

# Opportunities and Barriers to Resource Recovery and Recycling from Shredder Residue in North America

- There are approximately 15 mn. automobiles recycled in the US, generating 5-7 million tons of automotive SR annually.
- It costs shredder operators upwards of \$14 - \$35 per ton to dispose of SR in a landfill.
- This is an expense of over \$250 million./yr. borne by the scrap metal industry.
- Not accounted for in this estimate, are the environmental costs of landfills which are not easily quantifiable.

## Objectives

- Explore applicability of proven technology to recycle shredder residue in North America.
- Why aren't we recycling shredder residue today?
  - Costs of recycling vs. disposal
  - Lack of clear guidelines around PCB legislation / Toxic Substances Control Act
  - Economics of recycling operations.
- Strategic recommendations to the metals recycling industry.

## Typical Auto Shredder Output

(Based on 2012 North American Industry Estimates)

