A Standards in Trade (SIT) Workshop:
CHINA BROWNFIELDS REMEDIATION

Williford-A Room, Hilton Chicago Hotel, 720 South Michigan Avenue, Chicago IL

September 1, 2015

AGENDA

Time	Activity	Scope
8:00am	***Registration and Refreshments***	***Refreshments sponsored by EEC Environmental***
9:00am	**WELCOME**	
	➨ **Gordon Gillerman,** Director, Standards Coordination Office, National Institute of Standards and Technology (NIST)	*Workshop objectives & the role of standards*
9:10am	**OPENING REMARKS**	
	➨ **HEAD OF U.S. DELEGATION** **Robert D. Agee,** Assistant to the Mayor of Annapolis, MD, and Consultant, ICMA ➨ **HEAD OF CHINA DELEGATION** **Wenchao Zang**, Deputy Director, Chief Engineer, Solid Waste and Chemicals Management Center (SCC), Ministry of Environmental Protection (MEP), People's Republic of China	• *Evolution of U.S. brownfields remediation* • *Expectations for this workshop* • *Brownfield Remediation Management in China* • *Expectations for this workshop*
9:45am–12:10pm	**OVERVIEW OF U.S. APPROACHES TO BROWNFIELDS REMEDIATION**	
	Moderator: David Grossman, Director, ICMA International, International City/County Management Association (ICMA)	
9:45am	➨ **SESSION PREVIEW** **David Grossman**	*Introduction to the topics to be addressed and session format*
9:50am	➨ **IMPORTANCE OF SITE CONCEPTUAL MODEL (SCM) IN REMEDIATION** **Yong Wu**, Vice President for Operations, Jiangsu DDBS Environment Remediation Co., LTD (DDBS)	*A holistic approach is needed that considers technical, government and regulatory, remediation market/industry, community and environment points of view*
10:30am	***Networking Break***	
10:50am	➨ **MANAGEMENT OF CONTAMINATED SITES: AN OVERVIEW** **Atul Salhotra** , Founding President, Risk Assessment & Management (RAM) Group of Gannett Fleming, Inc.	*Prudent management of contaminated sites requires three key elements: site assessment, risk assessment, & risk management*
11:30am	➨ **ASTM COMMITTEE E50: ENVIRONMENTAL ASSESSMENT, RISK MANAGEMENT, AND CORRECTIVE ACTION** **Timothy Haley,** Partner, Barnes & Thornburg	*A review of the ASTM approach & established & emerging standards affecting brownfields remediation*
12:10pm	**GREETINGS AND INTRODUCTION TO THE BROWNFIELDS 2015 CONFERENCE**	
	➨ **Mathy Stanislaus**, Assistant Administrator for the Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency	*Mr. Stanislaus, who was nominated for his position by President Obama in*

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		2009, introduces the Brownfields Conference on behalf of EPA
12:20pm	***Workshop Group Photo***	
12:30pm	***Lunch & Overview of the Brownfields 2015 Conference***	***Lunch sponsored by Skelly and Loy, Inc., USTDA, ASTM International, EEC Environmental, Terracon, and the American Council of Independent Laboratories***
	➨ **BROWNFIELDS 2015 CONFERENCE OVERVIEW** **Tad McGalliard**, ICMA	*Information and suggestions on how to make the most of your Brownfields Conference participation*
1:15-4:45pm	**OVERVIEW OF U.S. APPROACHES TO BROWNFIELDS REMEDIATION – continued**	
1:15pm	➨ **PUBLIC SITE ASSESSMENT AND FUTURE USE DETERMINATION** **Jim Powell,** Consultant, Mostardi Platt, and former Executive Director, Air and Waste Management Association	*Discussion of environmental site assessment & the use of historical documents, interviews, & site visits to determine the implications of onsite contamination*
1:55pm	➨ **TESTING & DATA MANAGEMENT FOR AN EFFECTIVE AND EFFICIENT REMEDIATION** **David Friedman,** Technical Advisor, American Council of Independent Laboratories	*Overview of test data gathering, management, & use for effective site characterization & remediation*
2:35pm	➨ **A BRIEF SUMMARY OF THE SITE ASSESSMENT, INVESTIGATION, AND CLEANUP PROCESS:**	*Approaches for groundwater and soil remediation*
	GROUNDWATER: Mark Zeko, Vice President and Principal Hydrologist, EEC Environmental	• *Subsurface mapping to identify potential areas of contamination & contaminant flow; groundwater sampling & subsurface measurement techniques*
	SOIL REMEDIATION: David Bernier, Senior Project Geologist/East Coast Manager, EEC Environmental	• *Managing remediation to minimize removal & disposal of "clean" material—using investigation, conceptual models, vapor intrusion integration, risk based remediation, etc.*
3:55pm	***Break***	
4:05pm	➨ **HEAVY METALS SOIL AND WATER REMEDIATION OPPORTUNITIES USING BIOCHAR PRODUCED THROUGH BIOMASS WASTE UPCYCLING** **Charles Hegberg**, Mid-Atlantic Manager/Sr. Environmental Consultant, Skelly and Loy, Inc.	*Potentially Toxic Elements (PTEs) are heavy metals contributing to soil & water contamination that is transferred to the food chain. Biochar, which is made from biomass waste , is a porous carbon material similar to activated carbon that can be used in soil & water remediation*
4:45pm	**CLOSING REMARKS AND NEXT STEPS**	
	➨ **CHINA DELEGATION: Wenchao Zang** ➨ **U.S. DELEGATION: Robert D. Agee** ➨ **NIST: Erik Puskar** and **Pat Harris**, Standards Coordination Office, NIST	*Review of workshop outcomes, areas where further information is needed, & next steps*
5:00pm	**ADJOURN WORKSHOP**	

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5:30pm- 7:30pm	***NETWORKING RECEPTION*** K&L Gates at 70 W. Madison Street, 2nd Floor	***Reception sponsored by Mandarin Environment***

Thank you for your participation!

Please visit the workshop website for posted presentations and any post-workshop updates:

http://gsi.nist.gov/global/index.cfm/L1-4/L2-14/A-770