MATERIAL RECOVERY FACILITY

1. Trucks unload mixed recycling onto the tipping floor at the MRF. A front loader then moves the recycling onto a conveyor belt.

2. Sort line workers remove film, non-recyclable and bulky items are removed manually.

3. Cardboard is removed by a screen that uses rotating shafts with discs that propel cardboard over the top of the discs and into a holding area. Smaller objects fall through the shafts and proceed for further separation.

4. A finishing screen separates objects by dimension: two dimensional objects (paper) ride up to the top of the screen and are discharged onto a paper sorting line for further separation and three dimensional objects all through the screen.

5. Non-fiber contaminants are removed in a quality control check with manual or optical sorting by grade.

6. A magnet removes steel cans from the stream.

7. An eddy-current separator repels the aluminum cans and toll from the conveyor.

8. Glass bottles and jars are screened out and shattered by steel discs, their shards falling below.

9. An optical or manual sorter separates plastics by resin code (type).

10. The crushed cans, broken glass and bales of aluminum and plastic are all sent to manufacturers as raw materials.