

# ***RECYCLING OF BAG-HOUSE DUST FROM FOUNDRY SAND THROUGH CHEMICAL AND PHYSICAL BENEFICIATION***

- **Project Goal:** Recycle dust from foundry sand
- **Objectives:**
  - **Characterization-** what is useful what is not
  - **Liberation and Separation**
  - **Application-** what to do with products

## **Variables and ranges studied:**

**Reagent quantity:** 150-500g/t

**Slurry solids concentration:** 4-8wt%

**Attrition duration:** 5-15 minutes

**Dispersant used**

- **Applications for Hydrocyclone products**
  - **Assess mold characteristics with recycled material**
  - **New applications investigation for silica fines**
    - **Cement, Glass, Ceramics**
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