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.
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!