

# Toxics Use Reduction Planner Continuing Education Conference

**Materials Contributing to Solid Waste:  
Packaging, Furniture and C&D Waste**

**April 25, 2018**



- Non-profit created in 2008 to help commercial / industrial facilities and institutions make better use of resources
- Education, assistance, social engagement, and The Great Exchange promote the implementation of more sustainable business practices





- JM's Custom Pharma Solutions provides a full range of tailored drug development, scale-up and manufacturing services, through pre-clinical and toxicological studies, to development and commercial manufacturing
- Products include generic APIs in a wide range of therapeutic classes such as anti-cancer, anti-rheumatic and psychiatric disorders
- 12,000 employees worldwide; 180 based in Devens

# Partnering to Divert Excess Materials for Reuse



*Corporate sustainability goals and ISO 14001 standard drive reuse and recycling activities*

**THE GREAT EXCHANGE**

# Consider the Options

- How can waste generated by daily activities be reduced?
  - Pursue opportunities internally and with suppliers
- Can unneeded materials be reused in their intended manner?
  - Internally or by another business
- How else could the “waste” be reused by others?
  - Input for the manufacturing of a different product
  - Material for arts and crafts projects
  - Maker activities or other learning opportunities

# Donate Excess Furniture

- Schools, non-profit organizations always appreciate resources
- Municipalities and local small businesses are also good outlets



One reorg: 77 items donated, \$6,200 saved, 3,200 pounds of waste prevented

# Pass the Packing Peanuts



Repurpose 30 extra large bags, 240 cubic feet, annually





# Beat of a Different Drum



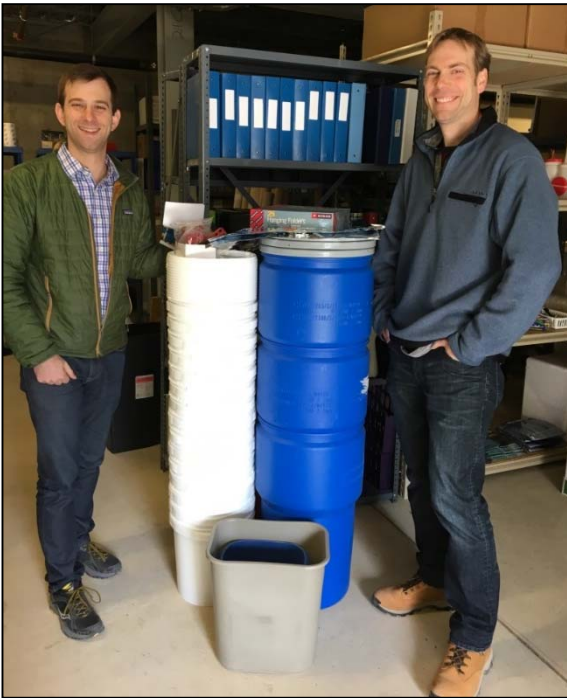
55 gallon poly drums easily repurposed into rain barrels



# Refillable Containers . . .



# Have Broad Appeal



- DPWs,
- Hazardous Waste Collections,
- Schools,
- Businesses, Watershed Associations, Individuals



# Bio-Hazard Tray – Not Hazardous



# From One Office to Another



Excess office supplies routinely donated to The Great Exchange, area schools

# Additional Reuse Activities at JM

- Donated used lab equipment to African charity
- Recycled 2.5 tons of nitrile gloves in 2 years
  - Partnered Kimberly-Clark's RightCycle
- Internal recycling of drums; first pass solvents
- Work with vendors that refurbish lab goods





# Diversion Tips

- Relationships enable and support success
- Keep it simple – local, organized, routine
- Avoid items that have liability risks
- Publicize partnerships – inspire others



## Management Buy-in and Support is Critical

- Prove the savings to management and finance to secure support
- Seek out the champions who believe in sustainability, recycling
- Use your company's environmental and sustainability programs, goals to give credence to your sustainability efforts
- When donating items, have legal team write up a Bill of Sale/Donation Receipt for equipment or goods
- Seek Purchasing department's support when considering new vendors with greener footprints



# Benefits of Diverting for Reuse

- Disposal and material cost savings
- Resource efficiencies
- Reduced landfill demands
- Employee pride, business appeal
- Funds freed for valued services
- Recognition as valued community citizen



# *Thank You*



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