



FOUNDRY ENVIRONMENTAL 101 SEMINAR

Feb 22-23, 2017

Crown Plaza, Atlanta Airport, Atlanta GA

Seminar Objective:

To provide a basic understanding of environmental issues and concerns encountered by individuals with environmental responsibilities in a metal casting facility on a day to day basis. This will include practical level instruction on routine compliance activities, permitting, reporting, record keeping, testing, pollution control and environmental management systems.

Wednesday, Feb 22, 2017

7:30 am **Registration**

8:00-8:15 am **Welcome and Introductions**

8:15-9:00 am **Session 1: Environmental Management: *What is it and why should I care?***

Tonya Burgess; Sivyer Steel, Bettendorf, IA

- Overview of Metalcasting Environmental Issues that an Environmental Manager Will Face
 - Air, Waste, Water (Process & Storm Water), EPCRA, TSCA, Radiation
- Environmental Impacts of Foundry Processes / Material Flows
 - Showing Inputs & Outputs Including Environmental Impacts
- Overview-Major Laws and Regulations Affecting Foundries
- Overview-Environmental Management Systems
- Overview-Online Reference Resources
 - RCRA Online, ecarcenter.org, State Sites, AFS Resources
- Common Environmental Acronyms

9:00-10:15 am **Session 2: Waste Management**

Dan Oman, Haley & Aldrich, Ann Arbor, MI; Bryant Esch, Waupaca Foundry Inc, Waupaca, WI

- Waste Management Laws
- Waste Management Regulations
- Identification and Classification of Foundry Wastes
- Testing/Point of Generation/Baghouse Dusts
- Waste Generator Requirements
 - Storage and Accumulation, Labeling
 - Containers, Emergency Response, Planning, Training,
 - Waste Minimization & Shipment
- Management of Other Wastes
 - Oily Wastes, Empty Containers, Aerosol Cans, Contaminated Wipes/Rags, Universal Waste,
 - Other Non-Hazardous Foundry Process Wastes
- Recordkeeping & Reporting

10:15-10:30am **BREAK**

10:30-12:00 pm **Session 2: Waste Management (concluded)**

12:00-1:00 pm **LUNCH**

1:00-2:15 pm **Session 3: Air Quality**

Tom Rarick, ERM Inc, Indianapolis IN; Jeet Radia, McWane Inc, Birmingham, AL; Craig Schmeisser, Haley & Aldrich, Dublin, OH

- The Clean Air Act
- Review of Basic Terms and Concepts
- Basic Emission Estimation Techniques
- Air Permitting
 - Construction Permits, Operating Permits
 - Major/Minor Sources, PSD/NSR Avoidance Concepts

2:15-2:30 pm **BREAK**

2:30-4:00 pm **Session 3: Air Quality (concluded)**

- NESHAPs – Applicable MACT and GACT Requirements Review
- Stack Testing Basics – What You Need to Know
- Air Dispersion Modeling Basics
 - Air Pollution Control Systems Commonly Used in Foundries; Common Problems and Solutions
- Neighborhood Issues Commonly Encountered by Foundries;
 - Rust Spotting, Odors
- Road to Success: Air Professionals Top 10

4:00-4:30 pm **Day 1 Wrap-up / Ask the Experts**

Thursday, Feb 23, 2017

8:00-10:00 am **Session 4: Water Quality- Laws, Regulations**

Mack Overton, Keramida, Inc, Indianapolis, IN

- Introduction to the Clean Water Act
 - Structure of the Act, Definition of Waters or the US
 - Use Designations, Water Quality Criteria, Use Impairments
 - Anti-degradation, Technology Based vs Water Quality Based
 - Effluent Limits
- Types of Permits:
 - Section 402 - Wastewater, Stormwater
 - Indirect Discharge- Industrial Pretreatment
 - Section 404
- Foundry Specific Technology Based (Categorical) Limitations
- Monitoring and Reporting Overview
- Common Compliance Pitfalls

10:00-10:15 am **BREAK**

10:15-11:15 pm **Session 5: Stormwater Management**

Larry Bowers, McWane, Inc, Anniston, AL

- Introduction to the EPA Stormwater Management Program
 - Applicability and Relationship to State Permits
 - SWPPP Development (Introduction to AFS Template)
 - Non-numeric Technology Based Effluent Limits
 - Benchmark Monitoring
 - Visual Evaluations
 - Routine and Comprehensive Inspections
 - Corrective Actions and the Iterative Process
- State Permit Variability
- Foundry Specific Opportunities and Challenges
- Overview of Common Administrative BMPs
- Overview of Available Structural controls (Treatment)
- Common Compliance Pitfalls

11:30a-12:30 pm **LUNCH**

12:30-3:30 pm **Session 6: Other Environmental Requirements**

6A. Major Regulations for Metalcasters

Keith Gwin, ACIPCO, Birmingham, AL

- Laws and Regulations Affecting Foundries:
 - CERCLA, SARA, EPCRA, TSCA, HMTA/DOT, FIFRA
- Asbestos Requirements
- Pesticides; Radiation
- PCB Requirements
- Testing

6B. Spill Prevention, Control & Countermeasure (SPCC) Plans

Jim Schifo, Keramida, Inc, Indianapolis, IN

- Who is Subject to it? What are the Requirements?
- What Do You Have to Do when you are Subject to SPCC?
- Common Compliance Issues

6C. Beneficial Reuse and Recycling

Mike Lenahan, Fairmount Santrol, Benton Harbor, MI

6D. Management Issues

Mark Remlinger, Matthews Int'l Corp, Pittsburgh, PA

- Recordkeeping & Reporting
- Training Requirements
- How to Prepare for an Inspection (OSHA, EPA, State, etc.)
- Community Relations

3:30-4:00 pm **Wrap-up / Ask the Experts**

- Question and Answer Period.

4:00 pm **Seminar Ends**