

The Materials Management Group - SWAC

June 24, 2014

Content of presentation: Gypsum Wallboard

- Status of wallboard recycling
- Opportunity
- End markets
- Compliance and regulatory drivers
- Here to help
- New Facility – #10 Pullman Street– Worcester, MA



Wallboard Recycling in New England / NY / NJ

Mass: New Wallboard Recycling Plant – Worcester, Ma

NH: 3 collection points (LL&S / Errco / Bow)

ME: Haulers (Shipyard Waste)

VT: Solid Waste Districts / Suppliers

RI: RIRRC and Vinegro

CT: VRF's & Haulers getting on board (no pun)

NJ / NY: Cardella and Bayshore



New Plant / Features:

Mobile equipment

Rail access / Scale on site

Worcester, Ma – Central location – 7 Major Highways

Space for expansion and blending of materials

Opportunity meets Action

OPPORTUNITY:

- 20-30k tons of recyclable board waste in CT
- 150k tons available in New England / 250k tons NY-NJ
- Establishing a collection network
- Brand new mobile processing equipment

ACTION: Flexibility

- Focus on generators
- Incentivize haulers & processors – make it easy
- Reduce Tipping fees by increasing end market pricing
- Create consistency and market awareness
- Get Municipal Transfer stations involved (SSRC)



Strong End Markets

- End markets can easily absorb 100% of recycled gypsum in the marketplace

Standard Outlets:

- Wallboard manufacturing plants
- Portland Cement plants

Alternative – Developing Markets

- Soil Treatment
- Recycled content additive to many industrial products
- Agricultural amendments



Compliance / Regulatory Drivers

- **In Mass -Disposal Ban is now being policed**
- **DCAM – First State Agency to adopt Source Separation**
*Support from AGC and ABC
- **USGBC – Audit the LEED and c&d recycling data**
*Checks and balances
- **Architects – Wallboard Recycling in Specifications**
- **Manufacturers – Recycled content incentives**
- **Railroad owners / out of state landfills - pressure**



Here to help

- **Mixed C&D containers is the mainstay – wallboard is lost**
- **Processing facilities – sorting systems not made for wallboard**
- **Container weight example:**
 - 30yd mixed c&d rolloff: \$550 weighs 3.5 tons**
\$157 cost per ton
 - 30yd mixed rolloff minus wallboard = 1.5 tons**
\$367 cost per ton
- **Paying for disposal whether intended or not**

New Facility and Business Approach

#10 Pullman Street – Worcester, Ma 01607

- ***Mass DEP General Permit (replaces DON)***
- ***250 Tons Per Day to begin***
- ***Central to 7 major highways***
- ***Scaled facility with plenty of room to maneuver***

- ***Accepting several streams of source separated materials***
-wallboard / asphalt shingles / carpet / tires / plastics

- ***Soil Solutions – using proprietary blends to treat soils***
impacted with heavy metals and other contaminants

- ***Rail Logistics – Bring us your materials for rail transport***

- ***Waste Consulting – Let us find a market for your wastes***

- ***Alternative markets – On the hunt for new & emerging markets***



Business Partners – Local Ownership

- **Patrick Manning – Materials Management**
15 years C&D management

- **David Quelle - Soil Solutions / Waste Management**
22 years materials experience – soil treatment expert



Thank you.

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