

# AFS FOUNDRY ENVIRONMENTAL 101 SEMINAR

Oct 29-30, 2017

Birmingham, AL

*(held in conjunction with the AFS Environmental Health and Safety Conference)*

## Seminar Objective:

To provide a basic understanding of environmental issues and concerns encountered by individuals with environmental responsibilities in a metalcasting 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.

### **Session 1: Environmental Management: What Is It and Why Should I Care?**

- Overview of Metalcasting Environmental Issues an Environmental Manager Will Face
- Environmental Impacts of Metalcasting Processes/Material Flows
- Overview of Major Laws and Regulations Affecting Foundries
- Overview of Environmental Management Systems

### **Session 2: Waste Management**

- Waste Management Regulations
- Identification and Classification of Foundry Wastes
- Testing/Point of Generation/Baghouse Dusts
- Waste Generator Requirements
  - Management of Other Wastes (Oily Wastes, Empty Containers, Aerosol Cans, Contaminated Wipes/Rags, Universal Waste etc.)
- Recordkeeping & Reporting

### **Session 3: Air Quality**

- The Clean Air Act
- Review of Basic Terms and Concepts
- Basic Emission Estimation Techniques
- Air Permitting
- NESHAPs—Applicable MACT and GACT Requirements Review
- Stack Testing Basics—What You Need to Know
- Air Dispersion Modeling Basics
- Road to Success: Air Professionals Top 10

### **Session 4: Water Quality- Laws, Regulations**

- Introduction to the Clean Water Act
- Types of Permits (Wastewater, Stormwater, Indirect Discharge, Industrial Pretreatment etc.)
- Metalcasting Specific Technology-Based (Categorical) Limitations
- Monitoring and Reporting Overview
- Common Compliance Pitfalls

### **Session 5: Stormwater Management**

- Introduction to the EPA Stormwater Management Program
- State Permit Variability
- Metalcasting Specific Opportunities and Challenges
- Overview of Common Administrative BMPs
- Overview of Available Structural Controls (Treatment)
- Common Compliance Pitfalls

## **Session 6: Other Environmental Requirements**

### **6A. Major Regulations for Metalcasters**

- Laws and Regulations Affecting Foundries:
- Asbestos Requirements
- Pesticides, Radiation
- PCB Requirements
- Testing

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

- 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**

#### **6D. Management Issues**

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