

**DTSC Metal Shredder Residue
Public Meeting
January 23, 2014**

**Adopted New Air District
Rule 6-4: Metal Recycling &
Shredding Operations**

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BAY AREA
AIR QUALITY
MANAGEMENT
DISTRICT

Two New Adopted Rules

- **Rule 12-13: Foundries and Forges**
 - Affects 5 facilities
- **Rule 6-4: Metal Recycling Operations**
 - Affects 3 facilities
- **Adopted May 1, 2013**



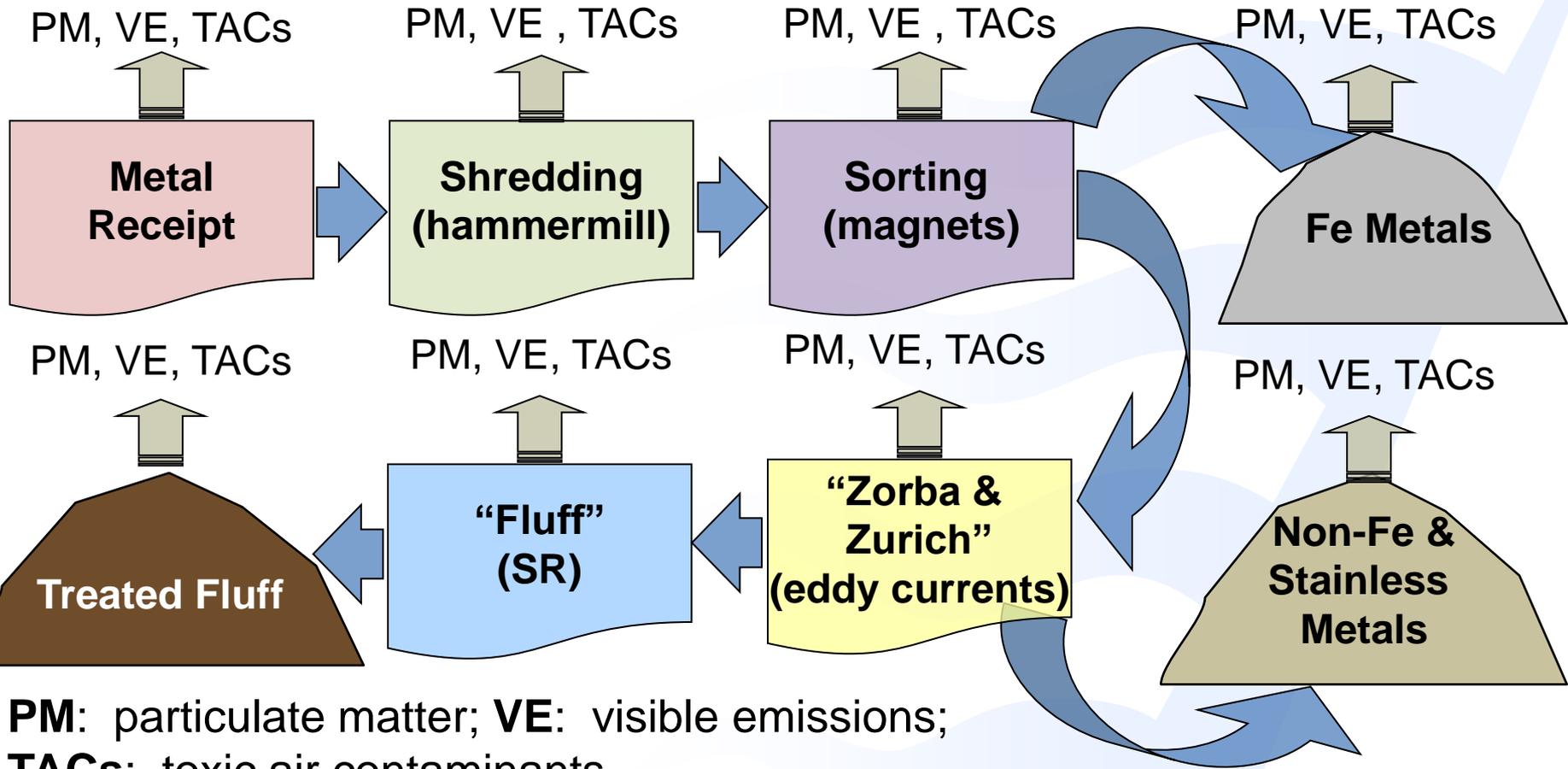


Metal Recycling & Shredding

- **Scrap Metal Recycling**
 - Collection, shredding and sorting of metals
 - Numerous facilities in the Bay Area
 - 3 major operations
- **Emissions**
 - Particulate matter (including toxic metals)
 - Visible emissions
 - Toxic compounds
- **Nuisance Complaints**



Recycling Steps & Emissions



PM: particulate matter; **VE:** visible emissions;
TACs: toxic air contaminants



Scrap Receipt



Metal Management / Storage



Shredding



Shredder Residue “Fluff”



Emissions Controls



Why Were Rules Needed?

- **Stack Emissions**
 - Addressed through existing emissions limits
 - Variety of controls
- **Fugitives**
 - Majority of emissions
 - Not adequately controlled
 - Potential for local impacts
 - Addressed best through Plans

*Adopted Rule
Addresses
Fugitive Emissions*



Two Adopted Rules

- **Rule 12-13: Foundries and Forges**
- **Rule 6-4: Metal Recycling Operations**
- **Emissions Minimization Plans (EMP)**
- **Plan Approach Is Balanced**
 - Focus on Fugitive Emissions
 - Developed by facility
 - Public input / comment
 - District review and approval
 - Periodic Review / Continuous Improvement



Rule 6-4

- **EMPs Address Metal Recycling Operations:**
 - Trafficked Surfaces
 - Metal Management
 - Shredder Residue Management
 - Depollution Operations



Metal Recycling & Shredding

Affected Facilities:

- Schnitzer Steel (Oakland)
- Sims Metal Management (Redwood City)
- Sims Metal Management (Richmond)
- Smaller facilities must keep records
 - Less than 50,000 tons or
 - No shredded residue

Emissions Reductions

- Fugitive emissions reductions of PM & odors will vary by facility
- Continuous Improvement via on-going facility assessments & Plan updates
- Benefits Community, Industry, District
 - Reduced health risks
 - Less odors
 - Fewer Complaints



Summary

- Focus on Fugitive Emissions
 - Fugitives at least 65 percent of emissions
 - Stack emissions adequately addressed
- Plans tailored to complex & unique facilities
 - Each facility develop plans for improvement
- Transparent process for plan review & approval
- Continuous improvement thru periodic updates





Contact Information

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