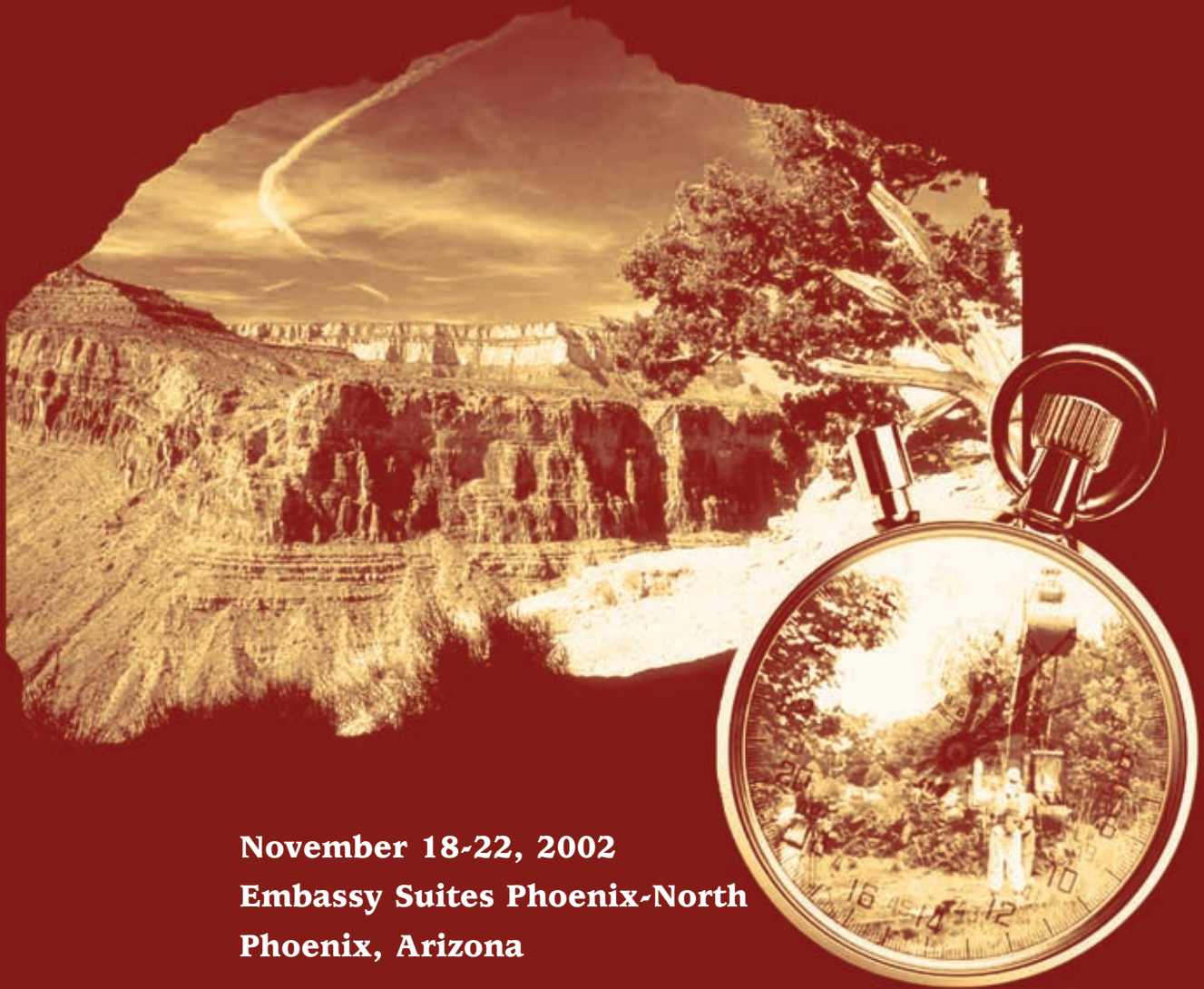




ON-SCENE COORDINATOR (OSC) READINESS TRAINING PROGRAM FOR 2002

Training by OSCs for OSCs



**November 18-22, 2002
Embassy Suites Phoenix-North
Phoenix, Arizona**



For the latest information about the OSC Readiness Training Program,
and to register online, go to www.oscreadiness.org

INTRODUCTION

The U.S. Environmental Protection Agency (EPA) is committed to remaining the premier federal environmental response organization. The On-Scene Coordinator (OSC) Readiness Task Force was created to help EPA retain that status. To ensure the readiness of all EPA OSCs nationwide, the task force identified the need for an annual week-long readiness training program. Many EPA offices, including the Office of Emergency and Remedial Response (OERR), the Environmental Response Team Center (ERTC), the Oil Program Center (OPC), the National Enforcement Training Institute (NETI), and the Technology Innovation Office (TIO), have worked as a team with OSCs across the nation to develop training specifically for OSCs.



Objectives

The objectives of the OSC Readiness Training Program are to:

- Allow OSCs to strengthen the knowledge and skills essential to their successful job performance
- Provide a diverse learning experience that OSCs can attend in a single week at a single location
- Achieve inter-regional networking among OSCs
- Showcase regional case studies, current tools, and resources available to OSCs

Registration

Registration opens ONLY for EPA OSCs on August 19, 2002. Other invited participants may begin registration on August 26, 2002. All participants, including instructors for training courses, plenary speakers, and exhibitors for the Tech Zone, need to register for the program. You must register online at www.oscreadiness.org.

Once your online registration is complete, you and your supervisor will receive an e-mail message that lists the workshops you selected and information about attending the training program.

Please register in advance to help ensure that you can attend the workshops of your choice. Registration will close on November 1, 2002. A confirmation package will be sent to you once you have registered for workshops.

If you cannot register online, please contact Tetra Tech EM Inc. (Tetra Tech) at (703) 390-0703 or by e-mail at christina.spellerberg@ttemi.com for assistance.

Travel Information

The Embassy Suites Phoenix-North is located 25 minutes (20 miles) from the Phoenix Sky Harbor International Airport. For more information about the airport, please visit the facility's web site at www.phxskyharbor.com.

Roundtrip transportation to and from the airport is available on a complimentary basis from Super Shuttle.

Please indicate that you are with the OSC Readiness Training Group to receive the complimentary service.

Upon arriving at the airport, proceed to the baggage claim and exit to the outer island marked "VAN SERVICE." Shuttles depart the airport approximately every 15 minutes from 9:00 a.m. to 9:00 p.m., followed by less frequent departures after 9:00 p.m. Shuttle reservations can be made by calling (602) 244-9000. For additional information, please visit their Internet web site at <http://supershuttle.com/html/cities/phx.htm>.

Taxi fare between the hotel and the airport is approximately \$35.00 each way.

Complimentary parking is available at the Embassy Suites Phoenix-North. A National Car Rental counter also is located in the lobby of the hotel.

Lodging

A block of rooms has been reserved at the Embassy Suites Phoenix-North in Phoenix, Arizona. Please make your hotel reservations by calling the hotel at (800) 527-7715 or (602) 375-1777. Be sure to mention that you are attending the EPA OSC Readiness Training Program. The cut-off date for hotel reservations is October 11, 2002. You must make your reservation by that date, or you will not be guaranteed a room reservation at the prevailing government rate of \$90 per night (plus taxes).

EPA headquarters will pay the lodging costs at the Embassy Suites Phoenix-North **ONLY** for all EPA OSCs who have approved travel authorizations. All other travel expenses will be the responsibility of the EPA OSCs and their regional offices. **If you are not an EPA OSC, you will be responsible for all of your travel expenses, including lodging.**

Hotel Amenities

The Embassy Suites Phoenix-North offers several complimentary amenities including a fitness center, swimming pool and whirlpool, and tennis courts. The Black Canyon Grill serves lunch and dinner as well as complimentary breakfast each morning. Each sleeping room includes two telephone lines with dataport, wet bar, refrigerator, coffee maker, microwave, and iron. Hotel guests also have access to L.A. Fitness Center, located approximately two miles from the hotel. Several championship golf courses are minutes away and can be reserved at the front desk of the hotel. For additional information, please visit the hotel's web site at <http://www.embassysuites.com/en/es/hotels/index.jhtml?ctyhocn=PHXNOES>.

For More Information

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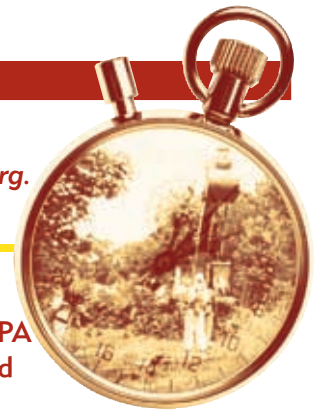
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SCHEDULE OF EVENTS

Please read below to find out about the events during OSC Readiness Training. For additional information about each event, visit the OSC Readiness Training web site at www.oscreadiness.org.



Plenary Sessions

Opening Plenary Session

On Monday, the opening plenary session will feature speakers from EPA headquarters, EPA Region 9, and local environmental government agencies. All participants are encouraged to attend to learn about updates to the Superfund program.

History of the Removal Program

During the opening plenary session on Monday, a history of the Removal Program will be presented. The presentation will focus on specific historical, technical, and regulatory issues that OSCs face when conducting emergency responses and removal actions. The presentation will:

- Inform OSCs about milestones that have shaped how removal actions and emergency responses are conducted
- Highlight the impact of new legislation
- Provide OSCs with institutional knowledge about issues that have been addressed in the past

Daily Plenary Sessions

These daily sessions, offered Tuesday, Wednesday, and Thursday mornings, provide OSCs an opportunity to learn about new policy initiatives as well as additional resources. Topics will include:

- Regional Backup Sessions
- Counter Terrorism Information Technology Work Group
- Memorandum of Agreement (MOA) on the Endangered Species Act and Oil Spills

Hot Sites Forum

On Friday morning, this session provides OSCs an opportunity to learn from the most recent case studies of regional activities related to a response at an oil site, an emergency response, and a time-critical removal action. The session is appropriate for all levels of experience.

Regional Backup Sessions (For EPA personnel only)

On Friday, from 11:00 a.m. to noon, Removal Managers and EPA OSCs will meet with their counterparts of each EPA region's backup region to discuss how each region is organized, exchange telephone numbers and logistical information, and discuss response infrastructure. The following regions will meet together:

- Regions 1 and 2
- Regions 3, 4, and 5
- Regions 6 and 7
- Regions 8, 9, and 10

The Tech Zone

The Tech Zone offers demonstrations, both indoors and outdoors, of various technologies that OSCs use in emergency response and removal actions. The Environmental Response Team's (ERT) Technical Services will be available to help OSCs learn how to build web sites and gain access to EPA's Remote Access and Virtual Private Networking Services.

EPA Business Luncheons

On Monday, from 12:00 p.m. to 1:30 p.m. and Wednesday, from 12:30 p.m. to 1:45 p.m., the program will conduct two EPA business luncheons at the hotel. Monday's luncheon will provide OSCs with an opportunity to network. Mr. Michael Callan, Fire Training Associates, will be the keynote speaker during Wednesday's luncheon. Mr. Callan is a 20-year veteran of the Fire Service and a former Captain with the Wallingford, Connecticut Fire Department.

After Hour Social Activities

To help build relationships, the OSC Readiness Training Program plans various after hour social activities for participants. Activities include a welcome reception sponsored by the hotel on Monday night, the famous "Gumbo Fest" on Thursday night, and basketball or volleyball games at a nearby park.

TRAINING TO BE OFFERED

Minicourses, scenarios, and workshops will be presented through a variety of techniques, including field exercises, case studies, lectures, table-top exercises, and discussion sessions. The training workshops are organized into the five following subject matter categories:



Category A: Management (p. 7)

- Adapt, Improve, and Overcome: Developing a Site Strategy for Removal Actions
- Asbestos Response – History and Regulations
- The Daily Grind: Project Management for Effective Field Operations
- Enforcement and Legal Issues for OSCs
- Knowing and Using the National Contingency Plan
- Media Relations Training
- Stress Management for OSCs

Category B: Science and Technology (p. 9)

- ASPECT (formerly, SAFEGUARD)
- Bio 101 and Bioterrorism
- Bucket Chemistry for Field Responders
- Industrial Processes
- Innovative Treatment Technologies: Bioterrorism
- Radiation at Superfund Sites – Advanced

Category C: Resources and Tools (p. 10)

- Air Quality Modeling
- Basic Air Monitoring
- Data Management Issues, Tools, and Resources for OSCs
- Incident Command System/Unified Command
- Risk Communication

Category D: Response (p. 12)

- Anthrax Response
- Asbestos – Sampling and Analysis
- Bioremediation of Oil Spills
- Clandestine Drug Labs
- Dangerous and Hazardous Buildings
- Introduction to Explosive Recognition and Safety for OSCs
- Response Issues at Pipeline Spills
- Safe Handling of Compressed and Liquefied Gases

Category E: Prevention and Preparedness (p. 13)

- Drill and Exercise Design
- Inland Oil Resources: Alternative Countermeasures for Oil Spills
- Memorandum of Agreement (MOA) on the Endangered Species Act and Oil Spills
- Spill Prevention, Control, and Countermeasures (SPCC) and Facility Response Plans (FRP): “The New Rules”

THE OSC READINESS TRAINING BOARD RECOMMENDS THE FOLLOWING COURSES FOR NEW OSCS:

- Adapt, Improve, and Overcome: Developing a Site Strategy for Removal Actions
- Asbestos Response – History and Regulations
- Basic Air Monitoring
- Bucket Chemistry for Field Responders
- The Daily Grind: Project Management for Effective Field Operations
- Dangerous and Hazardous Buildings
- Incident Command System/Unified Command
- Industrial Processes
- Introduction to Explosive Recognition and Safety for OSCs
- Knowing and Using the National Contingency Plan

AGENDA



Legend

- ☀ Category A: Management
- 🐟 Category B: Science and Technology
- 💧 Category C: Resources and Tools
- 🌲 Category D: Response
- ★ Category E: Prevention and Preparedness

Registration is available on Sunday, November 17 from 4:30 p.m. to 8:30 p.m. next to the hotel's front desk.

Registration begins each day at 7:00 a.m.

Day 1 – Monday, November 18, 2002

Time	
8:00 a.m.	Opening Plenary Session 8:00 a.m. to 11:00 a.m. and History of the Removal Program 11:00 a.m. to 12:00 p.m.
8:30 a.m.	
9:00 a.m.	
9:30 a.m.	
10:00 a.m.	
10:30 a.m.	
11:00 a.m.	
11:30 a.m.	
Noon	
12:30 p.m.	
1:00 p.m.	EPA Business LUNCH 12:00 p.m. - 1:30 p.m.
1:30 p.m.	
2:00 p.m.	Industrial Processes (4 hr) † 🐟
2:30 p.m.	Drill and Exercise Design (4 hr) ★
3:00 p.m.	Dangerous and Hazardous Buildings (4hr) † 🌲
3:30 p.m.	Inland Oil Resources: Alternative Countermeasures for Oil Spills (4 hr) ★
4:00 p.m.	Bucket Chemistry for Field Responders (4 hr) † 🐟
4:30 p.m.	Safe Handling of Compressed and Liquefied Gases (4 hr) 🌲
5:00 p.m.	
5:30 p.m.	

Day 2 – Tuesday, November 19, 2002

Time	
8:00 a.m.	Plenary Network
8:30 a.m.	
9:00 a.m.	
9:30 a.m.	
10:00 a.m.	
10:30 a.m.	
11:00 a.m.	
11:30 a.m.	
Noon	
12:30 p.m.	
1:00 p.m.	LUNCH 12:30 p.m. - 1:30 p.m.
1:30 p.m.	
2:00 p.m.	Safe Handling of Compressed and Liquefied Gases (4 hr) 🌲
2:30 p.m.	Asbestos – Sampling and Analysis (4hr) 🌲
3:00 p.m.	Bucket Chemistry for Field Responders (4 hr) † 🐟
3:30 p.m.	ASPECT (4 hr) 🐟
4:00 p.m.	Spill Prevention, and Countermeasures (SPCC) and Facility Response Plan (FRP): "The New Rules" (4 hr) ★
4:30 p.m.	Incident Command System/ Unified Command (4hr) † 💧
5:00 p.m.	
5:30 p.m.	

† The OSC Readiness Training Board recommends this course for new OSCs.

Day 3 – Wednesday, November 20, 2002

		Time																				
		8:00 a.m.	8:30 a.m.	9:00 a.m.	9:30 a.m.	10:00 a.m.	10:30 a.m.	11:00 a.m.	11:30 a.m.	Noon	12:30 p.m.	1:00 p.m.	1:30 p.m.	1:45 p.m.	2:00 p.m.	2:30 p.m.	3:00 p.m.	3:30 p.m.	4:00 p.m.	4:30 p.m.	5:00 p.m.	5:30 p.m.
Plenary	Network	Anthrax Response (8 hr) 🌲										EPA Business LUNCH 12:30 p.m. - 1:45 p.m.	Anthrax Response (Continued) 🌲									
		Knowing and Using the NCP (8 hr) † ✨											Knowing and Using the NCP (Continued) ✨									
		Media Relations Training (8 hr) ✨											Media Relations Training (Continued) ✨									
		Radiation at Superfund Sites – Advanced (8 hr) 🐟											Radiation at Superfund Sites – Advanced (Continued) 🐟									
		The Daily Grind: Project Management for Effective Field Operations (8 hr) † ✨											The Daily Grind: Project Management for Effective Field Operations (Continued) ✨									
		Risk Communication (8 hr) 💧											Risk Communication (Continued) 💧									

Day 4 – Thursday, November 21, 2002

		Time																				
		8:00 a.m.	8:30 a.m.	9:00 a.m.	9:30 a.m.	10:00 a.m.	10:30 a.m.	11:00 a.m.	11:30 a.m.	Noon	12:30 p.m.	1:00 p.m.	1:30 p.m.	2:00 p.m.	2:30 p.m.	3:00 p.m.	3:30 p.m.	4:00 p.m.	4:30 p.m.	5:00 p.m.	5:30 p.m.	
Plenary	Network	Stress Management for OSCs (3.5 hr) ✨										LUNCH 12:30 p.m. - 1:30 p.m.	Incident Command System/Unified Command (4 hr) † 💧									
		MOA on the Endangered Species Act and Oil Spills (3.5 hr) ★											Bio 101 and Bioterrorism (4 hr) 🐟									
		Data Management Issues, Tools, and Resources for OSCs (3.5 hr) 💧											Enforcement and Legal Issues for OSCs (4 hr) ✨									
		Risk Communication (8 hr) 💧											Risk Communication (Continued) 💧									
		Response Issues at Pipeline Spills (3.5 hr) 🌲											Basic Air Monitoring (4 hr) † 💧									
		Adapt, Improvise, and Overcome: Developing a Site Strategy for Removal Actions (3.5 hr) † ✨											Introduction to Explosive Recognition and Safety for OSCs (4 hr) † 🌲									

Day 5 – Friday, November 22, 2002

		Time																		
		8:00 a.m.	8:30 a.m.	9:00 a.m.	9:30 a.m.	10:00 a.m.	10:30 a.m.	11:00 a.m.											11:30 a.m.	Noon
Hot Sites Forum (3 hr)		Regional Back Up Sessions (1 hr)																		
		Regions 1 and 2																		
		Regions 3, 4, and 5																		
		Regions 6 and 7																		
		Regions 8, 9, and 10																		

COURSE DESCRIPTIONS

Please read the course descriptions before making your selections.



Category A: Management

Adapt, Improve and Overcome: Developing a Site Strategy for Removal Actions introduces a conceptual tool for managing strategic issues that inevitably rise before, during, and after a removal action. Both new and seasoned OSCs will benefit from an understanding of the Site Strategy Model and the application of this conceptual tool in the field. By taking this course, participants will achieve the following objectives:

- Learn the various components of the Site Strategy Model. The circumstances at the site, the goals, and factors that affect the development of a removal site strategy, and the dynamic interplay of those factors will be identified during a two-phase concept lecture.
- Explore the application of the Site Strategy Model at several removal actions. OSCs from several regions present multiple case studies, with a focus on the evaluation of the different factors that affected the Site Strategy throughout these removal actions. Case studies range across a wide variety of removal actions requiring varying degrees of strategy.
- Witness the application of the Site Strategy Model at a removal action strongly influenced by external circumstances. The presentation of this case study will offer participants additional opportunities to think beyond the typical “follow the program” guidance, and should spark in-depth discussion of site strategies that will be of interest to even the most seasoned OSCs.
- Master the application of the Site Strategy Model through an interactive exercise. Participants will engage in a group exercise designed to strengthen their understanding of the conceptual tool, and help them determine when the Site Strategy tool would be most useful in their real-life work environments.

The OSC Readiness Training Board (RTB) recommends this course for new OSCs.

Asbestos Response – History and Regulations is designed for all OSCs who wish to become familiar with asbestos as it relates to removal activities. Every OSC, at some point during his or her career, will deal with asbestos materials during a removal action or an emergency response. If the OSC lacks prior knowledge of the particulars of asbestos assessment and abatement, the experience is likely to be frustrating. This 3.5 hour course will focus on the introductory aspects including historical developments and pertinent regulations. In addition, various removal actions and responses will be utilized to demonstrate the course objectives.

The OSC RTB recommends this course for new OSCs.

The Daily Grind: Project Management for Effective Field Operations expands on the Removal Process Course offered by EPA TIO’s Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Education Center. It takes a hands-on practitioner’s approach to removal and emergency response management, based on the perspective of field operations. The workshop provides a wealth of tips and suggestions. Elements covered include critical path management and scheduling; project organization; resource forecasting and cost projections; conduct of practical planning meetings; site documentation for cost- and project-tracking; site safety; and equipment sizing. It also will examine issues related to human relations and management of people. The workshop was developed and is taught by senior OSCs; it provides a blend of regional approaches to effective site management. The OSC RTB recommends this course for new OSCs.

Enforcement and Legal Issues for OSCs has been developed to provide OSCs with information about how to access properties to conduct site investigations, emergency responses, and time-critical removal actions. The course will discuss the OSC's authority to access properties and the legal constraints upon the government to access properties during an emergency response. Recent case studies to emphasize the importance of obtaining access will be used.

The second module of the course includes a presentation on how an OSC was sued by a potentially responsible party (PRP). The OSC will discuss the process of obtaining representation by the U.S. Department of Justice, the court process, constitutional grounds for lawsuits, and professional liability insurance. The third module will discuss the Freedom of Information Act (FOIA). An OSC will address the importance of completing requests made under FOIA; how to determine which documents can be released; the implications of withholding of documents; how to charge the public; and how to complete a privilege list. A question and answer session will follow each module.

Knowing and Using the National Contingency Plan will help OSCs understand their authorities under the National Oil and Hazardous Substances Contingency Plan (NCP) during removal actions and especially during emergency response actions. The course also will inform the OSCs on how to conduct themselves in light of those authorities under state and local incident command structures. The course discusses the legal duties and responsibilities of OSCs through presentations and interactive exercises. Topics include the National Response System (NRS), operational implementation of the NCP, and legal questions related to the OSC's provision of direction during a response action.

Media Relations Training, an 8-hour workshop, will teach OSCs how to professionally handle any interview, whether by 60 Minutes or the local newspaper. Media interest in emergencies, whether big or small, is usually high. This interactive workshop provides basic techniques for communicating effectively with the media during emergency response situations. By taking the course, participants will:

- Learn basic principles of the media profession. This workshop includes an overview of the media and provides some basic media principles and tactics, such as techniques that reporters typically use during interviews. Instructors also will present basic tips for dealing with the media.
- Understand how to answer questions by developing and presenting key messages. Instructors will explain how to effectively answer reporters by demonstrating how OSCs can develop and refine key messages and then present those messages to the media. The workshop provides opportunities for participants to practice preparing and delivering key messages for a variety of situations.
- Master and practice interview techniques. Each participant will have an opportunity to demonstrate their ability to respond to tough media questions and to construct and present key messages by being interviewed on-camera. After being interviewed, the instructors will review the videotaped interview with the participant and offer suggestions to improve their on-air interview techniques and tactics.

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Stress Management for OSCs will focus on providing OSCs with tools to help them identify sources of stress in their professional and personal lives and how to deal with those stresses in healthy ways. To open the workshop, Removal Managers will share the effects stress has had on their professional and personal lives. The workshop then will focus on helping participants to:

- Understand how they respond to stressful events: The ways the body and mind react to and recover from stress will be discussed.
- Assess their own personal stress levels: Several self-assessment questionnaires will be completed during the class and discussed, at the discretion of the participants.
- Develop their own personal stress management plans: Using the results of the self-assessment questionnaires, course instructors will work with participants to help them develop a plan for taking control of the stress in their lives.

Category B: Science and Technology

ASPECT (formerly, SAFEGUARD) will prepare OSCs for the deployment and use of the Airborne Spectral Photo-Imaging of Environmental Contaminants Technology (ASPECT) aircraft and its equipment. ASPECT is an emergency response chemical identification and monitoring system mounted in an aircraft that is available for use by all EPA regions. The system is capable of identifying gaseous plumes and their concentrations. In addition the platform is outfitted to take digital aerial photographs with geographical positioning system (GPS) data imbedded. This information can be sent to the responder on the ground by a telemetry system, allowing the responder to "access" the data on the system computers located onboard the aircraft.

The workshop also will examine the technical capabilities of the equipment and the procedures for deploying the aircraft and provides a simulation of the use of the aircraft and the equipment in responding to a release. The aircraft will be available at a nearby airport for touring the day before and the day after the course.

Bio 101 and Bioterrorism will provide wide-ranging access to the latest scientific information about bacteria and viruses and other potential bioweapons. Recent events have confirmed that bioterrorism is no longer a threat, but a reality. This session is designed to introduce the OSC to the world of biological organisms and how they have become threats to humans and the environment. The session will focus on how these organisms are classified through taxonomy; physical characteristics, such as shapes and sizes; where and how these organisms survive through metabolic diversity; how these organisms reproduce; and individual cell characteristics that make these organisms unique. In addition, the course also will focus on the concern of biological warfare, the benefits of employing most biological agents, and specifically, on *Bacillus anthracis*. The session also will include some hands-on demonstrations collecting and culturing bacteria, use of the gram stain technique to identify bacteria, use of microscopes, and biological identification through DNA technology, such as gel electrophoresis and Polymerase Chain Reaction (PCR).

Bucket Chemistry for Field Responders will help OSCs to answer the following questions: What do you need to know about polymerization, two-phase gases, oxidizers, and other hazards? How can you apply practical principles of chemistry to realistic field response scenarios? This session provides practical demonstrations and videotapes of actual incidents. The OSC RTB recommends this course for new OSCs.

Industrial Processes will provide OSCs information about process chemistry that is relevant to site evaluation and remedial activities. The workshop presents a detailed analysis of four major industrial processes that frequently are encountered at Superfund sites. The review of each industrial process includes a synopsis of the process, a review of the key chemicals associated with the process, and an analysis of means of release to the environment, along with information related to the analysis and disposal of chemicals. The four-hour workshop is a condensed version of a comprehensive three-day course and is intended for personnel who have an understanding of basic chemical terms and principles of chemistry. The OSC RTB recommends this course for new OSCs.

Innovative Treatment Technologies: Bioterrorism will provide OSCs an overview of how the military, intelligence, and research and development communities interact with other departments of government, U.S. Department of Defense (DoD), nonproliferation groups, and academia. The course will explain the connection between EPA offices, such as the Office of Solid Waste and Emergency Response (OSWER), Office of Research and Development (ORD), and the Office of Prevention, Pesticides, and Toxic Substances (OPPTS), and organizations such as the Technical Support Working Group (TWSG), Defense Threat Reduction Agency (DITRA), and Defense Advanced Research Projects Agency (DARPA). Decontamination technology development processes will be explained; for example, the National Decon Team, Red Team, and a general discussion about sterilization science.

Radiation at Superfund Sites - Advanced is designed to meet the needs of the OSC who is or might become involved in responses at a radiation site. For the course, it is assumed that the OSC has at least a basic understanding of radiation. The course examines site discovery, types of radiation sites, plans, procedures, and actual responses. One or more OSC case studies will be presented. This course will cover monitoring the Superfund Technical Assessment and Response Team (START) contractor to ensure that they effectively perform work at radiation sites. Documentation for cost recovery will be discussed, as well as radiation consulting services available from EPA's Office of Radiation and Indoor Air (ORIA).

Category C: Resources and Tools

Air Quality Modeling will present a variety of the current modeling tools available to OSCs and their contractors for use in emergency response and removal actions. The session will examine the basic theory of dispersion modeling and associated data collection needs. Specific topics include:

- When is a "given" more appropriate for the needs of an OSC
- How to best utilize the models' output to convince stakeholders (such as, local residents and politicians) to undertake a specific course of action
- Where OSCs can obtain information about these models from the field

Also included is a discussion about the new EPA Guidance on Air Quality Models. Case studies will be used to illustrate various field applications for modeling. This session does not provide training related to CAMEO or ALOHA.

Basic Air Monitoring will provide OSC's an understanding of the process of monitoring airborne contaminants during an emergency action, along with experience in applying the techniques for doing so. Instructional methods include a combination of lectures and hands-on use of instruments. The OSC RTB recommends this course for new OSCs.



Data Management Issues, Tools, and Resources for OSCs will focus on data management and the available tools and resources for collecting, analyzing, managing, and disseminating information relevant to emergency response and site work. This course also will discuss aspects of information and data management experienced during large-scale emergency responses and removal actions, and will include several case studies that highlight data management tools and techniques used by OSCs. Several topics that will be discussed include:

- Data management issues (field operations vs. “feeding the beast”)
- Mass data collection, accuracy, integrity, and consistency
- Public dissemination of information and communicating risk

In addition, the course will include a discussion of the available tools for field sampling data management as well as provide a basic awareness of geographic information systems (GIS) software and data and their capabilities and limitations. The course also examines the available resources for publishing or disseminating analytical and spatial data such as the OSC web page and EPA’s Office of Environmental Information.

Incident Command System/Unified Command (ICS/UC) will provide OSCs an overview of the organizational management concept of the UC as it fits in the ICS for emergency response. During the half-day course, participants will review the principles and features of the National Interagency Incident Management System (NIIMS), a system recommended by the National Response Team (NRT) as the base-incident management system. The course includes discussions of EPA’s Response Management Policy for the application and use of the ICS during emergency response events. The course includes several case studies that demonstrate how OSCs in various regions use the UC to their advantage during emergency responses. During mock emergency scenarios, OSCs will develop UC organizational structures based on resources available through the NRS and in the regions. Course materials have been developed from training materials in the Incident Command National Training Curriculum. **The OSC RTB recommends this course for new OSCs.**

Risk Communication provides OSCs with a framework and basic principles for communicating risk. One of the most difficult tasks an OSC must perform is to clearly communicate the risk associated with a response. An OSC’s audience for risk communication varies from concerned citizens and elected officials to the news media and the type of risk to be communicated varies across the wide spectrum of the types of responses made by OSCs. The course includes response scenario exercises during which OSCs will apply the principles of risk communication to specific situations that OSCs encounter regularly.

By taking this course, participants will:

- Learn how to effectively prepare for general public and media interactions and avoid miscommunications and pitfalls
- Explore the principles and rationale behind risk communication techniques and gain a better understanding of their importance
- Examine the critical role of key messages and, through interactive examples, learn how to develop key messages for use in situations involving communication with the general public or media
- Learn three critical questions to explore when preparing for public meetings or media interviews

Category D: Response

Anthrax Response will provide information to OSCs about assessment issues encountered during an anthrax response and investigation. Health and safety, sampling, screening and determining the extent of contamination, decontamination, and data evaluation for cleanup and disposal options will be discussed using lectures, exercises, open discussions, and case studies. The NRT Anthrax cleanup document and lessons from the AMI building and the post offices located in Washington, D.C. also will be discussed.

Asbestos – Sampling and Analysis will instruct OSCs on the importance of the quantification and characterization of asbestos fibers and other durable mineral fragments as a critical component of any environmental asbestos investigation. Toxicologists have suspected for more than 20 years that fiber length, width, and durability play important roles in the toxicity of asbestos by the inhalation route of exposure. Currently, analytical methods for asbestos are inconsistent from agency to agency within the federal government and do not always allow for adequate fiber characterization for endangerment assessment. This presentation will review present analytical techniques for asbestos measurement as they relate to asbestos toxicity and environmental levels of concern.

Bioremediation of Oil Spills is designed to provide an introduction to bioremediation of petroleum related to contaminated soils and shorelines. Previous knowledge of the subject will not be assumed. The workshop format will include lecture, policy discussion, sample problems, and case studies with class participation. Topics to be discussed include:

- Definition of bioremediation
- Background and purpose of bioremediation
- Biostimulation versus bioaugmentation
- Summary of research findings from bioremediation studies on marine shorelines, freshwater wetlands, and salt marshes
- Guidance on how to implement bioremediation in the field

The last topic is a summary of a guidance document, *Guidelines for the Bioremediation of Marine Shorelines and Freshwater Wetlands*, published this past year that covers all the factors that are needed to bioremediate an oil-contaminated environment. Case studies will include a report on bioremediation success at oil spill sites in northwestern Pennsylvania; Osage County, Oklahoma; and a film on the use of microbes to clean up petroleum-contaminated soil at an abandoned refinery in Wyoming.

Clandestine Drug Labs is designed to familiarize EPA responders with the latest trends in the recipes and methods of today's clandestine drug laboratories, as well as health and safety concerns related to such operations. The course will present case studies based on EPA's responses to drug laboratories and highlights the most prevalent type of laboratory, those that produce methamphetamine. A law enforcement official will discuss recent trends among users and producers of methamphetamine.

REGISTER ONLINE AT WWW.OSCREADINESS.ORG

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and will open on August 26, 2002 for other invited participants.

Registration will close on November 1, 2002.

Please register before that date.

Dangerous and Hazardous Buildings will increase awareness on the part of the responder about dangerous, unsafe, and hazardous conditions in structures. The course will review five types of construction and the hazards particular to each type, provide information about various types of building collapses and the indicators that precede the collapse of buildings, and emphasize safe operations in and around unsafe and dangerous buildings. The OSC RTB recommends this course for new OSCs.

Introduction to Explosive Recognition and Safety for OSCs will be instructed by representatives of the Bureau of Alcohol, Tobacco, and Firearms, U.S. Department of the Treasury. The course will focus on the recognition of explosives and safety practices in addressing such materials for OSCs. Topics will include identification of explosive materials, incidents, safety precautions, and protective measures. The OSC RTB recommends this course for new OSCs.

Response Issues at Pipeline Spills is designed to provide OSCs with an understanding of the issues and problems related to oil spill response at pipeline spills. The curriculum is appropriate for all levels of experience. The session will include an overview of the different types of oil pipelines, the various regulatory agencies, and the nature of the problem. Case studies will provide incident-specific issues and highlight various aspects of responses to pipeline incidents. Open and frank discussions will be strongly encouraged.

Safe Handling of Compressed and Liquefied Gases will provide a comprehensive understanding of the hazards involved in handling compressed and liquefied gases, as well as basic requirements for maintenance, use, and storage. Compressed and liquefied gases pose a variety of hazards because of their unique properties. Those hazards, along with the specific regulations governing containers, fittings, marking, and testing, offer a challenge in the safe use and management of cylinders. During the second half of the course, OSCs will present case studies that spotlight issues that have arisen during removal actions for compressed gas cylinders.

Category E: Prevention and Preparedness

Drill and Exercise Design will aid OSCs in creating a counter terrorism exercise that will play out the role of EPA in weapons of mass destruction (WMD) response. The workshop will be based on lessons learned from the design and development of a large scale WMD exercise being planned for EPA regions 3, 4, and 5.

Inland Oil Resources: Alternative Countermeasures for Oil Spills is designed to serve as an intermediate level course for OSCs. Over the last few years, alternative (non-mechanical) oil spill response methods have gained popularity and acceptance among industry, Federal responders, trustees, state agencies, members of Congress, and the entire oil spill response community. OSCs play a vital role in planning and using alternative countermeasures (ACM) through their participation on the Regional Response Team (RRT) and as responders to inland spills. Representatives of the RRT may be called to concur with in-situ burning (ISB), chemical, and biological countermeasures for marine and inland spills more often. The use of ISB, dispersants, surface washing agents (SWA), chemical sorbents, and other technologies have sparked controversy and confusion in all regions and areas. Many research efforts have helped to clear the air about toxicity, efficacy, and proper use of these tools, but conflicts and questions still arise.

OSCs, area planners, and representatives of the RRT will review case studies and learn about RRT efforts to expand the knowledge of OSCs beyond what is on the "Product Schedule." Efforts are underway to document how to use the products more appropriately. The course will include an expanded discussion of the "Selection Guide for Oil Spill Applied Technologies," as well as updates on ORD's support for NCP Subpart J rulemaking efforts and the Clean Waters and Estuaries Act of 2000. The course will profile several ISB events in the U.S. and dispersant operations in the Gulf of Mexico. The course also will provide an update on what ACM research EPA has conducted and plans for the future. All participants are encouraged to discuss their use of ACMs and lessons learned.

Memorandum of Agreement (MOA) on the Endangered Species Act (ESA) and Oil Spills will provide OSCs with an understanding of the ESA-Oil Spills MOA and approaches to implementing the MOA. The purpose of the MOA is to increase cooperation among the agencies involved in compliance of the ESA related to oil spill planning and response. Recent implementation guidance recommends approaches for coordinating consultation requirements specified in ESA regulations with pollution response responsibilities outlined in the NCP. Recent experiences with implementation of the MOA in oil spill response will be discussed.

Spill Prevention, Control, and Countermeasures (SPCC) and Facility Response Plan (FRP): "The New Rules" will provide OSCs with information about the revisions to 40 Code of Federal Regulations (CFR) part 112 which relate to SPCC plans and FRPs. On July 17, 2002, EPA issued a final rule amending the Oil Pollution Prevention regulation promulgated under the authority of the Federal Water Pollution Control Act (Clean Water Act). This rule addresses requirements for SPCC plans, and some provisions also may affect FRPs. The EPA proposed revisions to the SPCC rule in 1991, 1993, and 1997. The new SPCC rule addresses these revisions and becomes effective on August 16, 2002.

The instructors will provide a thorough overview of revisions to 40 CFR part 112. This course serves as a refresher to OSCs who conduct SPCC and FRP inspections. Additional topics will include jurisdiction discussions, new policies and interpretations, unannounced drills, and the SPCC Expedited Enforcement Program (SEEP). Participants also are encouraged to discuss their personal experiences in the field.



DEADLINES AND IMPORTANT TELEPHONE NUMBERS



Registration Information

Registration opens August 19, 2002 for **EPA OSCs ONLY**
Registration opens August 26, 2002 for all other invited participants
Registration closes on November 1, 2002
Register at: www.oscreadiness.org

For questions about registration, contact: Tetra Tech EM Inc. at (703) 390-0703 or by e-mail at christina.spellerberg@ttemi.com.

Lodging Information

Reserve your hotel room before October 11, 2002 by calling the Embassy Suites Phoenix-North in Phoenix, Arizona at (800) 527-7715 or (602) 375-1777. Be sure to mention that you are attending the EPA OSC Readiness Training Program to receive the government rate of \$90.00. **The deadline for hotel reservations is October 11, 2002.**

For questions about lodging, contact: Tetra Tech at (703) 390-0703 or by e-mail at jennifer.grund@ttemi.com.

Tech Zone Information

For further information or questions about the Tech Zone, please contact Ms. Kimberly Weinstein, Tetra Tech, by telephone at (703) 390-0611 or by e-mail at kimberly.weinstein@ttemi.com.

General Information

If you require further assistance related to the training program, please contact Ms. Jen Grund, Tetra Tech, by telephone at (703) 390-0603 or by e-mail at jennifer.grund@ttemi.com. The latest information about the training program is available at www.oscreadiness.org.

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