

COURSE DESCRIPTION

MCP for Everyone: A Practical Understanding of the Massachusetts Contingency Plan

This 4.5 hour course is designed for those non-LSPs who need a general working knowledge of the Massachusetts Waste Site Cleanup Regulations, better known as the Massachusetts Contingency Plan (MCP). It is also beneficial for LSPs who want a comprehensive review of the MCP.

It will be taught by five senior environmental professionals, including 3 LSPs, a risk assessment specialist, and an environmental attorney. Topics covered will include the following: the release notification, Immediate Response Actions (IRAs), Release Abatement Measures (RAMs), Limited Response Actions (LRAs), Phase I through V reports, tier classification, risk characterizations, Remedy Operation Status (ROS), Permanent and Temporary Solutions, Activity and Use Limitations (AULs), cost recovery, MassDEP audits and fees. It was designed for practical application for attendees to gain an understanding of the process, pitfalls and timelines and what to expect from the MassDEP.

MCP FOR EVERYONE

SYLLABUS

February 27, 2019

3:00 to 8:00 p.m.

Crowne Plaza Hotel, Natick, Massachusetts

Presenter and Time	MCP Subpart and Section	Topic
James Young 3:00 – 3:10 (10 minutes)	NA	Introduction and Overview of MCP
Andrew Irwin 3:10 – 4:05 (55 minutes)	A – 40.0000	General Provisions, Definitions
	B – 40.0100	Responsibilities, Downgradient Property Status (DPS), Response Action Performance Standard (RAPS)
	C – 40.0300	Notifications and Exemptions, Limited Removal Actions (LRAs), Imminent Hazards (HIs)
	P – 40.1600	Massachusetts Oil and Hazardous Materials List (MOHML) and MCP Timeline
James Young 4:05 – 5:00 (55 minutes)	D – 40.0400	Preliminary Response Actions
	E – 40.0500	Tier Classification and Response Timelines
	H – 40.0800	Comprehensive Response Actions (Phase II, III, and IV)
Matthew Hackman 5:00 – 5:50 (50 minutes)	H – 40.0800	Comprehensive Response Actions (Phase V and ROS)
	J – 40.1000	Temporary and Permanent Solutions (previously RAOs)
Light Dinner Break 5:50 – 6:05 (15 minutes)		
Lisa McIntosh 6:05 – 7:15 (70 minutes)	I – 40.0900	Risk Characterization (Methods 1, 2, and 3)
Robert Cox 7:15 – 7:45 (30 minutes)	J – 40.1074	Activity and Use Limitations (AULs)
	K – 40.1100	Audits
	L – 40.1200 & c. 21E, §4A	Cost Recovery, Liens, Demand Letters
	M – 40.1300	Administrative Record
Matthew Hackman 7:45 – 8:00 (15 minutes)	N – 40.1400	Public Involvement
	310 CMR 4.00	Fees
	NA	Technical and Regulatory Guidance
	NA	21E, Miscellaneous

MCP for Everyone

INSTRUCTOR BIOGRAPHIES

Lisa M. McIntosh, MS, DABT

Lisa McIntosh is a technical manager and principal at the Woodard & Curran Providence, Rhode Island office. Ms. McIntosh has over 20 years of expertise in conducting both human and ecological risk assessments for state and federal agencies, as well as experience in conducting toxicological evaluations, vapor intrusion assessments, sediment assessment and remediation studies, ecological restoration, environmental sampling, data usability analysis, and public communication. She is actively involved in the scientific and regulatory community, including the Society of Environmental Toxicology and Chemistry, and the Interstate Technology and Regulatory Council Perfluorinated Alkyl Substances workgroup.

Ms. McIntosh received her M.S. in Environmental Science, with a concentration in aquatic toxicology, from the University of Massachusetts Boston, and her B.S. in Biology, with a minor in chemistry, from Eastern Nazarene College. She is certified in General Toxicology by The American Board of Toxicology.

James S. Young, PG, LSP

Jim Young is an LSP at Cooperstown Environmental in Andover, MA, with more than 30 years of environmental consulting experience as an LSP and as a Professional Geologist. Jim served as a Chair of the Site Notification work group developing the 1993 MCP, before obtaining his LSP with the first group of licensees. He was also a member of the work group that developed the 1997 Brownfields legislation. He has been the LSP of Record for hundreds of MCP sites, in every phase of the MCP from notification through clean up. These sites have frequently involved preparation of or compliance with AULs.

Jim has been a member of the LSPA Loss Prevention Committee, which he chaired for two years. He was later elected to the LSPA Board of Directors, and became LSPA President in 2010. He has prepared a number of articles for the LSPA Newsletter concerning technical issues including Substantial Release Migration, asbestos in soil, dust monitoring for chemical risks, and proper application of the Coal/Coal Ash/Wood Ash Background Technical Update.

Prior to entering the environmental field, Jim was a minerals (metals) exploration geologist based in Denver, and worked throughout the western US and Alaska. He obtained an undergraduate degree in Geology from Tufts University, and a Master's in Economic Geology from Colorado State University.

Matthew E. Hackman, PE, CHMM, LSP, LEP

Matthew Hackman is a Professional Engineer, LSP, Licensed Environmental Professional (LEP) in Connecticut, ISDS Class III Designer in Rhode Island, and Certified Hazardous Materials Manager (CHMM) applying his experience in air pollution control, wastewater treatment, and hazardous waste investigation and remediation. His experience includes air and wastewater permitting, PCB/VOC/heavy metals/ municipal landfill remediation RCRA/CERCLA/TSCA), specifications for remedial activities during facility closure and UST upgrades, and innovative soil, groundwater, and wastewater recycling/reuse technologies. Matt has experience in wastewater treatment, particularly industrial pretreatment technologies with emphasis on physical/chemical treatment. He has designed pretreatment facilities for the printed circuit board, chemical manufacturing, and electroplating/metal finishing industries as well as participating in the design of RCRA Part B treatment, storage and disposal facilities.

His LSP work has included large multifamily residential properties for MassHousing/HUD, multiple commercial and industrial properties, and portfolios of service stations and former oil terminals.

Mr. Hackman has employed a wide variety of remedial technologies, including both physical/chemical and biological remediation. He provides PE, LSP and LEP regulatory compliance services, both to other environmental services firms and to industrial, developer, petroleum marketing and government clients. He is self-employed since 1996. Matt served on the LSPA Board of Directors from 2002-2008 (including several years as treasurer) and again from 2009 to present, and was the 2013-2014 president of the LSPA. He is active on the LSPA Education Committee.

He earned degrees in engineering from the University of Delaware (B.Ch.E.-Chemical Engineering) and Princeton University (M.S.E-Chemical Engineering), as well as an MBA from Northeastern University.

J. Andrew Irwin, PE, LSP

Mr. Irwin is President of IRWIN Engineers, Inc. a firm located in Natick, Massachusetts specializing in chemical and environmental engineering. IRWIN Engineers was founded in 1996 and is a professional service firm providing effective response action support to owners of commercial real estate for assessment and cleanup of contaminated properties and engineering for inherently safer processing and release prevention at industrial sites.

Mr. Irwin received his Bachelor of Science and Master of Engineering degrees in chemical engineering from Cornell University and has over 30 years of professional engineering consulting experience. He is a practicing LSP and a Past President of the LSP Association. As a longstanding member of the LSPA Technical Practices Committee he has written many articles for the LSPA Newsletter and presented courses related to technical and regulatory facets of site assessment, remediation and, in particular, management of remediation waste and hazardous waste.

Robert Cox, Esq.

Bob Cox counsels clients on environmental compliance and enforcement actions. He regularly advises clients on Brownfields development activities and on strategies to limit or shift environmental liability risks in connection with real estate or business transfers. He also represents clients in cost recovery claims under Chapter 21E and CERCLA in state and federal courts, and defends claims and actions brought by government environmental enforcement agencies in administrative hearings and appeals.

Mr. Cox is recognized as one of the top environmental lawyers in Massachusetts by *Chambers USA, America's Leading Lawyers for Business*. He has been selected by his peers as one of the *Best Lawyers in America* in the practice area of Environmental Law, and since 2004, he has been selected for inclusion in *Massachusetts Super Lawyers*. He is a frequent speaker and has authored many publications on current topics relating to environmental law and is a board member of the Environmental Business Council of New England, Inc. and for many years chaired the City of Worcester Mayor's Brownfields Roundtable. He is a graduate of the University of Massachusetts and Suffolk University Law School.