitorial supply back hauler)
 - d. BFI
 - e. WMI
 - f. CA Grey Bears
4. Processor/End User
 - a. RKO
 - b. ComptechPlastic Corp
 - c. Super link (exporter/bay area)
 - d. CA broker and/or processor
 - e. Kimberly Clark (OEM)
 - f. Goalson
 - g. Agri-Plas
 - h. Automotive?