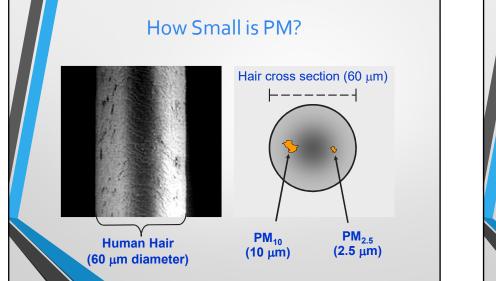


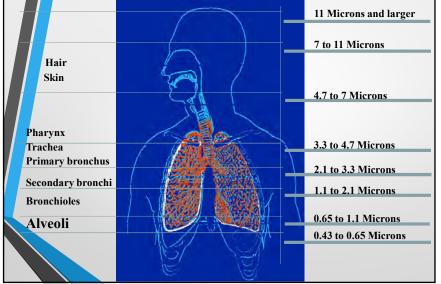


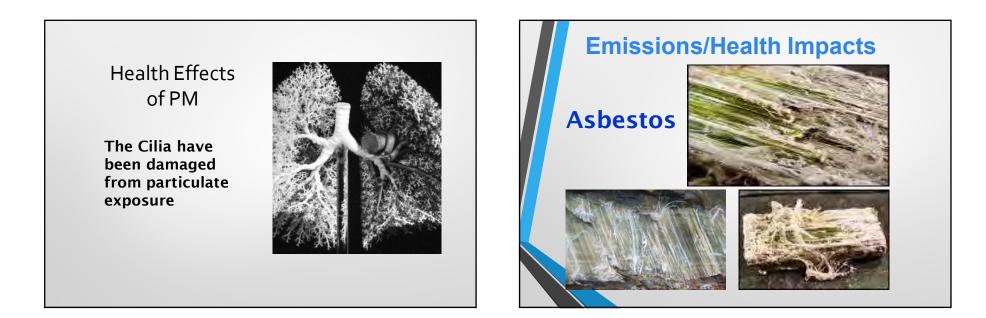


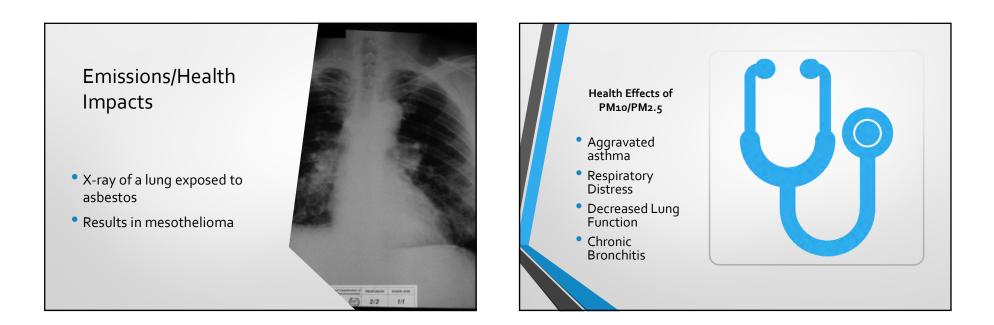
Emissions from Nonmetallic Mining in California (tons/day)

| Total Organic Gases (TOG) | 0.22 |
|------------------------------------|-------|
| Reactive Organic Gases (ROG) | 0.15 |
| Carbon Monoxide (CO ₂) | 0.05 |
| Oxides of Nitrogen (NOx) | 0.10 |
| Oxides of Sulfur (SOx) | 0.01 |
| Total Particulate Matter (PM) | 25.19 |
| Particulate Matter PM10 | 11.73 |
| Particulate Matter PM2.5 | 4.46 |



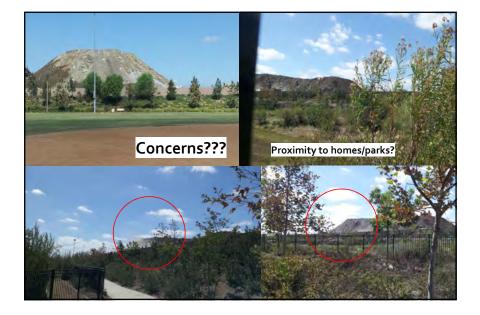






































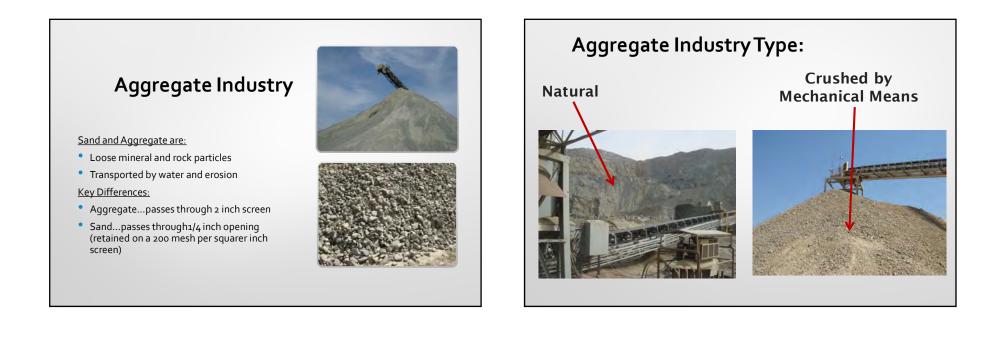


Aggregate Industry

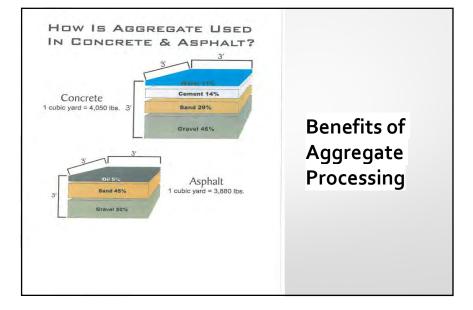
•<u>Definition of Natural</u> <u>Aggregate:</u>

•A material composed of rock fragments (sand, gravel, and crushed stone) that may be used in its natural state or crushed, washed and sized.





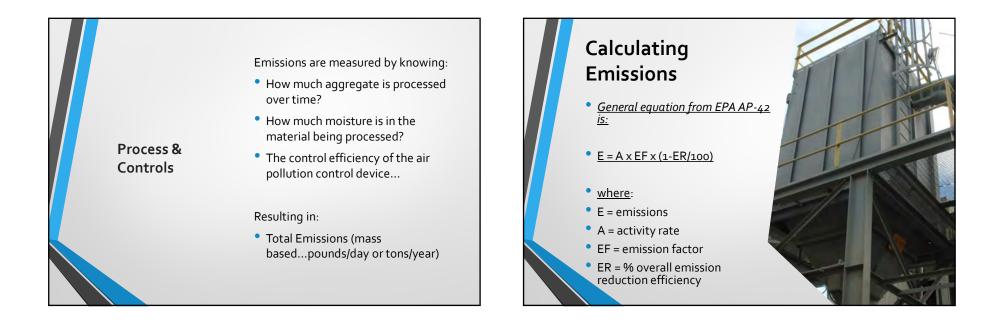


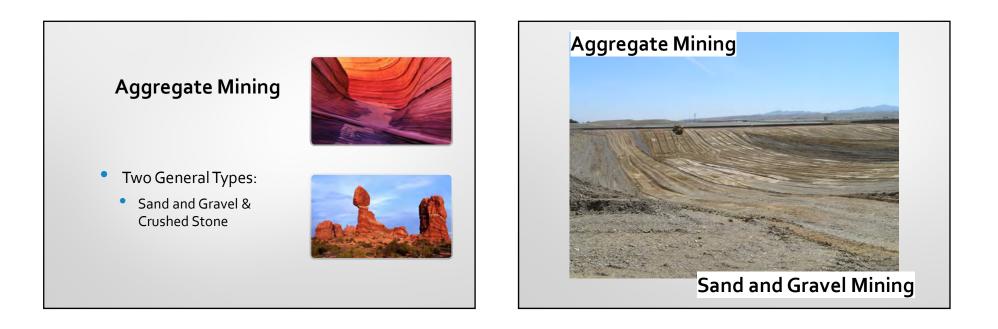




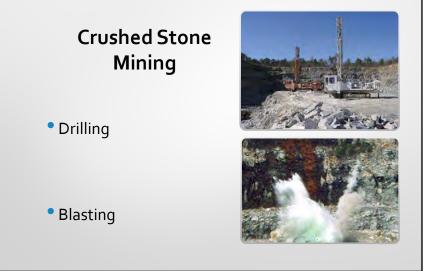














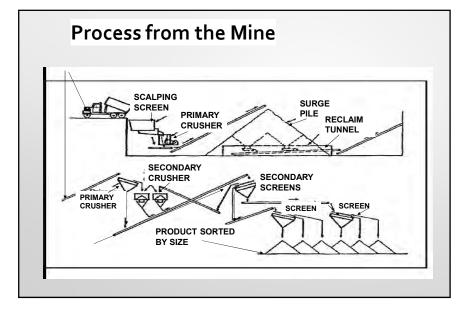
- Associated with quartz or volcanic deposits
- Metals include nickel, cadmium and antimony
- Become airborne during blasting or crushing
- Questionable sources should be sampled for presence of heavy metals

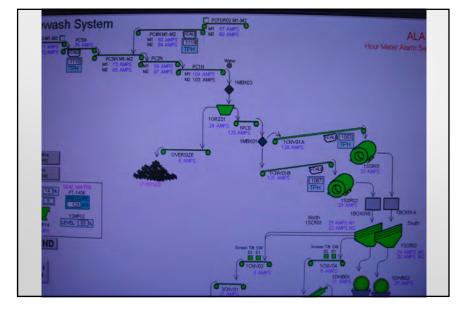
Heavy Metals

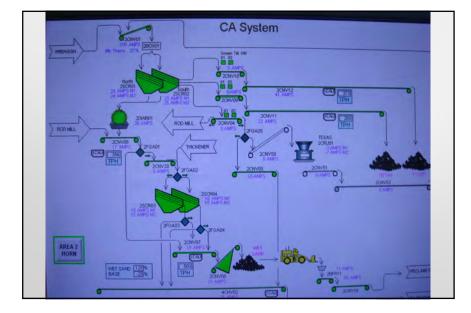
A NEW York Control of the New

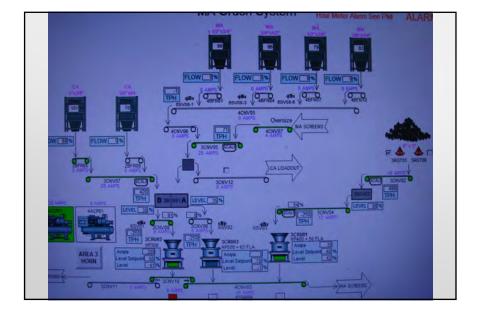


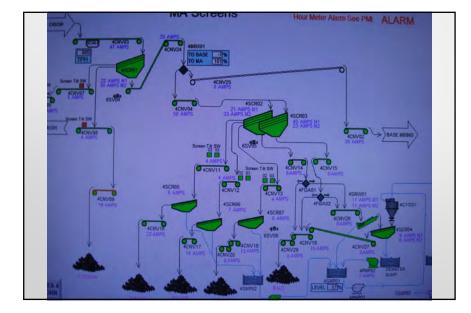
















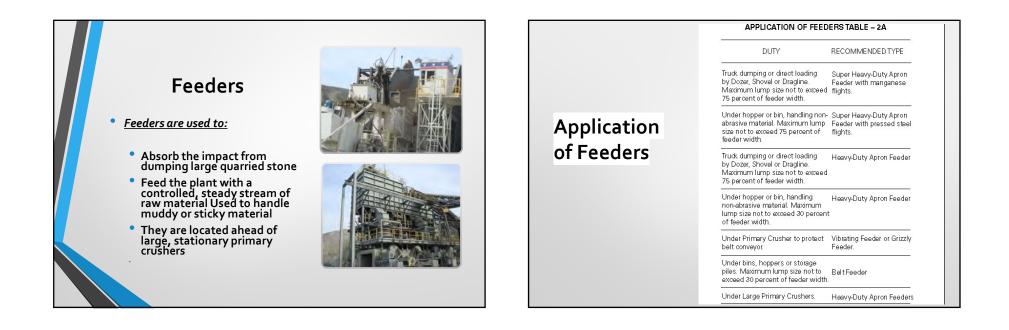


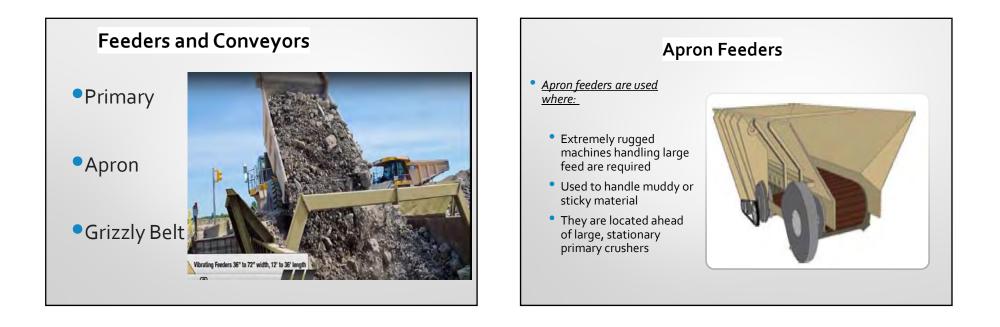


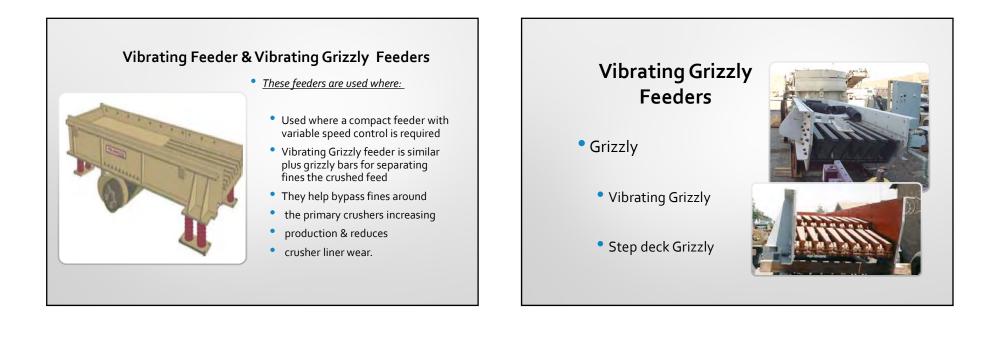








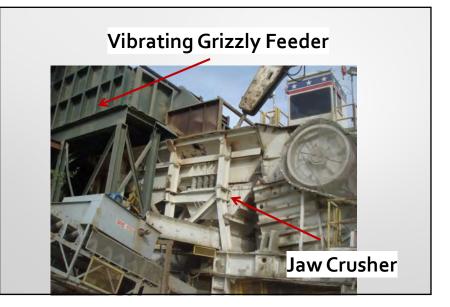










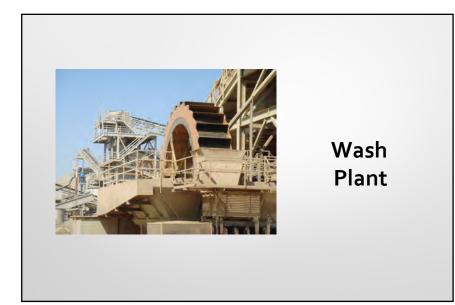










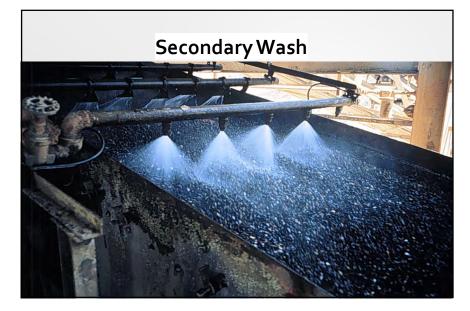








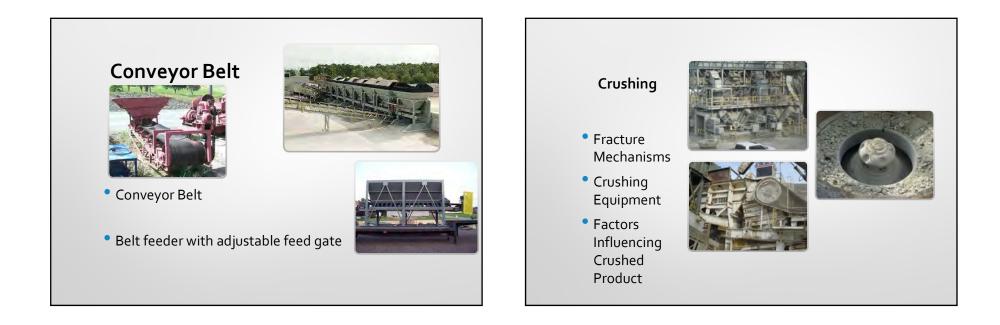


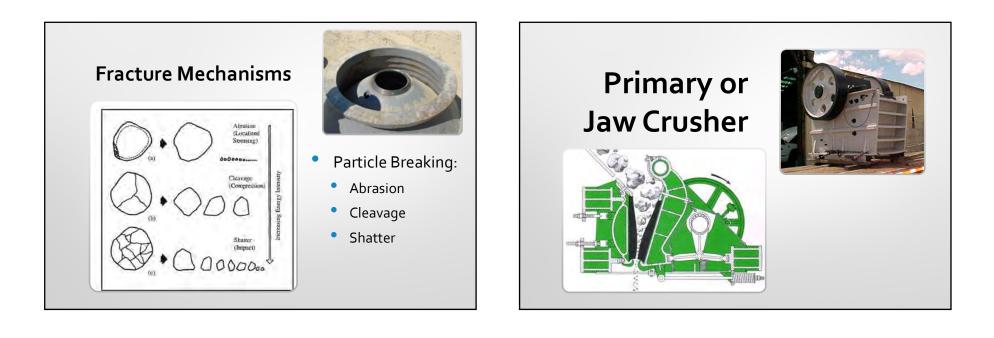


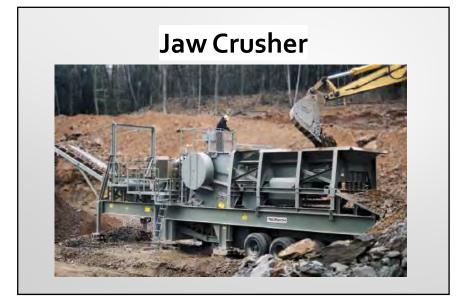


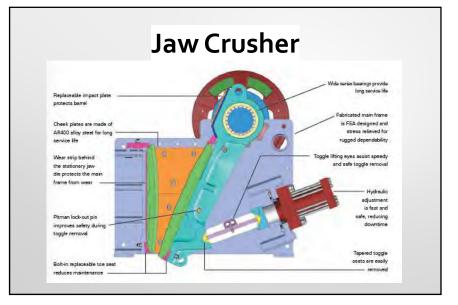


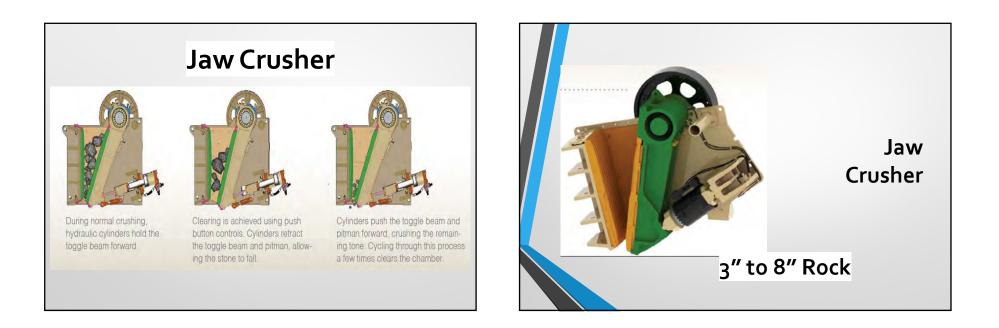


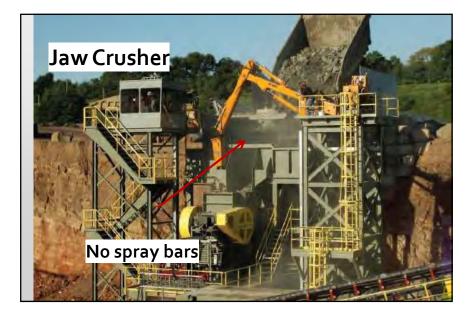






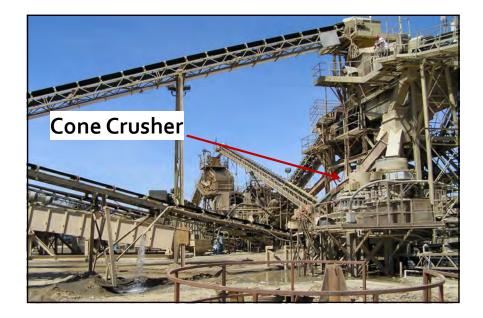


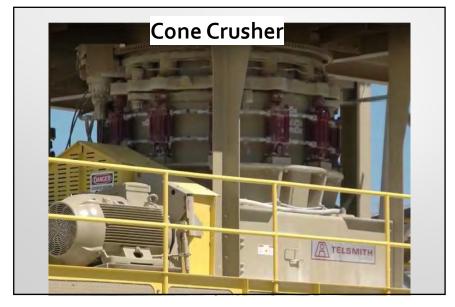




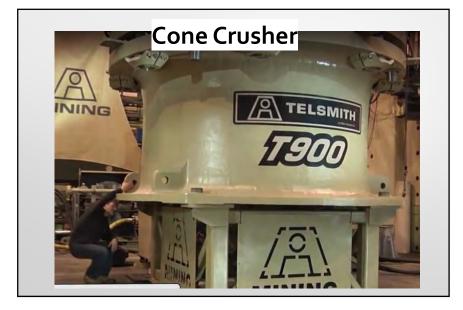




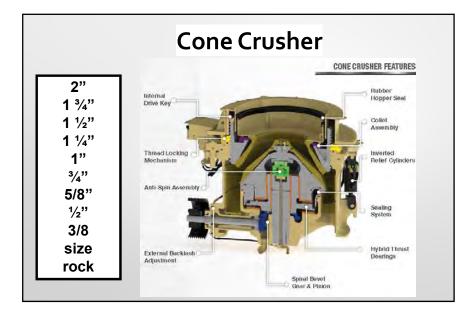


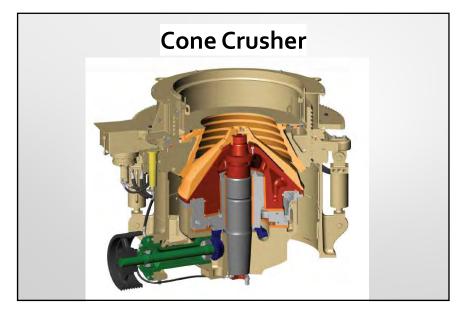


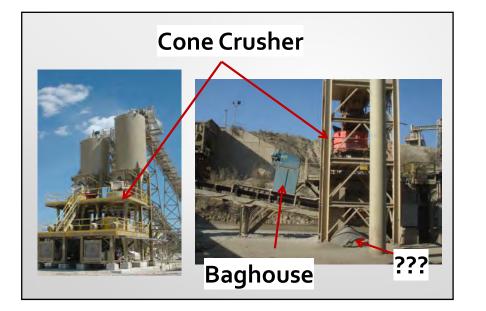


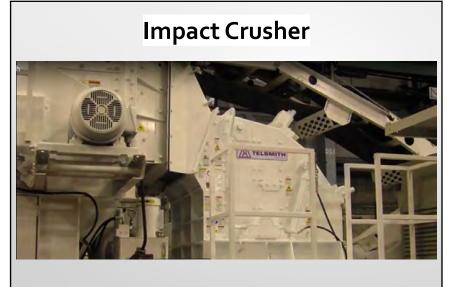


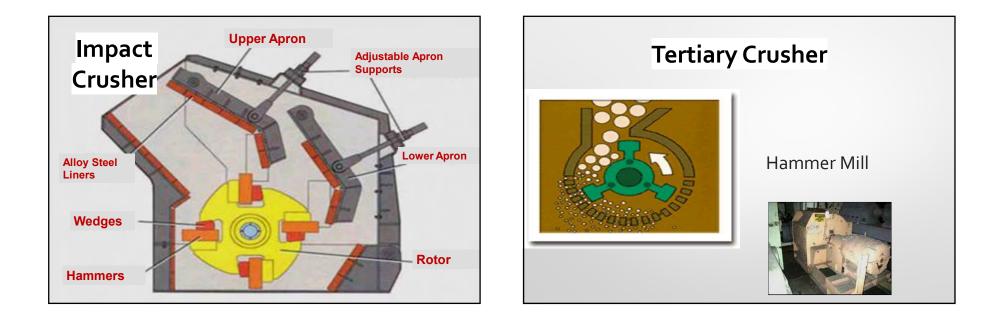


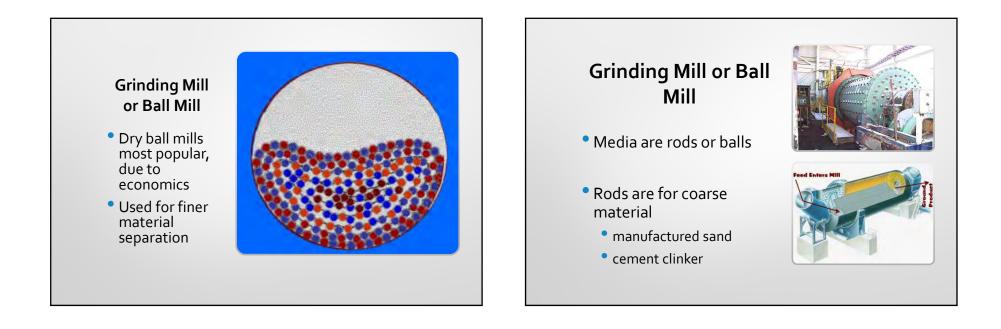




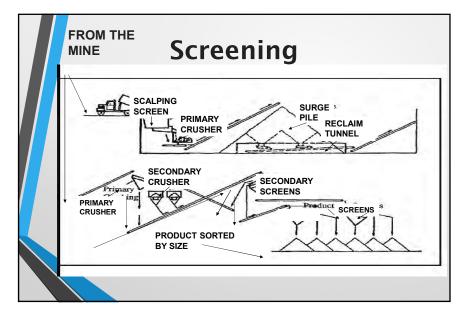










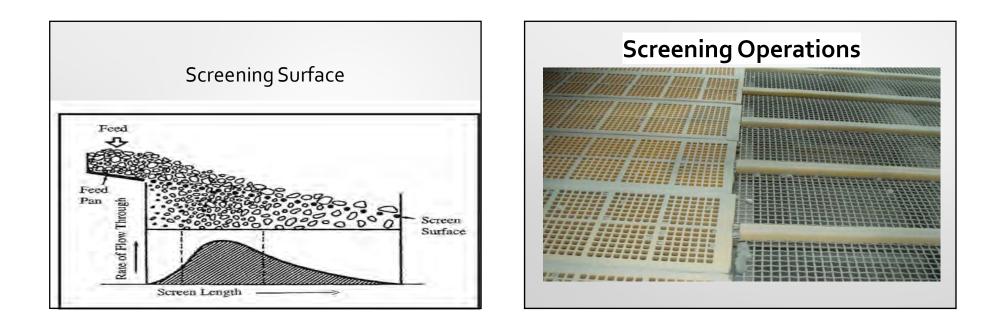


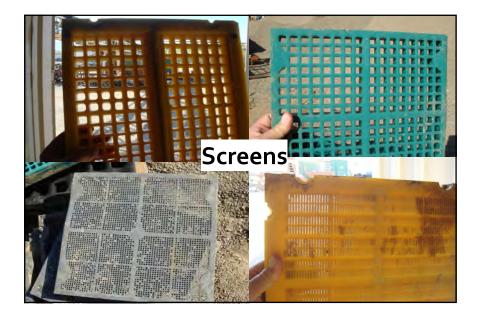














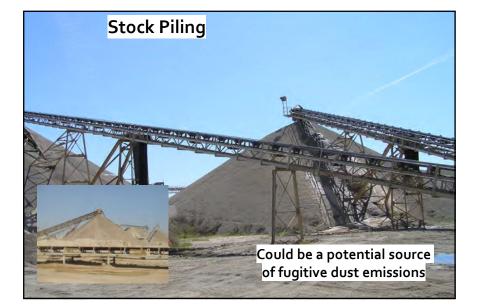




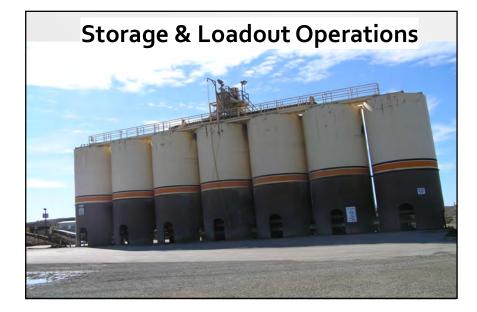




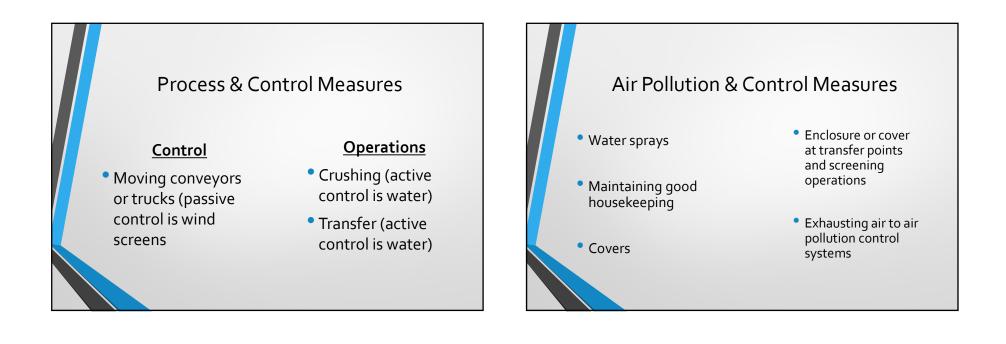










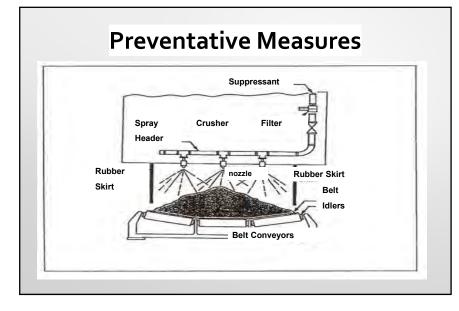




- Wet suppression
- Stabilization of unpaved surfaces
- Minimizing drop height
- Paved surfaces cleaning
- Work practices
- Housekeeping









Dry Collection Systems



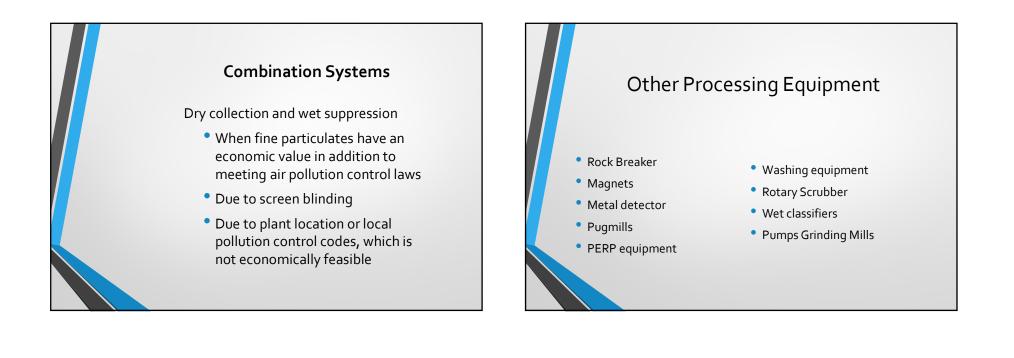
Baghouses are regulated in terms of:

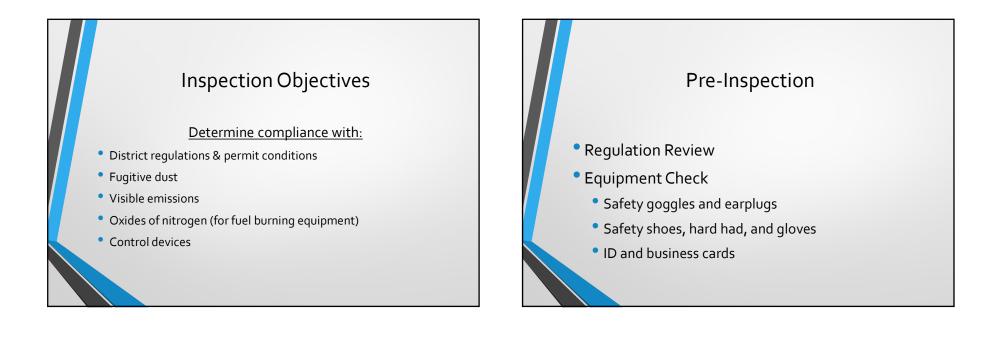
· Grains/cubic foot or air emitted (gr./dscf)

· Pounds/Ton of Aggregate produced

· Opacity







Pre-Inspection File Review

- 1. Permit application
- 2. Approved permit
- 3. Equipment
- Permit condition for each unit
- 5. Previous inspection reports

- 6. NTC/NOV
- 7. Compliance action
- 8. Complaints
- **9.** Variance history
- **10**. Abatement orders
- **11**. Date of last source test

Pre - Entry & Entry

- Observe the site
 - Note odors or visible emissions
 - Size and layout
 - Environmental demeanor
- ID potential problem areas
- Enter through normal public access
- Introduce yourself, ask to see contact listed in file, & present business card



