30th Environmental, Health and Safety Conference 2018

Warrensville Heights, Ohio, USA 9 - 11 October 2018

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30th AFS ENVIRONMENTAL, HEALTH & SAFETY CONFERENCE October 9 – October 11, 2018

Cleveland Marriott East, Warrensville Heights, OH (Program, Speakers & Agenda Subject to Change)

TUESDAY, October 9	Environmental Session
7:00 am - 3:45 pm	CONFERENCE REGISTRATION
7:00 - 8:00 am	CONTINENTAL BREAKFAST
8:00 - 8:30 am	WELCOME / ANNOUNCEMENTS Dan Oman, Haley & Aldrich, Inc., Stephens City, VA, AFS EHS Division Chair
	 INTRODUCTION AFS EHS Committee Overview Recognition of AFS EHS Division Members in Attendance CONFERENCE CO-CHAIRS: Paul Sheppard, Environmental Specialist, Amsted Rail, Keokuk, IA and Fred Kohloff, Director EHS, Keramida, Inc., Streamwood, IL
8:30 - 9:15 am	 US EPA Region V Approach to Environmental Policy Priorities and ChallengesN/A Cathy Stepp, Region V- US EPA Administrator, Chicago, IL Policy Priorities for US EPA Meeting Current Environmental Challenges Future Environmental Challenges on the Horizon
9:15 - 10:00 am	Changing Perceptions: The Need for an "Unbalanced Force"1 Dan Oman, Sr. Associate/Vice President, Haley & Aldrich, Inc., Stephens City, VA Perceptions are a function of information received from many different sources and typically become firmly held beliefs that rarely, if ever, change. The typical perception of metalcasting is that of a smokestack industry utilizing low technology and lacking in challenging career opportunities. Over the past forty years, numerous efforts have occurred to act as unbalanced forces to change perceptions. Common aspects of these efforts will be identified so that we all influence perceptions.
10:00 - 10:15 am	REFRESHMENT BREAK
10:15 - 11:15 am	Foundry Solutions for Stormwater Cases Moderator: Greg Kramer, ME Elecmetal, Duluth, MN Panelists: Dan Plant, Metal Technologies Inc, Auburn, IN18 Holly Hurst, David J. Joseph Company, Provo, UT33 David Georgeson, McWane Ductile, Provo, UT26 Improved stormwater quality through the use of hidden resources. BMP(s) originate from decommissioned area(s).
11:15 - Noon	 Residual Risk and Technology Review (RTR) of Iron and Steel Foundry NESHAP for Major Sources40 Phil Mulrine, EPA Office of Air and Radiation, Triangle Park, NC EPA is required to complete a residual risk and technology review of its NESHAP rule for iron and steel foundry major sources by June 2020 (with a proposed rule by April 2019) Provide an update on EPA's rulemaking process and its efforts in working with the metalcasting industry on this rule
Noon - 1:00 pm LUNCH	I
1:00 - 1:45 pm	State Air Toxics47 <i>Travis Quarles, ESCO Corp, Portland, OR</i> Some states are promulgating rules governing emissions of air toxics that go well beyond the USEPA's NESHAPs requirements. The speaker will describe Oregon's "Cleaner Air Oregon" rule and the specific

impacts for foundries, metals, and risk assessment/ambient air monitoring.

1:45 - 2:30 pm	Stack Testing Procedures56 Jim Schifo, Keramida, Inc., Indianapolis, IN Dan Plant, Metal Technologies, Inc., Auburn, IN
	Learn the EPA requirements for stack testing procedures with a focus on PM2.5.
2:30 - 2:45 pm	REFRESHMENT BREAK
2:45 - 3:45 pm	Creating Positive Working Relationships with Advocacy GroupsN/A Moderator: Mike Lenahan, Covia, Benton Harbor, MI
	Panelists: John Kurtz, Kurtz Bros., Inc., Cleveland, OH Derek Schafer, West Creek Conservancy, Cleveland, OH Kurt Princic, Ohio EPA, Northeast- District Office, Twinsburg, OH
	Learn from experts about what works and what doesn't work when interacting with environmental advocacy groups, local residents, and concerned citizens.
3:45-4:30 pm	Rust Spotting73 Jeet Radia, McWane, INC, Birmingham, AL Bryant Esch, Waupaca Foundry Inc, Waupaca, WI
	Damage to paint on vehicle surfaces (rust spotting) in the vicinity of metal casting facilities is a longstanding issue for many foundries. Rust spotting typically occurs when fine metallic particles deposit on and adhere to vehicle surfaces under the right conditions. When the particles rust, they stain the paint and give the appearance of rust spots. Foundries are often blamed for rust spotting even when other industrial sources in the neighborhood are partly or fully culpable. The speakers will outline the main causes of rust spotting, investigation techniques, common solutions and dealing effectively with affected neighbors.
4:30- 5:45 pm	Environmental Session for "Metalcasters Only"N/A Moderator: Bryant Esch, Waupaca Foundry, Waupaca, WI Panelists: Earl Miller, Accurate Castings Inc., dba Hiler Industries, LaPorte, IN Derek MacKenzie, Kohler Company, Kohler, WI Paul Sheppard, Amsted Rail, Griffin Wheel, Keokuk, IA
WEDNESDAY, Octobe	er 10 Combined Environmental /Health & Safety Sessions
7:00 - 8:00 am	REGISTRATION / CONTINENTAL BREAKFAST
8:00 - 8:45 am	What to Expect When OSHA Comes Knocking: The First Foundry Inspected Under New Silica Rules8 Brent Charlton, Metal Technologies of Indiana, LLC As far as AFS knows, only one foundry has been inspected for silica since the June 23 rd enforcement deadline passed: Metal Technologies in Ravenna, MI. Learn what motivated the visit, which documents OSHA asked for, how they sampled, which lab they used, the details of their practices, and the outcome of their visit.
8:45 - 9:30 am	Naturally Occurring Radioactive Materials & Waste Management98 John O'Neil, Chase Environmental Group, Inc., Lenoir City, TN How to properly identify radioactive materials as NORM and the available waste management and disposal options available in the United States
9:30 -10:30 am	 EHS Hot Topics Air Quality - Jeet Radia, McWane, Inc. Birmingham, AL107 Water & Waste - Holly Hurst, David J. Joseph Co. Provo, UT126 Health & Safety - Tom Slavin, Cardno ChemRisk, Chicago, IL118 What are the latest regulatory issues keeping metalcasters awake at night? How is AFS helping metalcasters anticipate and prepare for new regulatory impacts?
10:30 - 10:45 am	REFRESHMENT BREAK
10:45 - 11:30 am	Sustainability Successes- Winners of the 2018 Green Foundry Case Study AwardsN/A Holly Hurst, David J. Joseph, Company, Provo, UT 1 st Ever Green Foundry Award Winners Speak

11:30 am - 12:15 pm	Washington Update Stephanie Salmon, AFS Washington, Washington DC142 Jeff Hannapel, The Policy Group, Rockville, MD134
12:15 - 12:30 pm	DIVISION 10 AWARD PRESENTATIONS: AFS DIVISION INDIVIDUAL AWARDS 2017 AFS METALCASTING SAFE YEAR AWARDS
12:30 - 1:30 pm	LUNCH with Exhibitors
1:30 - 2:15pm	 Building and Sustaining Safety CultureN/A Dr. Ken Chapman, Ken Chapman & Associates, Tuscaloosa, AL Why everything that counts can't be counted Hitting the ceiling – Shifting from Compliance to Ownership Where are you today? Creating ownership with a moral dimension
2:15 - 3:00 pm	Determining and Documenting "Feasibility" of Silica Exposure Control Methods163 Bob Scholz, TRC Environmental, Brookfield, WI -Describe a process for evaluation the feasibility of options to control silica exposures in foundries -Review criteria for judging feasibility, with examples -Emphasize the need to focus feasibility determinations on root causes of exposure.
3:00 - 3:30 pm	REFRESHMENT BREAK with Exhibitors
3:30 - 4:15 pm	 Contractor Management188 Andrew Kress, Safety Manager, Waupaca Foundry Inc., Plant 5, Tell City, IN A review of the Waupaca Foundry Contractor Management Program General guidelines for contractor management (requirements before coming on site) Training; Proof of insurance; Plant escort or site contact Lessons learned, and recommendations from, real-life issues encountered with contractors
4:15 - 5:00 pm	 Discussing Silica Alternatives- Foundries Successfully Making the Change William Johnston, Engineering Manager, Ellwood Engineered Castings, Hubbard, OH199 Bill will share his foundry's process for evaluating, and experience of implementing, a switch to non-silica media for molds and cores. They now have 8 months of experience working with non-silica ceramic sand. Jack Scott, General Manager-HR/Purchasing, Eagle Foundry, Eagle Creek, OR212 Capitalize the initial start-up costs, don't expense it! Hear about the exciting ways this one decision, to go with ceramic media, will change profitability throughout your foundry.
5:30 pm -	ANNUAL RECEPTION with EXHIBITORS Networking, time with Exhibitor, Hors D 'Oeuvres, & Refreshments for All
THURSDAY, October 11	Health and Safety Sessions
7:30 - 8:00 am	REGISTRATION / CONTINENTAL BREAKFAST
8:00 - 8:45 am	Best Practices for Refractory Systems220 Pete Satre, Allied Mineral Products, Columbus, OH
8:45 - 9:15 am	Powered Industrial Sweeper Crystalline Silica Exposure Study249 Jason Lang, RHP Risk Management, Inc., Chicago, IL The OSHA Standard on Respirable Crystalline Silica reads, "The employer shall not allow dry sweeping or dry brushing where such activity could contribute to employee exposure to respirable crystalline

	silica unless wet sweeping, HEPA-filtered vacuuming or other methods that minimize the likelihood of exposure are not feasible." How are powered industrial sweepers viewed under the standard? Do these sweepers increase or decrease worker exposures? How effective are wet methods and HEPA filters with regards to powered sweeping? AFS sought to conduct a study to help answer these questions.
9:15 - 10:00 am	Silica Compliance Case Studies Glenn Huneycutt, Charlotte Pipe & Foundry Company, Charlotte, NC (organizer)258 Chris Wallen, Accurate Castings Inc., dba Hiler Industries, LaPorte, IN266
10:00 - 10:15 am	REFRESHMENT BREAK
10:15 - 11:00 am	 Method Demonstration for Foundry Personal Silica Exposure Root Cause IdentificationN/A Rebecca Farrell, TRC Environmental, Brookfield, WI Brief recap of previous presentation Discussion of Method- Instrument selection, instrument setup, and procedure Results- Presentation of results and problems encountered Concluding remarks on the study and potential extensions on the method
11:00 - 11:45 am	Safety & Health Management Systems (ISO 45001) and why it Matters280 Tom Slavin, Cardno Chemrisk, Chicago, IL The new ISO 45001 safety and health management systems standard is a game changer for workplace safety and health. We will explore what it means, how it can help and why it matters to you. We will also discuss alternative management systems that may be a better fit for some foundries
11:45 am to 12:45 pm	LUNCH
12:45 - 1:30 pm	Respirable Dust Mapping – Applications of a Useful Tool in Determining Silica Exposures 295 <i>Eric Pylkas, Insight IH Consulting, LLC, Hartland, WI</i> All foundries are familiar with the compliance sampling for respirable crystalline silica. Fewer are knowledgeable of contaminant mapping of the concentrations within their facility. This talk will compare the two methods, the drawbacks and benefits of each, and discuss the proper time to deploy each method.
1:30 - 2:15 pm	 Medical Surveillance313 Paul Lynes, Finger Lynes Engineering, Nashville, TN Learn the Who, What, and When of requirements for Medical Surveillance Hear what NOT to do regarding Medical Surveillance Receive the forms necessary for Medical Surveillance documentation
2:15 - 3:00 pm	Respirable Crystalline Silica – Avoiding Monitoring Pitfalls and Incomplete Results340 Donald Ewert, RJ Lee Group, Inc., Monroeville, PA An engaging presentation on frequent sampling errors that occur and how to do it right the first time. Learn to select work task exposure groups, the need for calibrating equipment, and how to get representative samples from an ever-changing environment. You'll also leave with tools to reduce or fully abate penalties that OSHA may propose by challenging the science behind unfavorable test results. Participants will leave with a portfolio of pitfalls to avoid and an understanding of how sample collection practices influence the analytical results they receive from the lab.
3:00 – 3:45 pm	Health and Safety Session for "Metalcasters Only"N/AModerator:Glenn Huneycutt, Charlotte Pipe & Foundry Company, Charlotte, NCPanelists:Brent Charlton, Metal Technologies Auburn LLC, Auburn, IN Bob Forrester, Neptune Technology Group, Inc., Tallassee, AL Andrew Kress, Waupaca Foundry, Tell City, IN
3:45 pm	Adjourn