



2019 ADVANCED FOUNDRY WASTE & BYPRODUCTS SEMINAR

Register online at:

www.afsinc.org/2019AdvancedFoundryWasteandByproductsSeminar

REGISTRATION FEES:

- AFS Member \$600
- Non-AFS Member \$900

Name _____

Title _____

Company _____

Address _____ City/State/Zip _____

Phone _____ Fax _____

E-mail _____

AFS Membership# _____

Payment:

- American Express
- MasterCard
- VISA
- Check enclosed

Card Number _____ CV# _____ Expiration Date _____

Authorized Signature _____

RETURN FORM TO:

American Foundry Society
35169 Eagle Way, Chicago, IL 60678-1351
Tel: 800-537-4237 Fax: 847-824-7848

CONFERENCE CANCELLATIONS AND SUBSTITUTIONS:

Substitutions will be accepted anytime. However, cancellations of confirmed registrants with full refund of fees will not be accepted unless received at least two weeks prior to the conference date. In the unlikely event the conference is cancelled for any reason, AFS liability is limited to the return of the registration fee.

CONFERENCE PHOTO POLICY:

Registration for the conference implies consent that pictures, video or audio recording taken during AFS and AFS-related events can be used for conference coverage and promotional purposes. AFS is able to use your likeness without remuneration.

HOTEL INFORMATION:

Radisson Hotel Schaumburg
1998 N. Roselle Road, Schaumburg, IL 60195

HOTEL RESERVATIONS:

To reserve a room, call 847-885-0101 and ask for the American Foundry Society's negotiated corporate rate using the id code 66592. To reserve a room online, go to www.radisson.com/Schaumburg/Illinois and enter the id code 66592. Room rate—\$89.00/night. The hotel's check-in time is 3 p.m. Check-in prior to the hotel's published check-in times are subject to availability. Room assignments prior to this time are on a space-available basis. Check-out time is noon. The Radisson offers a complimentary shuttle to and from the O'hare airport. A reservation must be made in advance to use this service. To make a reservation, please call the Schaumburg radisson at 847-885-0101

HOTEL CANCELLATIONS:

Cancellation of an existing reservation, must be done by 4 p.m. the day prior to your planned arrival to avoid charges.

TAX DEDUCTION OF EXPENSES:

An income tax deduction is allowed for expenses of education, including registration fee, travel, meals and lodging, undertaken to maintain and improve professional skills (see U.S. Treasury Regulation 1.162.5).



2019 ADVANCED FOUNDRY WASTE & BYPRODUCTS SEMINAR

AFS Headquarters
Schaumburg, IL
February 19 - 20, 2019

1695 N. Penny Ln.
Schaumburg, IL 60173-4555
Tel: 847-824-0181 • 800-537-4237
Fax: 847-824-7848 • www.afsinc.org





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AFS Headquarters
Schaumburg, IL | February 19 - 20, 2019

Management of foundry process solid wastes and industrial byproducts can be one of the most significant environmental costs facing metalcasters today. In addition to the high cost of management, metalcasters face significant regulatory and environmental liability if these materials are improperly characterized and/or mismanaged. Seminar attendees will learn how to properly identify and characterize their foundry process solid (hazardous and non-hazardous) wastes and byproducts. They will also learn how these materials are regulated and options for proper management of both wastes and byproducts. In addition to classroom instruction, the seminar includes hands-on class exercises where participants can interact with seminar attendees and instructors to work through real-world foundry waste and byproduct management issues.

Register online today at:

www.afsinc.org/2019AdvancedFoundryWasteandByproductsSeminar

TUESDAY, FEBRUARY 19, 2019

7:15 – 8 a.m.	REGISTRATION/ CONTINENTAL BREAKFAST
8 – 8:05 a.m.	WELCOME AND INTRODUCTIONS
8:05 – 08:35 a.m.	I. REGULATORY OVERVIEW & SOURCES OF INFORMATION Jeff Hannapel <i>The Policy Group Washington, D.C.</i> <ul style="list-style-type: none"> • Resource Conservation & Recovery Act • Federal Hazardous Waste Regulations • State Hazardous Waste Regulations • State Solid Waste Regulations • State Beneficial Use Regulations • Sources of Information <ul style="list-style-type: none"> o Regulations o EPA Website RCRA Online o Others
8:35 – 9:05 a.m.	II. NEW REGULATORY HOT TOPICS Jeff Hannapel <ul style="list-style-type: none"> • Update on Definition of Solid Waste • Hazardous Waste Improvement Rule

9:05 – 10 a.m.	III. IDENTIFICATION & CHARACTERIZATION OF FOUNDRY WASTE & BYPRODUCTS Larry Bowers <i>McWane, Inc. Birmingham, AL</i> <ul style="list-style-type: none"> • Waste Identification <ul style="list-style-type: none"> o Process Flow Diagram o Point of Generation o Quantification o Typical Foundry Process Wastes/Byproducts • Waste Characterization <ul style="list-style-type: none"> o Definition of Solid Waste o Listed Hazardous Waste o Characteristic Hazardous Waste o Non-Hazardous Waste o Byproducts
10 – 10:15 a.m.	BREAK
10:15 – 11 a.m.	III. IDENTIFICATION & CHARACTERIZATION OF FOUNDRY WASTE & BYPRODUCTS (continued) Larry Bowers <ul style="list-style-type: none"> • Waste Testing <ul style="list-style-type: none"> o Compositional Analyses o Leaching Tests

11 a.m. – Noon

- o Physical Tests
- Recordkeeping
 - o Waste Summary Table
 - o Laboratory Reports

CLASS EXERCISE
Larry Bowers

Noon – 1 p.m.

LUNCH

1 – 2:30 p.m.

- IV. WASTE/BYPRODUCT
MANAGEMENT &
STORAGE/SHIPMENT**
Bryant Esch
Waupaca Foundry, Inc. | Waupaca, WI
- Satellite Accumulation
 - Storage (tanks and containers)
 - Labeling and Recordkeeping
 - Preparation for Transportation (hazardous and nonhazardous)
 - Manifest Requirements
 - Best Management Practices

2:30 – 2:45 p.m.

BREAK

2:45 – 3:45 p.m.

- V. GENERATOR TREATMENT**
Dan Oman
Haley & Aldrich, Inc. | Stephens City, VA
- Treatment Exemptions
 - o Totally Enclosed Treatment
 - o Elementary Neutralization
 - o Wastewater Treatment
 - o Treatment in Accumulation Tanks and Containers
 - o Treatment Prior to the Point of Generation
 - o Implications of Land Disposal Restrictions (LDRs)

3:45 – 4:45 p.m.

CLASS EXERCISE
Dan Oman, Larry Bowers,
& Bryant Esch

Wednesday, February 20, 2019

7:15 – 8 a.m.

**REGISTRATION/
CONTINENTAL BREAKFAST**

8:30 – 9:15 a.m.

- VI. FOUNDRY BYPRODUCTS
RESOURCES**
Greg Kramer
ME Global Inc. | Duluth, MN
- USDA/USEPA Spent Foundry Sand Risk Assessment
 - Other Foundry Sand Research
 - AFS-FIRST Website
 - o Case Studies
 - o AFS Library
 - o Beneficial Use State Resource Locator
 - o AFS Beneficial Use Manual

9:15 – 9:45 a.m.

- VII. FOUNDRY BYPRODUCT
REGULATION OVERVIEW**
Dan Oman
 - State Beneficial Use Regulations
 - General Permits
 - Individual Permits
 - Permits By Rule
 - Recordkeeping and Reporting

9:45 – 10 a.m.

BREAK

10 – 11 a.m.

- VIII. FOUNDRY BYPRODUCTS &
VIABLE END USES**
Mike Lenahan
*KB Foundry Services
Independence, OH*
- Foundry Sand
 - Foundry Slag
 - Refractory Material
 - Others
 - Case Studies
 - Best Management Practices
 - Creating a Product for Sale
 - Transportation Issues
 - Supply/Logistics Issues

11 a.m. – Noon

CLASS EXERCISE
Mike Lenahan, Greg Kramer,
& Dan Oman

Noon – 1 p.m.

LUNCH

1 – 1:30 p.m.

- IX. OFFSITE TSD FACILITIES/
END USERS**
Bryant Esch
 - Audits of TSD Facilities
 - Evaluation of End Users

1:30 – 2:30 p.m.

- X. REGULATORY AGENCY
INSPECTIONS**
Greg Kramer
 - Preparation for an Agency Inspection
 - o Records
 - o Housekeeping
 - o Employee Education
 - Managing Agency Inspections
 - Negotiation of Consent Orders

2:30 – 3:30 p.m.

- XI. RELATIONSHIPS WITH
OUTSIDE STAKEHOLDERS**
Mike Lenahan & Larry Bowers
 - Neighbors
 - Public Interest Groups
 - The Press

3:30 – 4:30 p.m.

CLASS EXERCISE
Mike Lenahan, Larry Bowers,
& Greg Kramer

4:30 – 4:45 p.m.

**WRAP-UP/ASK THE EXPERTS/
COURSE EVALUATION**