



New Era In Recycling

Mixed Rigid Plastics (MRP)

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What is MRP



- Large & Bulky Plastics
- Non-Bottle & Non-Film
- Easy to Identify
- Easy to Sort/Bale



Benefits

Divert Rigid Plastics From The Landfills

- Improve Diversion Rate
- Cut Costs (Tipping & Transportation)
- Increase Life Of Landfill
- Boost Bottom Line



Ideal Candidate

- Municipal/C&D Material Recovery Facility (MRF)
 - Desire To Divert Plastic From Landfills
 - High Volume
 - Pick-Line
 - Storage Space
 - Baler



Acceptable Components

- Plastic Drums, Totes & Empty Garbage Cans
- Plastic Buckets With Metal Handles
- Plastic Crates (Milk & Soda Crates)
- Plastic Pallets, Shelving & Sheeting
- Lawn Furniture & Pet Carriers
- Plastic Toys & Playhouses
- Agricultural Trays/Pots



Up To Spec Bales



Grade A



Grade B

Non Acceptable Components

- Surface Dirt
- Film & Flexible Packaging
- PVC (e.g. Pipe, Fencing, Siding)
- Hazardous Material & Medical Waste
- Glass
- Metal
- Wood
- Paper



NOT Up To Spec



Pre-Sorting MRP On Tipping Floor

- Sorting MRP directly into the loader bucket allows for easy transport to bunker/roll-off until it can be processed.



Store MRP Before Baling

- A 40-yard container properly loaded will yield a bale of material.



Processing The MRP

- The roll-off container is dumped onto a pad outside of the building, inspected for proper content and then pushed onto the baler conveyor.



Baled MRP

- The plastic is then baled
- Approx 1200 lbs/bale



Storing MRP

- The bales are moved to outside storage area
- Keep bales on pallets to avoid contamination



Loading MRP On Containers

- Maximize weight:
 - Rotate bales to reduce empty space



Shipping Details

- **Price:**
 - In Direct Correlation With Market Conditions
- **Size & Weight:**
 - 38,000 - 40,000 lbs/40' High Cube Export Container
 - 1,250 – 1,400 lbs/Bale
 - Double Tie Bales If They Come Apart
- **Contamination:**
 - 5% Non-Acceptable Components



Successful Cases (C&D)

➤ **CARTS** (Fresno, CA)

➤ 8 Years Since Implementing MRP Diversion Program

➤ 4-5 Truckloads/Month

➤ Approx 1,200 Ton/Year Diverted

➤ **Mercer Group International** (Trenton, NJ)



Q & A

Have A Nice Day!



Please Recycle!