

# **Full-Service Resource Recovery at Agmet**

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**Recycling Metals from Industrial Waste**

**A Short Course and Workshop**

**With Emphasis on Plant Practice**

**June 25 - 27, 2013**

**Sponsored by the Colorado School of  
Mines**

**Office of Continuing Education**

# About Agmet, LLC

- Leading Recycler of Metal-Bearing Industrial Products in North America
- Two Plants in the Midwest – Offices in CA and FL
- Part of the Glencore Xstrata Global Network of Organizations
- Committed to the Recycle 100 Philosophy
- Proprietary Processes that don't generate By-Products, Residues, or Wastes
- Invested in Technical Solutions to Enhance Value



# Industries Served

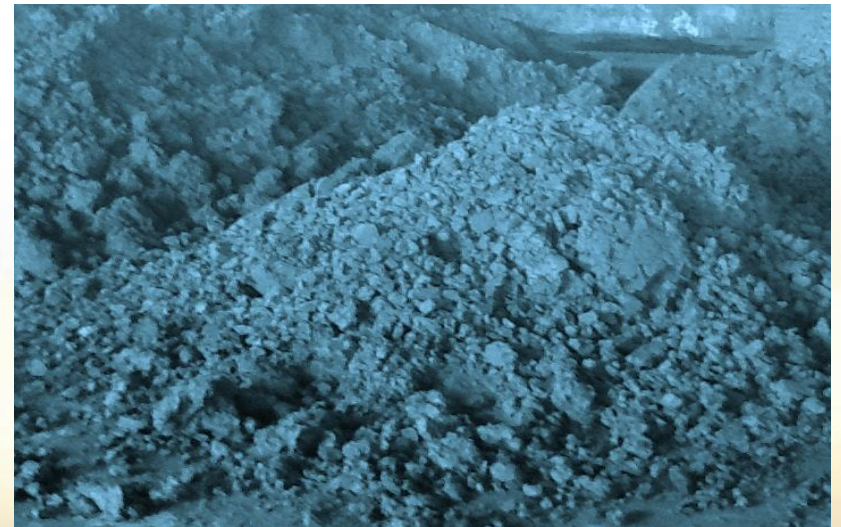
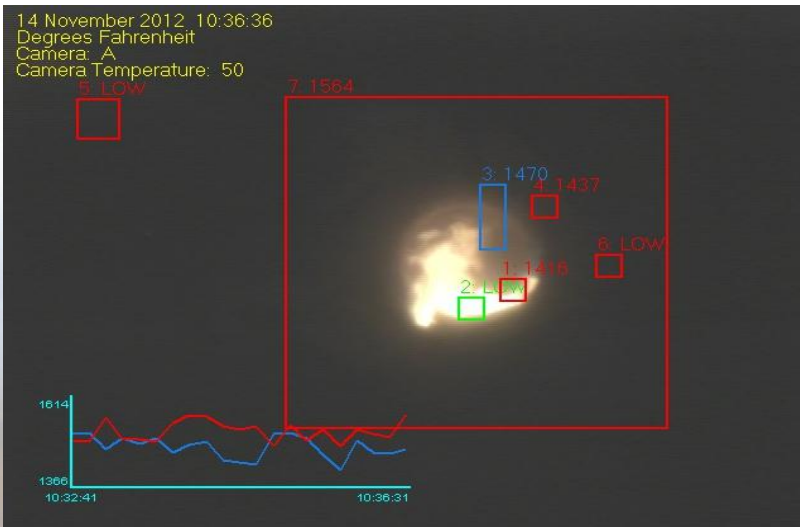


# Agmet Capabilities

- Process Both Metal-Bearing Solids and Solutions
- Major Processes are Calcining and Pelletizing
- Solution Storage for Formulation of Specialty Products
- Comprehensive Service including Material Assessment and Logistics
- Full Service Laboratory Facility
- Technical Expertise for Maximizing Value to Generator
- Regulatory Expertise



# Concepts and Technology



# About Glencore Xstrata

- One of the Largest Global Diversified Natural Resource Companies
- 90 Offices in over 50 Countries
- 150 Mining and Metallurgical Operations
- Offshore Oil Production Assets, Farms, and Agricultural Facilities
- 190,000 People
- Supply Chain that goes Full Circle

# Sustainability In Industry

- Corporate Social Responsibility
- Stakeholders Demands on Corporations
- Balance Economic Development with Social and Environmental Concerns
- Stewardship of Resources



# Sustainability in Metal Industries

- Metals Industry ahead of the Drive for Sustainability
- Aluminum and Steel were the First
- Current Recycling Rates
- Water Use in Manufacturing
- Energy Optimization and BTUs from Waste
- Cost Competitiveness of Different Processes
- Reengineer Systems with Better Recovery of Individual Metals as a Goal



# Recycle 100 Philosophy

- Goal is to Convert All Materials into Products
- Recycle Packaging
- Consolidate shipment to Reduce Packaging
- Recycle Ancillary Materials
- Engineer more Efficient Client Processes
- Recycle of Nonmetal Materials

# Sustainability Supply Chain

## Agmet - Xstrata - Glencore

- Proximity of Facilities and Operations
- Logistical Optimization
- Consolidation of Classes of Raw Materials
- Qualification, Classification, and Sampling Protocol Optimization
- Formulations for Specific Purposes
- Leverage Customer Relationships



## Repurposing Metals. Improving Earth.

All actions have consequences. Simple enough to understand, it is a fact that's often overlooked. But at Agmet, we are deeply aware of this. The steps we take to recycle and repurpose materials back into valuable commercial products help companies achieve *environmental stewardship* and *lessen their footprint on the earth*. Agmet's Recycle 100 Philosophy leads to better business, improved lives and a healthier earth.

That's the AGMET effect.