TMS 2011
140th Annual Meeting & Exhibition

February 27 to March 3, 2011
San Diego Convention Center • San Diego, California USA

Proper Anode Baking Furnace Operation – How and Why

Sunday, February 27, 8:30 a.m. to 4:00 p.m.

Overview

Proper anode baking is essential for optimum potroom operations. If anodes are not baked properly, negative consequences such as dusting, cracking, airburning, and soft butts will occur. This course will teach how open top ring furnace(s) should be operated to bake anodes properly and avoid these potential issues while minimizing fuel consumption. In addition, attendees will develop a basic understanding of the principles behind proper operations. Ever wondered about the difference between the preheating and baking sections? How to eliminate smoking flues? How to minimize operating costs and maximize furnace life? What the proper flue gas temperature targets should be? What the proper amount of furnace draft should be? These questions and many, many more will be answered during the lecture and discussion sessions of this course.

Who should attend?

The course is directed toward plant managers, anode area managers, process engineers, technical managers, and baking furnace supervisors.

Topics

- Introduction
- Packing
- Sealing
- Firing
- Draft Control
- Baked Anode Cooling
- Unpacking Baked Anodes
- Opacity/Smoking Flues
- Holding a Fire
- Firing the Crossover

Speakers

Euel Cutshall, Anode Consultant for the Aluminum Industry, Euel Cutshall Consulting, Alabama, USA

How to Register

Register by February 4, 2011 using the online registration form. Cost is $475 for members and $560 for nonmembers.

For More Information

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Euel Cutshall