



Tribal Lands and Environment Forum: A National Conversation on Tribal Land and Water Resources

August 15-18, 2016

Mohegan Sun ~ Uncasville, Connecticut



The Mohegan Tribe's Royal Burial Ground.
This site will be featured as a field trip opportunity to the Uncas Leap Heritage Area.

Conference Booklet



The Institute for Tribal Environmental Professionals (ITEP) and the National Tribal Waste and Response Assistance Program (TWRAP) Steering Committee are proud to bring you the 2016 Tribal Lands and Environment: A National Conversation on Tribal Land and Water Resources. This event is made possible by a grant from the US Environmental Protection Agency's Office of Land and Emergency Management (OLEM) and Office of Water (OW).

Thank You to Our Host Tribe

The Tribal Lands and Environment Forum Team would like to sincerely thank the many members and employees of the Mohegan Tribe for their assistance and incredible generosity in planning this year's Forum.

Their assistance proved invaluable in planning many special field trips, providing a variety of artists who will be in the exhibitor/vendor area, participating in both our opening and closing plenaries, and sharing their stories in trainings and breakout sessions.

Throughout the Mohegan Sun you will find art and information that highlights the stories and history of our host tribe. We also encourage you to visit their website, which has a great deal of information about the Mohegan Tribe, at mohegan.nsn.us/



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About the Tribal Lands and Environment Forum

The 2016 Tribal Lands and Environment: A National Conversation on Tribal Land and Water Resources is a joint effort between the Institute for Tribal Environmental Professionals (ITEP), The National Tribal Waste and Response Assistance Program (TWRAP) Steering Committee, and USEPA's Office of Land and Emergency Management (OLEM) and Office of Water (OW). This is the sixth annual forum for environmental professionals from tribes, EPA, State/Local/Federal agencies, and other interested parties to meet, share knowledge and learn from one another how to improve management and protection of tribal lands and human health. Opportunities for discussion of budget and policy issues as well as technical updates and information will be available throughout the conference. Additionally, training sessions, tribe-to-tribe sharing, educational outreach projects, and many more sessions will enhance both learning and networking among attendees. The Tribal Lands and Environment Forum is made possible by funding from the US Environmental Protection Agency.

Forum Staff

On-site support staff are available to assist you during the forum and will be available at the registration table located on the Ballroom Level—down the escalators from the Lobby Level.

Registration

The Forum Registration table is available Sunday from 4:00pm to 6:00pm, Monday 6:30am to 6:00pm, and Tuesday from 7:00am to 12:00pm, on the Ballroom Level. Attendees were asked to sign up in advance for trainings and field trips; however, sign-up sheets will be available at the Registration table for those trainings and field trips with space available.

Refreshments

Light refreshments will be provided the morning of Monday, August 15, and the mornings and afternoons of Tuesday through Thursday. Refreshments will be located near the Forum Registration Desk on the Ballroom Level—down the escalators from the Lobby Level—in the Vendor/Exhibitor Room. (**Salon D**)

Raffle

Each attendee will receive one ticket when they register at the desk. Drawings will take place at the registration desk on Tuesday and Wednesday at noon. Winning numbers will be written up on the message board, so be sure to stop by the registration desk to see if you've won. A final raffle drawing will take place during the closing plenary on Thursday afternoon.

Photographs

Photographs will be taken during this publicly-sponsored event. Photos will be used for outreach by ITEP in the form of publications, websites, brochures, and other media.

Website for Conference Materials

After the conference, please visit ITEP's 2016 Tribal Lands and Environment Forum website to download pictures, presentations, handouts and other materials from the conference. A networking list of all attendees will also be available on this website. nau.edu/itep/main/conferences/confr_tlef

Evaluations

Evaluations will be conducted online after the forum. Requests to complete evaluations will be emailed to all participants. You will also be able to access the evaluation through the Tribal Lands and Environment Forum website at nau.edu/itep/main/conferences/confr_tlef

A History of the Mohegan Tribe



The Mohegan Tribe

The Mohegans were ancient members of the wolf clan of the Lenni Lenape (Delaware) nation, whose ancestors migrated to Upstate New York, then on to what is now Connecticut. Their nickname was “Pequot (aug),” meaning “invaders coming in.” In the early 1600's, a group of discontented “Pequots,” led by Uncas, crossed over to the western bank of the Thames River, at Shantok, to form a separate tribe. Claiming the old clan name of Mohegan, meaning “wolf people.” these Mohegans, under their new Sachem, Uncas (1598-1683), allied with the English colonists within their territory, providing warriors and support for that Non-Indian community from the Pequot War through the modern era.

By 1769, the young Connecticut Colony had outlawed the political authority of the Mohegan Sachemdom and infringed, greatly, on tribal territories, including burial grounds. This negative climate inspired Mohegan minister, the Reverend Samson Occum (1723-1792) to lead an exodus of Christian Indians to the Oneida Indian territory in Upstate New York. Occum created early writings in Native American Literature and went on to found Dartmouth College. His sister, Lucy Occum Tantaquidgeon (1733-1830), remained on Mohegan Hill and inspired the founding of Mohegan Church / School.

The Mohegan reservation had dwindled to a small territory by the 1800's, and between 1861 and 1873, remaining reservation lands were transferred into fee simple, with the exception of the Mohegan Church, which has always remained tribal land.

Modern Chiefs & Medicine Women

Twentieth century leaders included Chief Henry “Weegun” Mathews (1902-1903), Chief Lemuel “Occum” Fielding (1903-1928), Chief Everett Fielding (1929-1935), Chief Julian “Peegee Uncas” Fielding (1935-1937), Chief Burrill “Matahga” Fielding (1937-1952), Chief Ralph “G’tinemong” Sturges (1989-present), Medicine Woman Emma Baker (1828-1916), and Medicine Woman Gladys Tantaquidgeon (1899-2005). The current Medicine Woman is Melissa Tantaquidgeon Zobel. Since the 1990's, Mohegans have been led by an elected Tribal Council Chair, and a Chief who has maintained authority through traditional deference. The tribe's current Chair is Kevin “Red Eagle” Brown, a retired U.S. Army Colonel, and the Chief is Dr. Lynn “Many Hearts” Malerba.

Tantaquidgeon Museum

In 1931, John, Gladys and Harold Tantaquidgeon founded Tantaquidgeon Museum--- the oldest Indian-run museum in America. Featured in the collection are Mohegan and eastern woodland artifacts.

Shantok, Village of Uncas

Long sacred to the Mohegan, this site, about mile north of the main reservation, became a state park, in 1926, and was repurchased by the tribe, in 1998. These lands are the site of Sachem Uncas's original seventeenth century village and fortification.

Federal Recognition & Reservation Return

In 1994, the Mohegan tribe received federal recognition of its sovereignty from the United States Government, returning the tribe's reservations lands to trust status the following year. Today, the tribe is a thriving community of over 1,500 individuals, many of whom live in the surrounding area.

Please Note: The clipart included in this book depicts the Thirteen Moons of the Mohegan Tribe. You can find these moons throughout the Mohegan Sun, so be sure to seek them out while visiting!



About ITEP

The Institute for Tribal Environmental Professionals



The Institute for Tribal Environmental Professionals (ITEP) was created to act as a catalyst among tribal governments, research and technical resources at Northern Arizona University (NAU), various federal, state and local governments, and the private sector, in support of environmental protection of Native American natural resources. ITEP was established at NAU in 1992, and accomplishes its mission through several programs.

Tribal Waste and Response Assistance Program (TWRAP):

TWRAP provides training and assistance to tribes in the areas of concern such as solid waste, brownfields, contaminated sites, hazardous materials, underground storage tanks, and emergency response. TWRAP also provides targeted assistance to Alaska Native Villages.

Tribal Solid Waste Education and Assistance Program (TSWEAP):

TSWEAP is dedicated to providing tribal professionals working in the field of solid waste with trainings, technical assistance, peer-to-peer matching, and on-site mentoring opportunities. Assistance is provided with developing and implementing Tribal Integrated Solid Waste Management Plans, Tribal solid waste codes, and a variety of source reduction and waste diversion strategies.

Air Quality:

ITEP's American Indian Air Quality Training Program (AIAQTP) provides training and educational outreach for tribal environmental staff all over the United States, including Alaska. The various projects and services provided by AIAQTP include: Assisting in the building of tribal capacity for air quality management; Providing high-quality, up-to-date training that is immediately relevant to tribes; Enhancing communication skills to promote collaboration and networking.

Tribal Air Monitoring Support (TAMS) Center:

One of the key components of ITEP's air quality program is the TAMS Center which was created through a partnership between tribes, ITEP and the US EPA. It is the first technical training center designed specifically to meet the needs of tribes involved in air quality management and offers an array of training and support services to tribal air professionals.

Climate Change:

ITEP has developed a resource and training program to address tribal climate change issues. ITEP's efforts strive to help tribes to better understand climate change and to develop strategies for dealing with changing climate patterns through adaptation and mitigation, and emphasizes both science and traditional knowledge.

NEIEN:

ITEP is working with the Tribal Governance Group (TGG) and EPA's Office of Environmental Information (OEI) to support tribal involvement in the National Environmental Information Exchange Network (NEIEN or "Network"). The NEIEN is a collaborative endeavor that strives to support better environmental decisions through improved exchange of, and access to, environmental data and information. This effort will focus on expanding tribal participation in the NEIEN, which is guided by representatives from States, Territories, Tribes, and EPA. ITEP will work with tribes to facilitate a unified tribal voice amongst the NEIEN partners, and identify ways to help foster projects and initiatives that are both relevant and sustainable for tribes.

Education and Outreach:

The purpose of the Environmental Education Outreach Program (EEOP) is to interest Native American students in environmental careers and to assist schools in improving environmental science literacy.

Resources:

ITEP provides a large number of resources for tribes on a variety of environmental issues. Many of these resources have been collected from federal agencies, non-profit organizations, and other tribes. The resource clearinghouse is an invaluable asset to tribes as they develop their environmental program capacity. ITEP programs rely heavily on tribal input and participation. Tribal environmental professionals are recruited as instructors, researchers, advocates and collaborators, where their expertise and experience serves as a valuable resource and contributes significantly to ITEP's success.

About TWRAP



The Tribal Waste and Response Assistance Program

Since 2008 ITEP has worked in cooperation with the USEPA's Office of Land and Emergency Management (OLEM) under the Tribal Waste and Response Assistance Program (TWRAP). The activities of this program include:

- Working with the TWRAP Steering Committee, a Tribal Partnership Group composed of tribal professionals working in the fields of waste management, contaminated sites (including Superfund and federal facilities), Underground Storage Tanks, brownfields, and emergency response programs. This steering committee works closely with ITEP on all tasks associated with this program, and ensure a two-way communication between tribes and OLEM.
- Delivering the annual Tribal Lands and Environment Forum, as well as special trainings. You are at the sixth Forum and we hope you find it interesting and useful!
- Working with the Tribal Superfund Working Group, by coordinating national conference calls, developing special online resources to assist tribal professionals working on Superfund-related issues, and conducting special trainings at Superfund sites affecting tribal lands.
- Conducting ongoing outreach to tribes, through our listserv, the bi-monthly e-newsletter *Full Circle*, and by developing special online resources and mentoring opportunities, including our onsite mentoring project. To learn more about onsite mentoring visit our website at: http://www7.nau.edu/itep/main/Waste/waste_mentors

The TWRAP National Steering Committee

Since 2009, ITEP has been assisted in our work by the national Tribal Waste and Response Assistance Program (TWRAP) Steering Committee. Through in-person meetings, conference calls, and attendance at ITEP events, committee members make sure that both ITEP and OLEM are aware of tribal priorities and concerns. To this end they produce an annual Priority Document that is shared with the National Tribal Caucus and senior management at USEPA. Steering committee members also serve as instructors at ITEP courses, work as mentors to other tribal professionals, provide feedback to ITEP and OLEM on program activities, and make this forum possible! Thank you to all the steering committee members—past and present—for all their hard work

- Victoria Flowers, Oneida Nation
- Alex James, Yakutat Tlingit Tribe
- Tim Kent, Quapaw Tribe
- Victoria (Sissy) Kotongan, Native Village of Unalakleet (chair)
- Katie Kruse, Keweenaw Bay Indian Community
- Virginia LeClere, Prairie Band Potawatomi Nation
- Arvind Patel, Pueblo of Acoma (vice-chair)
- Rob Roy, La Jolla Band of Luiseno Indians
- Elliott Talgo, San Carlos Apache Tribe
- John Wheaton, Nez Perce Tribe



Members of the TWRAP Steering Committee meet with Mohegan Tribal officials in April of 2016



Agenda ~ At a Glance

Monday, August 15: Training Sessions and Field Trips

Oneida/Penobscot	10:00 am to 5:00 pm: Greening Tribal Facilities and Mohegan Sun Tour
Passamaquoddy/ Brothertown	8:00 am to 12:00 pm: I28(a) Tribal Response Program (Brownfields) I01 1:00 pm to 5:00 pm: Brownfields Tools to Engage Community and Assess Health Risks
Schaghticoke	8:00 am to 5:00 pm: Superfund Radiation Risk Assessment
Narragansett	8:00 am to 5:00: Eight Hour HAZWOPER Refresher
Shinnecock/Nipmuc	8:00 am to 5:00: Administering Environmental Protection Programs to Advance Tribal Environmental Sovereignty and Self-Governance: The Continuing Relevance of EPA's 1984 Indian Policy and 1992 GAP Statute
Abenaki	8:00 am to 12:00 pm: National Incident Management Systems (NIMS) and Incident Command System (ICS) 1:00 pm to 5:00 pm: Hazardous Waste Program Inspections and Emergency Response
Nehantic/Pequot	8:00 am to 5:00 pm: Water and Wastewater Utility Operation, Maintenance, and Management (CEUs Provided) - Please note this training continues on Tuesday morning
Paugussett	8:00 am to 5:00 pm: One-On-One WQX Data Submission Assistance (Available throughout the TLEF; appointments necessary—see page 13 for details)
Hotel Lobby	8:00 am to 5:00 pm: Field trip to the New Bedford Harbor Superfund Site—meet in the hotel lobby prior to 8:00 am as that is when the bus will leave

Tuesday Morning, August 16: Training Sessions

Oneida/Penobscot	8:00 am to 12:00 pm: Restoring the Carbon Nitrogen Balance of the Earth—Soil, Water, Species and Human Safety
Passamaquoddy/ Brothertown	8:00 am to 12:00 pm: USEPA Exchange Network and E-Enterprise for the Environment—A Special Information Sharing Event
Schaghticoke	8:00 am to 12:00 pm: Training/Exercise on Response to Crude Oil by Rail Incidents
Narragansett	8:00 am to 12:00 pm: Best Management Approaches to Remediation
Shinnecock/Nipmuc	8:00 am to 12:00 pm: Developing EPA-Tribal Environmental Plans (ETEPA) and Strategic Planning for Tribal Environmental Programs
Abenaki	8:00 am to 12:00 pm: Communicating Water Through Story, Presentation, and Effective Messaging
Nehantic/Pequot	8:00 am to 12:00 pm: Water and Wastewater Utility Operation, Maintenance, and Management (CEUs Provided) - Continued from Monday

Tuesday, August 16 - Field Trips: Meet in the Lobby prior to 8 am, when the bus departs

Hotel Lobby	8:00 am to 12:00 pm: Field Trip to North Haven RCRA Site (Pharmacia & Upjohn Company Facility)
Hotel Lobby	8:00 am to 12:00 pm: Field Trip to Uncas Leap and Willimantic Whitewater Partnership Sites

Agenda ~ At a Glance



Tuesday Afternoon, August 16: Opening Plenary

1:30 PM-3:00 PM: Uncas Ballroom, Lower Level

1:30 pm to 3:00 pm	Mohegan Tribe Color Guard and Welcoming Remarks Invocation by Lynn Malerba, Mohegan Tribal Chief Featured Speakers: Melissa Zobel, Mohegan Tribe's Cultural and Community Program Executive Director and Curt Spalding, USEPA Region I Administrator
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Tuesday Afternoon, August 16: Breakout Sessions

3:30 PM-5:00 PM Break-Out Sessions

Oneida/Penobscot	Developing and Implementing Tribal Solid and Hazardous Waste Programs Under GAP
Passamaquoddy/ Brothertown	Phase I and II Site Assessments
Schaghticoke	A Conversation with Nitin Natarajan, OLEM Deputy Assistant Administrator and Senior Management for OSRTI, FFRRO, OCPA, OBLR, OEM, and ORCR
Narragansett	Orientation to the UST Program and Been There, Done That: UST Program Implementation Stories
Shinnecock/Nipmuc	Environmental Justice, Tribes and Indigenous Peoples and Climate Change on Tribal Lands: Approaches to Collaborative Adaptation
Abenaki	The Penobscot River Restoration Project and Monitoring Water Quality and Benthic Macroinvertebrates Pre and Post Dam Removal on the Penobscot River Restoration Project
Nehantic/Pequot	Tribal Infrastructure Task Force Meeting with members of the National Tribal Water Council, ITF and USEPA

Wednesday Morning, August 17: Breakout Sessions

8:30 AM-10:00 AM Break-Out Sessions

Oneida/Penobscot	Backhaul Successes from the North and Santa Ynez Chumash Zero Waste Initiatives
Passamaquoddy/ Brothertown	Developing Tribal Cleanup Standards
Schaghticoke	Mining on Tribal Lands
Narragansett	Office Hours with Carolyn Hoskinson, OUST Director and Upcoming UST Regulatory Deadlines
Shinnecock/Nipmuc	Drones and Their Use in Environmental Protection and How to Combine Tribal and Non-Tribal Resources During Disasters
Abenaki	Management of the Ogallala Aquifer on the Rosebud Reservation
Nehantic/Pequot	Establishing Tribal Water Quality Programs Under GAP and A Discussion with the National Tribal Water Council and USEPA Office of Water Senior Management

Wednesday Morning, August 17: Multi Media Meetup

10:30 AM-12:00 PM: Uncas Ballroom, Lower Level

Join us in the Uncas ballroom during this breakout period for our first Multi Media Meetup. Numerous information tables, demonstrations, and poster presentations will be available for you during this special networking and educational event. See page 22 for more information.



Agenda ~ At a Glance

Wednesday Afternoon, August 17: Breakout Sessions

1:30 PM-3:00 PM Break-Out Sessions

Oneida/Penobscot	USEPA Sustainable Management of Food Programs and the 2030 Food Loss and Waste Reduction Goal and The Mohegan Tribe's Waste Food Recycling Program
Passamaquoddy/ Brothertown	Office Hours with David Lloyd, OBLR Director
Schaghticoke	Tribal Superfund Working Group Meeting
Narragansett	Things to Watch For When Using Commercial Insurance Policy As Your Financial Assurance Mechanism
Shinnecock/Nipmuc	Enacting and Enforcing Tribal Law to Restore Natural Resources—Part One: The Tribal Law and How It Works and Part Two: Applying the Tribal Law in a Workshop Setting (Continued at 3:30 pm)
Abenaki	Developing a Clean Water Act Monitoring Program and Developing Clean Water Act Section 106 Assessment Reports
Nehantic/Pequot	Breaking New Ground on Wetland Monitoring and Assessment—Newly Released Results of the 2011 National Wetland Assessment and Mannomin - Research, Restoration, Protection

Wednesday Afternoon, August 17: Breakout Sessions

3:30 PM-5:00 PM Break-Out Sessions

Oneida/Penobscot	Interagency Infrastructure Taskforce Report on Solid Waste in Indian Country
Passamaquoddy/ Brothertown	Prepare A Successful Site Specific Quality Assessment Project Plan Addenda (Phase II Work Plan)
Schaghticoke	Grants Mining District, NM—Legacy Uranium Mining and Navajo Abandoned Uranium Mines
Narragansett	Emergency Spill Response Under OPA—A Tribal Perspective and ENIPC UST Site Vulnerability Study and Program Updates
Shinnecock/Nipmuc	Enacting and Enforcing Tribal Law to Restore Natural Resources—Part Three: The Role of Science and Economics in Supporting Tribal Law and Part Four: Tribal Restoration Projects That Will Withstand the Challenge of Climate Change
Abenaki	Overview of Water Data Sharing Using WQX and Region 6 Water Quality Reporting Pilot
Nehantic/Pequot	Protecting Tribal Reservation Waters Through Proposed Federal Tribal Water Quality Standards and Clean Water Act Treatment As A State—New Developments and Opportunities

Thursday Morning, August 18: Breakout Sessions

8:30 AM-10:00 AM Break-Out Sessions

Oneida/Penobscot	How to Prepare Now for the Future of Tribal Solid Waste Program Funding for Cleanups and New Mexico State Government RAID Grants for Solid Waste Projects
Passamaquoddy/ Brothertown	Outreach—Mohawk Style and Using Student Interns—Results Today, Investments for the Future
Schaghticoke	Working with Tribes During Superfund Responses
Narragansett	Corrosion in Diesel Storage Tanks and Choctaw Nation Success with UST Regulatory Benefits
Shinnecock/Nipmuc	Expediting the Federal Environmental Review Process in Indian Country
Abenaki	Tribal Water Quality Standards—A Panel Presentation
Nehantic/Pequot	PrivateWellClass.org—An Online Program for Educating Private Well Owners and Drinking Water Utility Water Loss and Prevention

Agenda ~ At a Glance



Thursday Morning, August 18: Breakout Sessions

10:30 AM-12:00 PM Break-Out Sessions

Oneida/Penobscot	Managing and Transforming Waste Streams and Effectively Strategizing to Improve Solid Waste Management in Santo Domingo Pueblo
Passamaquoddy/ Brothertown	Tribal Response and Oversight and Brownfield RFP/TRP Success Stories
Schaghticoke	Soil Sampling and Decision Making Using Incremental Sampling Methodology
Narragansett	PVIScreen—An Innovative Tool to Assess Petroleum Vapor Intrusion
Shinnecock/Nipmuc	Innovative Strategies and Tools to Increase Sustainable Behaviors and Solar Projects in Indian Country
Abenaki	Understanding Harmful Algal Blooms and Their Potential Impacts and Muscogee (Creek) Nation—Open Source Applications for Water Quality and Emergency Response
Nehantic/Pequot	10 Years at 10 PRB—Arsenic in Drinking Water and Protecting Tribal Homes and Infrastructure from the Ravages of Climate Change at Passamaquoddy Tribe at Pleasant Point

Thursday Afternoon, August 18: Breakout Sessions

1:30 PM-3:00 PM Break-Out Sessions

Oneida/Penobscot	Make Your Voice Count in the RCRA Decision-Making Process and Are You Satisfied with Your Outreach Efforts?
Passamaquoddy/ Brothertown	Using Brownfields to Assess Tribal Housing Problems
Schaghticoke	Tribal-Led Remediation at the Tar Creek Superfund Site and The Lake Superior Barrel Project
Narragansett	LUST Sites—Protecting Ground Water Supplies
Shinnecock/Nipmuc	Rebuilding an Awesome Environmental Compliance Program on Akimel O’odham Land and USEPA Guidance for Discussing Tribal Treaty Rights
Abenaki	Idaho Tribal Fish Consumption Survey—Protecting High Fish Consumers Through the Clean Water Act and Benefit of Sea-Run Alewives for Ecosystem Restoration and Food Fisheries
Nehantic/Pequot	Non-Point Source Restoration Activities Following Catastrophic Wildfires on the Fort Apache Indian Reservation and Integrating the Protection of Healthy Waters in Tribal Clean Water Act Section 319 and Other Water Quality Programs

Thursday Afternoon, August 17: Closing Plenary

3:30 PM-5:00 PM: Uncas Ballroom, Lower Level

3:30—4:00 pm	Final raffle, closing remarks, and ‘A Taste of New England Summer’ Refreshments
4:00—5:00 pm	Special Performances by Mohegan Tribal Drummers and final remarks from Lynn Malerba, Mohegan Tribal Chief

Maple Sugar Moon





Detailed Agenda ~ Monday, August 15

Time	Topic	Location
10:00 am - 5:00 pm	Greening Tribal Facilities and Mohegan Sun Tour Details: This special six-hour training will look at a variety of strategies to increase the efficiency, and overall environmental sustainability of Tribal facilities. Presenters will address issues such as waste diversion, minimizing food waste, energy conservation, increasing energy efficiency, and other strategies. This training will also feature a tour of the many sustainability practices the Mohegan Tribe has put into place at the Mohegan Sun. Instructors: Jean McInnis, Mohegan Tribe; Shannon Judd, Fond du Lac Band of Lake Superior Chipewewa; Julie Jurkowski, ITEP; Nitin Natarajan, USEPA	Oneida/Penobscot
8:00 am—12:00 pm	128(a) Tribal Response Program (Brownfields) 101 Details: This training is an introduction to the CERCLA 128(a) Tribal Response Program for Brownfields. This training is for tribal staff or managers that are relatively new to the Brownfields program and the requirements of the US EPA 128(a) Tribal Response Program (TRP) grants. The training will be based upon materials developed specifically for tribes by the trainer for the US EPA. Skills learned will be effective implementation of the 4 Elements of the US EPA 128(a) Grant. Out comes will be the "establishment and enhancement" of the tribal brownfields program. No base knowledge of the program is required for this session. Instructor: Mickey Hartnett, Envirofields	Passamaquoddy/ Brothertown
1:00 pm– 5:00 pm	Brownfields Tools to Engage Community and Assess Health Risks Details: This interactive session will introduce tools and resources created by the Agency for Toxic Substances and Disease Registry (ATSDR) National Brownfields/Land Reuse Health Initiative. To encourage "healthy redevelopment", ATSDR creates resources to help communities consider health in revitalization plans. Three ATSDR resources will be discussed. The first is the ATSDR Brownfields/Land Revitalization Action Model, a four-step framework to engage communities in land reuse planning. The second is the ATSDR Brownfields/Land Reuse Site Tool. This Tool is an inventory database and a rapid site screening/multiple chemical exposure dose calculating tool that allows users to assess sites by past/future use, institutional controls, sensitive populations, and suspected or confirmed contamination. The third is the ATSDR Dose Calculator, which is a computer program that allows users to calculate the amount of a toxic substance an individual may be exposed to. Participants will practice using the ATSDR Action Model Toolkit, and should leave the session feeling confident that they can replicate an Action Model process in their communities. Participants will also practice using the ATSDR Brownfields/Land Reuse Site tool as well as the Dose Calculator to enter an inventory and evaluate the public health implications of exposures based on sampling data. Instructor: Gary Perlman, ATSDR	Passamaquoddy/ Brothertown
8:00 am—5:00 pm	Superfund Radiation Risk Assessment Details: This full-day advanced course focuses on specific technical and regulatory issues that site managers and technical staff address when managing sites under the US EPA Superfund remediation program that have a risk assessment conducted for radioactive contaminants. Participants will achieve the following objectives: •Learn a step-by-step approach to the Superfund remedial program risk assessment process for radioactive contamination. The course discusses of the major steps in Superfund remedial program risk assessment for radioactive contamination and the EPA recommended guidance documents and calculators and or models for conducting such risk assessments. •Explore methods for conducting site-specific risk assessments. The course examines how to alter the default input parameters in the Superfund remedial program risk and dose assessment calculators. •Discover practical recommendations for improving the radiation risk assessments conducted at your site. The course stresses some obvious and other less obvious aspects helpful in improving the radiation risk assessment process. •Master information about the radiation risk assessment process. Participants obtain information from experienced professionals about the radiation risk assessment process. The instructional methodology for this course includes lectures and demonstrations of using EPA risk and dose assessment calculators developed by the Superfund remedial program. Instructors: Stuart Walker, USEPA and Fred Dolislager, Oak Ridge National Lab	Schaghticoke

Detailed Agenda ~ Monday, August 15



Time	Topic	Location
8:00 am – 5:00 pm	<p>HAZWOPER 8-Hour Refresher</p> <p>Details: This certification training course meets OSHA 29 CFR 1910.120 standards for 8 hours of refresher training for hazardous waste site workers. Course topics include OSHA regulations, toxicology principles, work place hazards, personal protective equipment, hazardous chemicals, and decontamination standards To be certified for HAZWOPER 8-hour Refresher, <u>participants must attend all eight hours and bring proof of completing the 40 Hour HAZWOPER and/or 8 Hour Refresher courses.</u></p> <p>Instructor: Roberta Tohannie, ITEP</p>	Narragansett
8:00 am – 5:00 pm	<p>Administering Environmental Protection Programs to Advance Tribal Environmental Sovereignty and Self-Governance: The Continuing Relevance of EPA’s 1984 Indian Policy and 1992 GAP Statute</p> <p>Details: The 1984 “EPA Policy for the Administration of Environmental Programs on Indian Reservations” and the 1992 “Indian Environmental General Assistance Program Act” (GAP) are based on the notion that tribal governments are the appropriate non-Federal parties for carrying out environmental program implementation responsibilities for Indian country. These documents continue to guide EPA in its work with tribes and help EPA fulfill its mission in a manner that promotes tribal “self-government.” This training session will cover the history and content of the 1984 Indian Policy and the 1992 GAP statute. Participants will learn: (1) The legal basis for EPA’s tribal program as expressed through the 1984 Indian Policy; (2) The authority to fund tribal capacity to administer environmental protection programs under the GAP statute; and (3) how these foundational documents continue to support tribal self-governance today.</p> <p>Instructors: Professor James Grijalva, Director Northern Plains Indian Law Center’s Tribal Environmental Law Project, University of North Dakota School of Law and Professor Eric Eberhard, Distinguished Indian Law Practitioner in Residence and Fellow, Center for Indian Law and Policy, Seattle University School of Law</p> <p>Moderator: Abby Kardel and Luke Jones, USEPA</p>	Shinneckock/ Nipmuk
8:00 am– 12:00 pm	<p>National Incident Management System (NIMS) and Incident Command System (ICS) Training</p> <p>Details: The first two hours of this training will introduce attendees to the National Incident Response Management System (NIMS), the role of tribes in NIMS, and opportunities for tribal assistance and capacity building by participating in NIMS and being able to effectively prepare and respond to environmental and public health incidents in Indian Country. The afternoon session will focus on providing tribal environmental leaders with the fundamental skills necessary to create an effective response program.</p> <p>Instructors: Gary Lipson and Nick Nichols, USEPA and Richard Quinlan, FEMA</p>	Abenaki
1:00 pm– 5:00 pm	<p>Hazardous Waste Program Inspections & Emergency Response</p> <p>Details: In this session GRIC DEQ will present information on how to conduct hazardous waste and chemical safety inspections. This will include what we have learned from our experience with program development, environmental law enforcement, safety, emergency response and other aspects of implementing U.S. EPA and tribal programs. Information will include: • Common hazardous chemicals and where they are found. • How to identify chemicals, chemical wastes, and their hazards. • How to safely store chemicals and their wastes. • How to plan for and prevent chemical emergencies • How to clean up chemicals when they spill or catch fire. • How to respond to chemical emergencies, spills, fires, explosions and other releases. • Personnel safety and sampling considerations. • EPA and tribal laws for site access and inspections. • How to conduct chemical waste and safety inspections. • Designing tribal waste laws and integrated waste management plans. • Practical examples and plans.</p> <p>Instructors: Dale Anderson and Rudy Mix, Gila River Indian Community</p>	Abenaki



Detailed Agenda ~ Monday, August 15

Time	Topic	Location
8:00 am– 5:00 pm	<p>Water & Wastewater Utility Operation, Maintenance and Management Training</p> <p>Details: This workshop is designed for water & wastewater operators and managers to help increase their skills and knowledge in the operation of water & wastewater treatment systems. Over 600 participants have attended the same workshop in 17 locations with highly positive reviews. The workshop will use presentations, case studies, and group exercises to promote utility sustainability and instruct participants on how best to operate, troubleshoot, maintain and manage drinking water & wastewater collection treatment and disposal systems, covering: • Water & wastewater collection system management; • Water & wastewater treatment system operation and maintenance (O&M); • Decentralized system O&M and management; • Operator and management roles and responsibilities; • Developing rate structures to support utility operations; • Asset management to ensure system sustainability; and • Resiliency planning to respond to and recover from extreme events. <u>This training will continue Tuesday morning</u> and CEU credits will be available.</p> <p>Instructors: Mark Nelson and Joe Longo, Horsley Witten Group, Inc.</p>	Nehantic/Pequot
8:00 am—5:00 pm Additional times available during the TLEF	<p>WQX Data Submission Opportunity</p> <p>Details: We will work with you to schedule a one-on-one appointments for the Conference. We have listed the available time slots below. Please note: appointments can be made to receive both WQX Web and WQX/Node submitting assistance. Each one-on-one appointment will review the Tribe's data, identify submission challenges and work to submit data and/or set up a plan to follow-up with the Tribe to resolve any outstanding issues. We also welcome other non-appointment visits, as we can still discuss data questions and set up a plan for follow-up as well.</p> <ul style="list-style-type: none"> • Available Appointment Times <ul style="list-style-type: none"> ◇ Monday, August 15th- 9am, 10:30am, 1pm, & 3:30pm ◇ Tuesday, August 16th- 9am, 10:30 am, & 3:30pm ◇ Wednesday, August 17th- 9am, 10:30am, 1pm, & 3:30pm ◇ Thursday, August 18th - 9am, 10:30am, & 1pm <p>If you are interested in scheduling an individual appointment during the TLEF please email STORET@epa.gov. In the subject line please write WQX Appointment Request. Include in your email message the following information:</p> <ul style="list-style-type: none"> • Tribe's Name • Primary Contact Name • Primary Contact Phone • Primary Contact Email • Your 1st, 2nd, & 3rd time preferences for appointments. • If you know your Org ID & User ID, please include that information as well. • A summary of the assistance you will require 	Paugussett
8:00 am—5:00 pm	<p>Field Trip to New Bedford Harbor</p> <p>Details: New Bedford Harbor is an 18,000 acre Superfund site that is an urban tidal estuary with sediments which are highly contaminated with polychlorinated biphenyls (PCBs) and heavy metals. At least two manufacturers in the area used PCBs while producing electric devices from 1940 to the late 1970s. These facilities discharged industrial wastes containing PCBs directly into the harbor and indirectly through the city sewer system. EPA has been performing hydraulic dredging of the harbor since 2004. EPA also performs air monitoring during the active cleanup of New Bedford Harbor to confirm that the dredging, de-sanding, de-watering or water treatment operations do not cause elevated levels of airborne PCBs that could pose an unacceptable risk to public health. Please Note: The bus will be leaving for this all-day field trip at 8:00 am, so be down in the hotel lobby early to make sure you don't miss the bus! Attendees <u>pre-registered</u> for this field trip. If you are on the waiting list for this trip, be at the bus and we will get you on if there are any available seats.</p>	Hotel Lobby

Detailed Agenda ~ Tuesday, August 16



Time	Topic	Location
8:00 am – 12:00 pm	<p>Restoring the Carbon Nitrogen Balance of the Earth: Soil, Water, Species and Human Safety</p> <p>Details: Restoring the Carbon Nitrogen Balance of the Earth: Soil, Water, Species and Human Safety: Tribal, local knowledge and the practice of validated ecological design and engineering have many and fruitful overlapping sets of know-how and protocols, with many successful, built examples. The presenters will provide through brief lectures and hands on work with workshop participants, in a charrette type set-up, learnings on how to devise culturally relevant and effective infrastructure and building projects that exploit the fecund earth, water, sky, and species bounty of Native America for a safe and sustainable future in the face of climate change adaptation. Such planning and projects use the fantastic wealth of Native American landscape/seascape assets for providing secure and healthy food supplies, energy resources, environmental and future proofed compliance, while at the same time affording Tribal governments and tribal entrepreneurs ready, proven business opportunities for profitable industries for both domestic consumption and export to the United States.</p> <p>Instructors: John Todd, Professor Emeritus of University of Vermont and President of John Todd Ecological Design; Robert Gough, Intertribal Council on Utility Policy; Brian Thunderhawk, Standing Rock Sioux Tribe; Dr. David Benjamin, better Inc.</p>	Oneida/ Penobscot
8:00 am – 12:00 pm	<p>USEPA Exchange Network and E-Enterprise for the Environment: A Special Information Sharing Event</p> <p>Details: This special four-hour training and information sharing event will introduce attendees to a variety of tools and resources to assist them in managing their environmental programs. This training and sharing event will include the following topics and presenters: • Introduction by Tribal and USEPA Staff – Featuring BryAnna Vaughan, Bishop Paiute Tribe and Angie Reed, Penobscot Nation; Andy Battin, USEPA E-Enterprise for the Environment and Matt Leopard, USEPA Office of Environmental Information • Successful Tribal Environmental Network Projects: Featuring BryAnna Vaughan, Bishop Paiute Tribe and Angie Reed, Penobscot Nation • Utilizing the Exchange Network to Update Tribal Facility Registry Services (FRS) Data: Featuring David Smith, USEPA Office of Environmental Information • Tribal Road Map for Water Quality (A Joint Tribal/USEPA Governance Project): Featuring Angie Reed, Penobscot Nation and Laura Shumway, USEPA Office Of Water • Panel Discussion with EPA and Tribal Staff: Featuring BryAnna Vaughan, Bishop-Paiute Tribe and Angie Reed, Penobscot Nation; Andy Battin, USEPA E-Enterprise for the Environment and Matt Leopard, USEPA Office of Environmental Information; and Lynn Capuano, E-Enterprise/Exchange Network Executive Coordinator</p>	Passamaquoddy/ Brothertown
8:00 am—12:00 pm	<p>Training/Exercise on Response to Crude Oil By Rail Incidents</p> <p>Details: This 4 hour awareness level session is designed for Tribal officials involved in contingency planning, emergency management, environmental protection and public safety whose job functions may cause them to be involved in railroad accident response involving High Hazard Flammable Liquids (HHFTs) such as Bakken crude oil and ethanol. The training will be a customized version of an 8 hour version which is currently being presented at multiple venues in EPA Region 5, where audience sizes range from 50-200 participants. Participants have included Tribal, local non –Tribal, and state and federal response agencies. The training content includes modular presentations focused on: • Planning and preparedness, • Response regulations, • Incident management principles, • Response Organization, • Railroad Resources, Hazard Evaluation and Risk Assessment, • Operational Tactics and Strategies, • Personal Protective Equipment, • Public health and Worker safety, • post emergency environmental cleanup and monitoring, • Case studies of actual response to recent railroad crude oil events. The session will conclude with a simple tabletop exercise/panel discussion of response considerations relating to a hypothetical incident depicted in a video animation. This is designed with the intent to provide audience members with an opportunity to apply concepts emphasized in the modules.</p> <p>Presenters: Ralph Dollhopf and Paul Ruesch, USEPA; Ryan Prewitt, CSX Transportation</p>	Schaghticoke



Detailed Agenda ~ Tuesday, August 16

Time	Topic	Location
8:00 am – 12:00 pm	Best Management Approaches to Remediation Details: USEPA’s Office of Underground Storage Tanks (OUST) and Office of Superfund Remediation and Technology Innovation (OSRTI) developed training on best practices for site assessment and remediation. The course explores experiences and resulting best practices from extensive work at underground storage tank (UST), Brownfields, and Superfund sites. This session includes a perspective on corrective action at leaking UST sites on the Oglala Lakota Nation and topics such as innovative analytical techniques, sampling strategies, and remediation technologies that can be applied at sites contaminated with petroleum hydrocarbons, chlorinated solvents or other constituents. This session provides an overview of best practices associated with site characterization such as use of a conceptual site model life cycle, direct sensing tools, collaborative data sets, and high-resolution site characterization techniques. The focus includes best practices, considerations, challenges, and innovative strategies to optimize remediation approaches at petroleum contaminated sites. Remediation technologies include those commonly performed at petroleum sites such as soil vapor extraction, air sparging, pump and treat, as well as more commonly used in situ technologies such as chemical oxidation and enhanced biological processes. Presenters: Steve Dymont, USEPA	Narragansett
8:00 am – 12:00 pm	Developing an EPA-Tribal ETEP— A Step by Step Blueprint AND Strategic Planning for Tribal Environmental Programs Details: An EPA-Tribal Environmental Plan (ETEP) can help a tribe achieve its environmental and sustainability goals in the most effective, enduring manner possible. An ETEP can be a strategic work plan that keeps your programs on track and maximizes the use of available resources, and becomes the most important and powerful tool that a tribal environmental program develops and implements. During this session, the presenter will describe what an ETEP is, where it came from, what its purpose is, and what it is supposed to include. The presenter will show a step-by-step process on how to prepare a living, adaptable ETEP and how this approach has been applied at multiple tribal environmental departments. It will also be explained how an ETEP can be used to produce GAP work plans on an ongoing basis, and how an ETEP can be used to guide all other environmental programs and initiatives. Details: Developing and implementing a strategic plan is perhaps the most important and powerful activity that any organization can undertake. Effective strategic planning and management clarifies an organization’s highest goals, creates and maintains alignment with those goals, and optimizes resources. When done well, strategic planning and management also leads to manageable and proactive shifts in an organization’s direction when circumstances inevitably change. During this session, the presenter will describe the elements and process of developing and implementing a “living” strategic plan that is designed to be utilized on an ongoing basis to guide tribal environmental programs. It will be explained how a strategic plan can be linked to an EPA-Tribal Environmental Plan (ETEP) in a seamless manner, resulting in a system that will allow an environmental program to organize, track, and report objectives, performance metrics, resources, and other important information. The presenter will share examples of how these strategic planning tools and process has been applied at multiple tribal environmental departments. Presenter: Josh Simmons, Prosper Sustainably	Shinnecock/ Nipmuk
8:00 am—12:00 pm	Water & Wastewater Utility Operation, Maintenance and Management Training (Continued from Monday) Details: This is a continuation of the training started on Monday. Please see page 13 for details on this training.	Nehantic/ Pequot

Detailed Agenda ~ Tuesday, August 16



Time	Topic	Location
8:00 am – 12:00 pm	Communicating Water Through Story, Presentation and Effective Messaging Details: Communicating Water is designed to help Tribal Utility and Environmental Programs tell a better story and deliver a stronger message about the importance of protecting and conserving water. Participants will learn and practice new techniques and approaches to presenting the work they do to protect Tribal water resources. This workshop is designed to: a) improve participant's ability to turn dry numbers into a compelling story, and b) help students create the key elements of an effective messaging campaign so they can build their story and take it to the Tribal Community and Council. The workshop will be broken into the three following sessions. 1. Connecting with Others Through Story: What makes an effective story? Why is story important to moving your audience and how does it trigger action? Participants will understand the concepts and construction of a powerful story in order to be able to use story as a tool to move forward issues with limited visibility or that are contentious. This session will include a group storytelling exercise. 2. Crafting a Presentation That Inspires: Learn how you can make a more effective and powerful Powerpoint presentation. Understand the structure and tools needed for effective technical or non-technical presentations to diverse audience types. Participants will learn to incorporate multi-media to create a visually striking and compelling presentation. 3. Framing Your Message: Learn techniques to develop a strong and persuasive message, framed for your audience. Build on the techniques above (storytelling, powerful presentations) to create a message that will motivate your community. Participants will learn a simple problem-solution-action approach to developing a powerful message. This session will include a group messaging exercise. Presenter: Sarah Diefendorf, EFCWest	Abenaki
8:00 am—12:00 pm	Field Trip to North Haven RCRA Site Details: This site is Region 1's flagship RCRA Corrective Action site. Components of the remedy include a pump and treat system, a one mile hydraulic barrier wall, in situ thermal remediation, and onsite soil/sediment management. The site-wide remedy allows for future redevelopment of the property's west side for commercial or light industrial use; the restoration of more than 60 acres of wetlands and meadow habitat along the Quinnipiac River; and walking trails for guided viewing and interpretative environmental education. <u>Please Note:</u> The bus will be leaving for this morning field trip at 8:00 am, so be down in the hotel lobby early to make sure you don't miss the bus! Attendees <u>pre-registered</u> for this field trip. If you are on the waiting list for this trip, be at the bus and we will get you on if there are any available seats.	Hotel Lobby
8:00 am—12:00 pm	Field Trip to Uncas Leap/Willimantic Sites Details: Uncas Leap Falls is a 1.2 acre parcel in Norwich, CT. The site overlooks the Yantic River and majestic Yantic Falls. It consists of a two-story granite mill building constructed in the 1830s, a one-story brick mill building, a gravel parking area and limited green space. The site has previously been utilized for the manufacturing of goods. The importance of Uncas Leap Falls is not just in the architectural character of its buildings, but in its significant contributions Sachem Uncas made to the Mohegan Tribe. The site has held a sacred place in the history of the Mohegan Tribe since 1648. The Willimantic Site is approximately 3.45 acres in size and currently contains one building, a former gas station. Past uses at the site include: a textile mill from 1820-1940; building materials salvage yard, including dismantling of stone mill buildings, until circa 1960; and a gasoline station/fuel oil depot/car wash from circa 1962 to circa 2002. Soil at the site is contaminated with polyaromatic hydrocarbons and heavy metals. The Willimantic Whitewater Partnership group has played an integral role in remediating this site. The Willimantic Whitewater Partnership (WWP) is a community-based nonprofit organization dedicated to recapturing the waterfront of the Willimantic River. In particular, the Partnership seeks to increase safe access to the river for residents through the development of an urban waterfront park, restore fish passage through dam modification and in-stream habitat improvements, and establish the first public whitewater park in the region. <u>Please Note:</u> The bus will be leaving for this morning field trip at 8:00 am, so be down in the hotel lobby early to make sure you don't miss the bus! Attendees <u>pre-registered</u> for this field trip. If you are on the waiting list for this trip, be at the bus and we will get you on if there are any available seats.	Hotel Lobby



Detailed Agenda ~ Tuesday, August 16

1:30 pm ~ 3:00 pm Opening Plenary Session 1:30 am ~ 3:00 pm

1:30 - 1:50 pm **Mohegan Tribe Color Guard** **Uncas Ballroom**

1:50 - 2:25 pm **Welcoming Remarks and Invocation** **Uncas Ballroom**
Ann Marie Chischilly, ITEP Executive Director
Lynn Malerba, Mohegan Tribal Chief
Nitin Natarajan, USEPA OLEM Deputy Assistant Administrator
Jane Nishida, USEPA OITA Principal Deputy Assistant Administrator

2:25 - 3:00 pm **Featured Speakers** **Uncas Ballroom**
Melissa Zobel, Mohegan Tribe's Cultural and
Community Program Executive Director
Curt Spalding, USEPA Region I Administrator

3:30 pm ~ 5:00 pm Breakout Sessions 3:30 pm ~ 12:00 pm

Developing and Implementing Tribal Solid and Hazardous Waste Programs Under GAP

~ Oneida/Penobscot~

Details: The Indian Environmental General Assistance Program (GAP) authorizes EPA to provide financial assistance for the development and implementation of tribal solid and hazardous waste management programs consistent with the Solid Waste Disposal Act (also known as the Resource Conservation and Recovery Act). This presentation will cover the tribal waste management program capacities that can be established under GAP, and that provide an essential foundation for successful program implementation. The session will also describe allowable and unallowable solid waste program implementation activities under GAP with special emphasis on EPA's authority to fund solid waste and recovered materials collection, transportation, backhaul, and disposal services through Fiscal Year 2020, as stated in the Fiscal Year 2016 Omnibus Appropriations Act. Presenters will illustrate how effective strategic planning for tribal waste management and source separation program development and implementation can help ensure tribal program goals are achieved. Presenters will field questions from attendees and reference EPA grant guidance documents.

Presenters: Luke Jones and Charles Reddoor, USEPA

Moderator: Abby Kardel, USEPA

A Conversation with Senior Staff from USEPA Office of Land and Emergency Management

~ Schaghticoke~

Details: This special "office hours" conversation with USEPA's Office of Land and Emergency Management (OLEM) will feature Nitin Natarajan, OLEM's Deputy Assistant Administrator, as well as Office Directors from the Office of Superfund Remediation and Technology Innovation, Federal Facilities Restoration and Reuse Office, Office of Brownfields and Land Revitalization, Office of Communications, Partnerships, and Analysis, Office of Emergency Management, and Office of Resource Conservation and Recovery. OLEM major program areas will be discussed, as well as tribal program priorities and strategies. Office Director's will be available to answer questions, as well as share information about EPA initiatives.

Presenters: Nitin Natarajan, OLEM Deputy Assistant Administrator; Jim Wollford, OSRTI Director; Robin Richardson, OSRTI Deputy Director; Mary Cooke, FFRRO; David Lloyd, OBLR Director; Brigid Lowery, OCPA Director; Kent Benjamin, OCPA Deputy Director; Kathleen Salyer, ORCR Deputy Director; Rebecca Clark, OEM Acting Deputy Director

Moderator: Kent Benjamin, USEPA OCPA Deputy Director



Moon of the Peeping Frogs

Detailed Agenda ~ Tuesday, August 16



3:30 pm - 5:00 pm Breakout Sessions 3:30 am - 5:00 pm

The Penobscot River Restoration Project AND Monitoring Water Quality and Benthic Macroinvertebrates Pre and Post Dam Removal ~ Abenaki~

Details: The Penobscot River Restoration Project is a landscape scale river restoration project designed to bring back 11 species of migratory fish to the Penobscot Indian Reservation. It involves the removal of two main stem dams between the tribes reservation and the Atlantic Ocean, and the building of a nature-like fish bypass channel around a third dam.

Presenter: John Banks, Penobscot Nation

Details: The Penobscot River Restoration Project presents a great opportunity to understand how water quality and aquatic life changes with dam removal. This presentation will describe the monitoring being done by the Penobscot Nation Water Resources Program to document water quality and benthic macroinvertebrate community structure before and after the removal of two main-stem Penobscot River Dams. I will present the methods used and some of the results to date.

Presenter: Dan Kusnierz, Penobscot Nation and National Tribal Water Council member

Moderator: Victoria Kotongan, Native Village of Unalakleet and TWRAP Steering Committee chair

Moon of the
Corn Planting



Environmental Justice, Tribes, and Indigenous Peoples AND Climate Change on Tribal Lands: Approaches to Collaborative Adaptations ~ Shinnecock/Nipmuc~

Details: The EPA Policy on Environmental Justice for Working with Federally Recognized Tribes and Indigenous Peoples is in its second year of implementation and EPA's new five year environmental justice strategy, EJ 2020 Action Agenda, identifies specific measures for furthering environmental justice for tribes and indigenous peoples throughout the United States. The session will discuss the core components of both the Policy and the Strategy and some of the successful efforts to implement environmental justice in Indian country and with indigenous peoples.

Presenters: Danny Gogal, USEPA Office of Environmental Justice; Dona Harris, USEPA AIEO; Randy Gee, USEPA Region 6

Details: Tribal lands, waters, and habitats are facing severe threats from the impacts of climate change. This session will focus on how partnerships between Tribes and non-Tribal partners can enhance and support strategies for climate change adaptation. Collaborating with both government agencies and non-governmental organizations allows tribes to leverage financial, scientific, and community support for adaptation strategies that are beneficial to both tribes and the broader region. In this session, the participants will learn about successful partnerships and projects undertaken by the Pala Environmental Department and will hear about how they can create similar partnerships of their own. The session will solicit examples and feedback from participants about their own experiences so that attendees can hear about what has worked for others.

Presenters: Shasta Gaughen, Heidi Brow, and Kurt Broz, Pala Band of Mission Indians; Amber Pairis, the Climate Science Alliance—South Coast

Moderator: Alex James, Yakutat Tlingit Tribe and TWRAP Steering Committee member

NOTES:



Detailed Agenda ~ Tuesday, August 16

3:30 pm ~ 5:00 pm Breakout Sessions 3:30 pm ~ 5:00 pm

An Orientation to the UST Program

~ Narragansett~

Details: This session will provide an overall introduction and orientation to the underground storage tank program. Carolyn Hoskinson, the Office Director of USEPA's Office of Underground Storage Tanks, and Victoria Flowers, environmental specialist for the Oneida Nation, will be the featured speakers.

Presenter: Victoria Flowers, Oneida Nation and Carolyn Hoskinson, OUST Director

Tribal Infrastructure Task Force Meeting

~ Nehantic/Pequot~

Details: USEPA leads a multi-agency tribal Infrastructure Task Force (ITF) to develop and coordinate federal activities in delivering water infrastructure, wastewater infrastructure and solid waste management services to tribal communities. We will explore some commonalities among tribes that have helped to improve the sustainability of their water and wastewater infrastructure. Topics may include, and are not limited to: Maintain Utility Independence, Train and Retain Operators, Run the Utility as a Business, Establish a Fair and Accepted Billing and Collection System, Educate Consumers and the Tribe, and Utility Subsidization. We would like to hold a formal ITF full member public meeting / call with the ~20 tribal ITF representatives and anyone else interested.

Presenters: Ken Norton Director, Hoopa Valley Tribe and Chair of the National Tribal Water Council; John Wheaton, Emergency Management Planner, Nez Perce Tribal Nation and TWRAP Steering Committee member; Shaun Livermore, Utility Manager, Poarch Band of Creek Indians and National Tribal Water Council member; John Nichols, Alaska Rural Utility Collaborative Manager, Alaska Native Tribal Health Consortium; and Sheila Frace, Deputy Office Director, USEPA Office of Wastewater Management

Moderator: Mark Nelson, Principal Horsely Witten Group

Phase I and Phase II Site Assessments

~ Passamaquoddy/Brothertown~

Details: A general overview of the standard practices in conducting an environmental site assessment, to address the "All-Appropriate-Inquiry" (AAI) aspect to the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) CERCLA contains policy and procedures for containing or removing hazardous substances that have been released and provides funding and guidance for clean up. The Phase I ESA four components as described records review, site reconnaissance, interviews, and evaluation and report preparation. Phase II assessment process includes sampling and laboratory analysis to confirms presence of hazardous substances or petroleum products identify recognized environmental conditions providing Phase I identifies potential contamination. The ESA outline site investigations needs, and remedial actions that may be required to clean up the property. You know if your site is contaminated. What should be done to clean it up?

Presenters: Quinton Jacket, Ute Mountain Ute Tribe and Colin Larrick, Ute Mountain Ute Tribe and National Tribal Water Council member

Moderator: Arvind Patel, Pueblo of Acoma and TWRAP Steering Committee vice-chair

NOTES:

Moon of the Strawberry



Detailed Agenda ~ Wednesday, August 17



8:30 - 10:00 am Breakout Sessions 8:30 - 10:00 am

Backhaul Successes in the North AND Santa Ynez Chumash Zero Waste Initiatives ~ Oneida/Penobscot~

Details: For the past six years the Bering Strait Region in northwest Alaska has sent out lead-acid batteries, fluorescent bulbs, electronic waste, and other material to be recycled in Seattle, Washington. This Alaskan region is the size of the state of Indiana but has no connecting roads between villages and relies on small bush planes and barges for transportation. Twenty tribes reside within the 16 communities of our region and have EPA IGAP staff dedicated to removing hazardous materials from their villages all year round. Come to this session to learn more about how an Alaskan region created a system of backhauling that might apply to your program.

Presenters: Anahma Shannon, Kawerak, Inc.

Details: This session will discuss Santa Ynez Chumash's Zero Waste Initiatives as they have developed with the tribe's Intertribal Pow Wow and the Chumash Casino's Food and Beverage team. It will cover smaller scale Zero Waste events to larger events, and how they are communicated, tracked, and improved upon each year. We will also look at what new recycling initiatives the Chumash Casino is working on including food, FOG, and styrofoam waste.

Presenters: Kelly Schmandt Ferguson, Santa Ynez Band of Chumash Indians

Moderator: Rob Roy, La Band of Luiseno Indians and TWRAP Steering Committee member

Mining on Tribal Lands ~ Schaghticoke ~

Details: This session will explore the basics of mining on tribal lands through stories and hands-on activities. The mission of the Tohono O'odham Nation's Mineral Resources Program is to protect and develop the mineral resources of the Tohono O'odham Nation as directed by the Nation's leadership. This is no small task considering two large active copper mines, over a hundred patented and unpatented mining claims, and hundreds of abandoned mine sites are on the Nation! Participants will learn fundamental concepts of the history of mining, the mining lifecycle, potential positive tribal gains, "multi-media" environmental concerns (hazardous/solid waste, air, land, water, human health), ideas for tribal outreach, and some options for sovereign involvement. No previous mining knowledge is required.

Presenter: Laurie Suter, Tohono O'odham Nation

Moderator: Tim Kent, Quapaw Tribe and TWRAP Steering Committee member

Developing Tribal Cleanup Standards ~ Passamaquoddy/Brothertown~

Details: This panel will discuss the process for developing and implementing tribal cleanup standards, from both a program-based and a legal perspective. It will cover topics such as the benefits to tribes of having their own cleanup standards, authorities needed to issue the standards, applicability of the tribal standards, and comparisons to federal standards. Participants will obtain an understanding of the information needed to develop cleanup standards and the issues that might arise in implementing them.

Presenters: Susan Hanson, Shoshone-Bannock Tribes; Henry Haven, Navajo Nation; Jill Grant, Jill Grant & Associates

Office Hours with Carolyn Hoskinson, Director of OUST AND Upcoming UST Regulatory Deadlines ~ Narragansett ~

Details: Carolyn Hoskinson, Director of US EPA's Office of Underground Storage Tanks, will be holding "office hours" where those involved with UST/LUST issues may have informal discussions with her and her staff.

Presenter: Carolyn Hoskinson, OUST Director

Details: Upcoming UST Regulatory Deadlines will provide an overview of the new, updated federal UST regulations, and implementation dates to comply with the requirements. Attendees will be provided resources for tribal owners and operators to help them comply with the UST regulation.

Presenter: Mark Barolo, OUST Deputy Director



Thunder Moon



Detailed Agenda ~ Wednesday, August 17

8:30 ~ 10:00 am Breakout Sessions 8:30 ~ 10:00 am

Establishing Tribal Water Quality Programs Under USEPA's Indian General Assistance Program (GAP)

AND

A Discussion with the National Tribal Water Council and USEPA Office of Water Senior Management

~ Nehantic/Pequot ~

Details: The Indian Environmental General Assistance Program (GAP) authorizes EPA to provide financial assistance to tribes for planning, developing, and establishing their capacity to implement tribal water quality programs consistent with the Clean Water Act (CWA) and the Safe Drinking Water Act (SDWA). This session will cover the water quality program capacities tribes can establish under GAP and illustrate how effective strategic planning for tribal water quality program development and implementation can improve leveraging opportunities between GAP and other EPA grant programs. Presenters will field questions from attendees and reference EPA grant guidance documents.

Presenters: Luke Jones and Robyn Delehanty, USEPA

Details: This special hybrid of Tribal & EPA "Office Hours" will provide attendees with the opportunity to have an informal conversation with senior staff from EPA's Office Water and members of the National Tribal Water Council on clean water and drinking water topics and issues of interest in Indian country. The National Tribal Water Council is comprised of technical and managerial Tribal Environmental Professionals in the field of Water, and advocates for the health and sustainability of clean and safe water, and for the productive use of water for the health and well-being of Indian Country, Indian communities, Alaska Native Tribes and Alaska Native Villages. The NTWC and EPA Office of Water are partnering on several tribal water initiatives important to Indian Country. Come Meet the Council and EPA managers, learn more about what all they do, and ask questions on the water topics that are important to you.

Presenters: Ken Norton, chair, and other members of the National Tribal Water Council; Senior management from USEPA's Office of Water and Office of Wastewater Management

Moderator: Abby Kardel and Felicia Wright, USEPA

Drones and Their Use in Environmental Protection

AND

How to Combine Tribal and Non-Tribal Resources During Disasters

~ Shinnecock/Nipmuc ~

Details: This session will provide examples of how the Ak-Chin have been using drones in flood management, water quality 106 program, Wetlands Demonstration projects and habitat documentation. We will explore information on drone flight policies, and Standard Operational Procedures and Issues of concern with drones flying on tribal lands.

Presenter: Dale Ohnmeiss, Ak-Chin Indian Community

Details: This session will give an overview of how tribal emergency management programs can effectively work with other tribal and non tribal agencies to best serve their communities in disaster response, as well as available training.

Presenter: Kellie Poolaw, Caddo County, Oklahoma, Emergency Management

Management of Ogallala Aquifer on the Rosebud Reservation

~ Abenaki ~

Details: This session will focus on the assessment, evaluation, monitoring, protection, and development of the groundwater of the Ogallala Aquifer. The presenter will cover the following areas: Location of monitoring wells, generation of isopach maps, hydrographs of water table fluctuation, potentiometric surface maps, ground water flow direction, hydrologic budget, potential sources of contamination, water samples collection and testing, source water protection and Rosebud Rural Water Development for domestic, municipal and industrial use. Water code and jurisdictional issues will also be discussed.

Presenter: Syed Y. Huq, Rosebud Sioux Tribe

Moderator: John Wheaton, Nez Perce Tribe and TWRAP Steering Committee

Detailed Agenda ~ Wednesday, August 17



10:30 - 12:00 pm Multi Media Meetup 10:30 - 12:00 pm

Please join us in the Uncas Ballroom for our first Multi Media Meetup. This special networking and educational gathering will feature all of the vendors and exhibitors at this year's TLEF, as well as numerous special information tables, demonstrations, and poster presentations by your fellow attendees. This is an excellent opportunity to network with others as well as learn about some of the services, projects, and activities taking place around the country to help protect Tribal lands, waters, and communities. During the Multi Media Meetup you can visit information tables by:

Reforest the Tropics
Citizen's Climate Lobby
Saint Regis Mohawk Tribe
Native Village of Unalakleet
Salt River Pima-Maricopa Indian Community
Houlton Band of Maliseet Indians
Tohono O'odham Nation Mining Office
Santa Rosa Rancheria
Santo Domingo Tribe & San Felipe Pueblo
E-Enterprise/Exchange Network and Tribes
Eight Northern Indian Pueblos Council, Inc.
National Tribal Water Council
TWRAP Steering Committee
Northern Arizona University Biology Department
Kansas State University TAB Program
New Jersey Institute of Technology TAB Program
Environmental Finance Center West
Institute for Tribal Environmental Professionals
TK Authentic Arts and Crafts
Spirit Dancer
Several Mohegan Tribe Artists
Interstate Technology and Regulatory Council
TRC

Prosper Sustainably
Campbell Environmental Group, Inc.
Industrial Economics Inc. (IEc)
Flow West
AWQMS/Gold Systems
Ridolfi, Inc.
YSI Systems
Eco Analysts, Inc.
Eurofins Spectral Analytical, Inc.
Encourage Capital
Zender Environmental Health & Research Group
USEPA Superfund Remedial Program
USEPA ORCR and TSWAN
USEPA FFRRO
USEPA Region 9 128(a) Program
USEPA Region 1 Tribal Response Program
USEPA OEM
USEPA OLEM Tribal Coordinators
USEPA OWWM
USEPA OUST
USEPA OBLR
USEPA Toxics Release Inventory Program

Tribal Consultation Opportunity at the TLEF

Consultation on Tribal Baseline Water Quality Standards: EPA is consulting with tribal leaders and tribal officials on a potential rulemaking that would establish baseline water quality standards under the Clean Water Act for waters on Indian reservations that currently do not have EPA-approved WQS in place. Water quality standards define goals for clean water and are used to improve water quality in impaired waters. Tribal officials are invited to participate on **Wednesday, August 17, from 10:30 am – 12:00 noon Eastern Time** in the **Abenaki Room**.

Tribes may also call in at 1-866-299-3188 Code: 3189708#.

The Consultation Notification Letter for this event can be found at: tcots.epa.gov under Baseline Tribal Water Quality Standards.

Moon of the Hot Suns





Detailed Agenda ~ Wednesday, August 17

1:30 ~ 3:00 pm Breakout Sessions 1:30 ~ 3:00 pm

USEPA Sustainable Management of Food Program and the 2030 Food Loss and Waste Reduction Goal AND Mohegan Tribe’s Waste Food Recycling Program ~ Oneida/Penobscot~

Details: The EPA and USDA recently announced a new 2030 goal to reduce food loss and waste by 50%. As part of this goal, EPA and USDA are releasing a Call to Action webpage designed to summarize the ideas, opportunities, and issues identified by stakeholders in the area of food waste. EPA would like to engage with Tribal representatives to understand how EPA’s work in food stewardship and the 2030 goal can be tailored to meet their needs and help Tribes secure the social, environmental, and economic benefits of reducing wasted food.

Presenter: Chris Beling, USEPA Region I

Details: This session will explain strategies developed by the Mohegan Tribe to divert a variety of food waste from the regular waste stream. Scrap food is recovered from the waste stream and utilized in other ways, including as animal feed at local farms. Residual oils and greases are also diverted and processed for other uses. The presenter will discuss the Tribe’s commitment to food recovery strategies, collection methods for a variety of recyclable or reusable products, and involvement with the Covanta ‘trash to energy’ plant which utilizes waste that cannot be recovered in other ways.

Presenter: Jean McInnis, Mohegan Tribe

Moderator: Victoria Kotongan, Native Village of Unalakleet and TWRAP Steering Committee chair

Tribal Superfund Working Group Meeting ~ Schaghticoke~

Details: The Tribal Superfund Working Group will be holding a roundtable discussion, where they will discuss success, challenges, and emerging issues related to Superfund and other contaminated sites of concerns that affect Tribal lands and people. All are welcome!

Moderators: Todd Barnell and Julie Jurkowski, ITEP

Office Hours with David Lloyd, OBLR Director AND

Where’s The Money? Tips and Tricks for Successful Grant Proposals ~ Passamaquoddy/Brothertown ~

Details: We will present proposed changes to the CERCLA 128(a) funding guidance and request feedback, as well as have time for an open discussion with the David Lloyd, the Office Director of the Office of Brownfields and Land Revitalization.

Presenter: David Lloyd, OBLR Director

Details: Brownfield programs are now emphasized as job creators that revitalize tribal and local economies and drive regional revitalization. An interactive discussion, which will encourage suggestions from the audience, will share on-the-ground examples of how tribal, governmental, and non-profit organizations have aggressively funded or otherwise facilitated catalytic redevelopment efforts that return brownfield sites to productive reuse. Tools in use that will be featured in the discussion include technical assistance resources, development finance tools, as well as federal grant and loan programs. Discussion among the presenters and with the audience will result in brainstorming on what other tools are needed to take brownfield redevelopment to the next level.

Presenter: Victoria Flowers, Oneida Nation and Elizabeth Limbrick, New Jersey Institute of Technology (TAB)

Moderator: Rachel Lentz, USEPA

Things to Watch for When Using Commercial Insurance Policy As Your Financial Assurance Mechanism

~ Narragansett ~

Details: This session will provide an overview of the financial responsibility requirements including a brief description of mechanisms available. We will then go into a detailed explanation about using commercial insurance as a financial responsibility mechanism. Included in this session will be: the types of commercial Underground Storage Tanks (UST) insurance policies that are available; the unique nuances that owners and operators should look for in the policy purchased; the pros and cons of certain insurance policies; and, policy exclusions.

Presenter: Audray Lincoln and Heather Mann, USEPA

Detailed Agenda ~ Wednesday, August 17



1:30 - 3:00 pm Breakout Sessions 1:30 - 3:00 pm

Enacting and Enforcing Tribal Law to Restore Natural Resources— Part 1: A Case Study Using the Park Service Act as a Model Part 2: Applying the Tribal Law in a Workshop Setting ~ Shinnecock/Nipmuk ~

Details: During Part 1, the presentation will focus on the legal authority for the development of a Tribal resource protection ordinance and demonstrate how the Park Service Protection Act has been used and in practice and how it could serve as a mode for the development of a similar tribal ordinance. During Part 2, participants will be presented with a factual situation and be asked, in workshop fashion, to apply a "new" Tribal Ordinance to identify the claims that the Tribe would have for natural resource injury and resulting Tribal Service loss under the new Ordinance and then participants would be asked to identify the types of restoration activities that would be acceptable to the Tribe. The SCB and IEC presenters will help facilitate this part of the presentation and participants will learn how to apply the facts presented in the hypothetical to the model tribal ordinance in determining how to describe the claim. Participants will also learn how to identify the functions of impacted habitat and surface waters and how to determine the types of restoration efforts needed to make the Tribe whole for both resource loss and cultural service loss. This session continues at 3:30 pm.

Presenters: Richard Du Bey and Jennifer Sanscrainte, Short Cressman and Burgess PLLC and Robert Unsworth and Jen Kassaklan, IEC

Developing a CWA Section 106 Monitoring Program AND Developing CWA Section 106 Assessment Reports ~ Abenaki ~

Details: This session will focus on developing a Clean Water Act Section 106 Monitoring Program including: developing a tribal monitoring strategy as part of the Tribal Assessment Report (TAR); water quality goals and objectives, monitoring design, quality assurance, data management and revising monitoring strategies. A Tribal case study will also be presented on the Saginaw Chippewa Indian Tribe of Michigan (SCIT) water quality program.

Presenters: Carey Pauquette, Saginaw Chippewa Indian Tribe of Michigan and David Horak, USEPA Region 5

Details: This session will deal with components of CWA Section 106 Assessment Reports and how to use the information to evaluate tribal water quality condition of the water bodies or watersheds and identifying causes and sources of pollution.

Presenters: Lionel Puhuyesva, Hopi Tribe and Audrey Johnson, USEPA Region 9

Breaking New Ground on Wetland Monitoring and Assessment: Newly Released Results of the 2011 National Wetland Condition Assessment AND Mannomin—Research, Restoration and Protection ~ Nehantic/Pequot ~

Details: USEPA recently released the National Wetland Condition Assessment (NWCA) 2011, a highly collaborative, scientifically rigorous survey based on sampling conducted in 1,179 randomly selected freshwater and tidal wetland sites in the conterminous U.S. The NWCA provides us, for the FIRST time, information on the QUALITY of wetlands at the national scale, providing a national baseline for future wetland assessment work. Among many other insights, this new report informs wetland resource managers on Tribal Lands about the relationship between ecological condition and common stressors. In 2011, more than 50 field crews sampled vegetation, soils, algae, water chemistry, and potential stressors across highly variable wetland conditions using standardized field protocols. A biological condition rating of poor, fair, or good was assigned to each site based on a Vegetation Multi-metric Index. The NWCA 2011 found that, nationally, 48% of the wetland area is in good condition, 20% is in fair condition, and the remaining 32% of the area is in poor condition. The NWCA 2011 report provides information about several wide-spread stressors influencing wetland condition and potential improvements in condition that might be seen nationally by reducing these stressors. The next NWCA field season is taking place now (summer, 2016) and as more data are collected over the course of NWCA surveys, trends will emerge. With new insight gained over time, the NWCA survey will allow state, tribal, and local wetland managers and policy makers to more effectively manage and protect existing wetlands and to restore some of those that have been lost.

Presenters: Kathleen Kutschenreuter, USEPA

Details: This will be an overview of the last 5 years of the Mannomin (wild rice) program at Little River Band of Ottawa Indians. This includes using recently developed protocols from the Region 5 Mannomin workgroup, and research conducted using GLRI and Circle of Flight funding. It describes studies comparing abiotic habitat parameters, bed density fluctuations, and genetic comparisons between two species. It will also describe current work protecting and our future plans for restoring wild rice beds in our area.

Presenters: Allison Smart, Little River Band of Ottawa Indians

Moderator: Katie Kruse, Keweenaw Bay Indian Community and TWRAP Steering Committee member



Detailed Agenda ~ Wednesday, August 17

3:30 pm - 5:00 pm Breakout Sessions 3:30 pm - 5:00 pm

Infrastructure Task Force Report on Solid Waste in Indian Country ~ Oneida/Penobscot ~

Details: The Infrastructure Task Force (ITF) was tasked with the following: Identify and address programs, initiatives, and other issues that will improve planning construction, operation, and maintenance of sustainable infrastructure in American Indian and Alaska Native communities. The team leads from the ITF Solid Waste Workgroup will present the final report detailing issues related to sustainable solid waste management in Indian Country and Alaskan Native Villages. Additionally, each team will discuss their final reports in more detail. Team 1: "Barriers and Potential Resources to Solid Waste Implementation in Indian Country", Team 2: creating and testing a "Community Engagement Strategy", and Team 3: "Proposed Approach to Improve Open Dumps Data and Solid Waste Projects and Programs in Indian Country".

Presenters: Charles Reddoor, USEPA; Marta Burg Attorney and Tribal Consultant; Alex Dailey, IHS; Kami Snowden, TSWAN

Moderator: Katie Kruse, Keweenaw Bay Indian Community and TWRAP Steering Committee member

Grants Mining District—Legacy Uranium Mining AND Navajo Abandoned Mines ~ Schaghticoke ~

Details: Legacy uranium mining in the Grants Mining District of NM. Participants will learn how EPA R6 is working in addressing the legacy mine cleanup of 98 mine sites, as well as working with communities, Tribes and State Agencies. Participants will learn of the latest efforts in investigating the area ground water and efforts to provide safe drinking water to impacted individual wells.

Presenter: LaDonna Turner, USEPA Region 6

Details: Cleaning up over 500 abandoned uranium mines on the Navajo Nation is a monumental task. Participants will learn how the federal government and Navajo Nation are working together to assess contaminated structures, cleanup the mines, and increase access to safe drinking water.

Presenters: Vivian Craig and Darlene Jenkins, Navajo Nation and Linda Reeves, USEPA

Moderator: Arvind Patel, Pueblo of Acoma and TWRAP Steering Committee vice-chair

Enacting and Enforcing Tribal Law to Restore Natural Resources— Part 3: The Role of Science and Economics in Supporting Tribal Law Part 4: The Development of Tribal Restoration Projects That Will Withstand the Challenge of Climate Change

~ Shinnecock/Nipmuc ~

Details: This session is a continuation of the presentation by Short Cressman and Burgess PLLC and IEC representatives during the 1:30 pm breakout session. The first 45 minute presentation will be focused on the role of science and economics in supporting Tribal law and advancing the development of Tribal environmental law that further Tribal interests, including the role of Tribes in helping EPA to develop litigation quality administrative records supporting Tribal program delegation. The second 45 minute presentation will focus on the development of Tribal restoration projects that will withstand the challenge of climate change, and will be conducted in a workshop format, with participation by attendees facilitated by SCB and IEC representatives.

Presenters: Richard Du Bey and Jennifer Sanscrainte, Short Cressman and Burgess PLLC and Robert Unsworth and Jen Kassaklan, IEC



Harvest Moon

NOTES:

Detailed Agenda ~ Wednesday, August 17



3:30 pm ~ 5:00 pm Breakout Sessions 3:30 pm ~ 5:00 pm

Prepare a Successful Site Specific Quality Assessment Project Plan Addenda (Phase II Work Plan)

~Passamaquoddy/Brothertown~

Details: A Site Specific Quality Assurance Project Plan (SSQAPP) is essential for conducting a successful field investigation program by helping you: 1. Identify your problem so you can ask the right questions; 2. Develop an appropriate field investigation program; and 3. Ensures your questions are answered and your project goals are met. This session will present and discuss the process for developing a successful SSQAPP from initial site identification to a complete final SSQAPP. The results of a Phase II Environmental Site Assessment are only as good as the investigation work plan or SSQAPP. Having a thorough understanding of your site's historical land use and physical/geological conditions is the initial and most critical step in preparing your SSQAPP. If you don't have a full understanding of your site and potential contaminants (conceptual site model), how can you develop a successful investigation plan? The conceptual site model is a critical tool that is used to identify contaminant sources, receptors and exposure pathways associated with the site. The conceptual site model also provides the foundation for analytical and technical decisions for the SSQAPP. Multi-media will be used to demonstrate conceptual models. Participants will learn how and where to find the information required to develop a site conceptual model including how to identify: contaminants of concern, fate and transport of contaminants, contaminant exposure pathways, data quality objectives, and sampling and analysis techniques. Participants will also learn the USEPA Brownfields requirements for a SSQAPP and will review a SSQAPP table of contents and report template. Participants will leave with a working knowledge of how to prepare a Site Specific Quality Assurance Project Plan.

Presenters: Dale Mitchell, Passamaquoddy Tribe at Pleasant Point; Glenn Daukas, Campbell Environmental Group; Amyjean McKeown, USEPA

Emergency Spill Response Under the OPA— A Tribal Perspective AND

Eight Northern Indian Pueblos Council's UST Site Vulnerability Study and Program Updates ~ Narragansett ~

Details: Emergency Spill Response actions under the Oil Pollution Act mandate consensus decisions by Unified Command. Hear a Tribal perspective of how UC worked in response to an accidental release to groundwater of ~2800 gals of gas within 30' of the Sanpoil River, a pristine water-body within the Colville Reservation.

Presenter: Donald Hurst, Colville Confederated Tribes

Details: Eight Northern Indian Pueblos Council-Office of Environmental of Technical Assistance will describe the process of working with tribal environmental staff and owner/operators of Underground Storage Tank systems determining the impact on environmental receptors if a release from a UST were to occur within their reservations. This model will expose the probability of contamination to significant environmental receptors within a site vulnerability study area of a 1,000 foot radius and 1/4 mile radius. Examples of receptors are active and inactive source water locations, which include both ground water and surface water intakes and municipal supply wells, surface water with a main focus being perennial water bodies. The audience will gather knowledge of receptors that will determine both facility site vulnerability ranking and facility criteria ranking within a 1,000 foot radius. ENIPC will provide an update on their compliance assistance and training activities.

Presenters: Leonard Sabatino and Jeffrey Lyon, ENIPC

Moderator: John Wheaton, Nez Perce Tribe and TWRAP Steering Committee member

NOTES:



Moon of the Falling Leaves



Detailed Agenda ~ Wednesday, August 17

3:30 pm ~ 5:00 pm Breakout Sessions 3:30 pm ~ 5:00 pm

Overview of Water Data Sharing Using WQX AND

Region 6 Water Quality Reporting Pilot ~ Abenaki~

Details: This session will provide an overview of data management. Discussion will include data collection, Quality Assurance, flow and storage issues. In addition, new Water Quality Portal Assessment tool will be highlighted as a mechanism to support Water Quality Reporting.

Presenters: Laura Shumway, USEPA

Details: This session will describe the recent efforts the Region 6 tribes and USEPA region 6 staff have taken to streamline the Water Quality Assessment Reporting process as required the 106 grant conditions. The region 6 tribes have begun preparing to submit their water quality decision to the Assessment and TMDL tracking and implementation system (ATTAINS) in lieu of the annual written report.

Presenters: Micco Emarthla, Seneca-Cayuga Nation and National Tribal Water Council member, and Laura Shumway, USEPA

Moderator: Lydia Scheer, ITEP



Hunting Moon

NOTES:

Protecting Tribal Reservation Waters Through Proposed Federal Tribal Water Quality Standards AND

CWA Treatment In A Similar Manner As A State—New Developments and Opportunities ~ Nehantic/Pequot ~

Details: EPA will share information as a part of an ongoing government to government consultation and coordination with federally recognized Indian tribes on a proposed rulemaking that would establish baseline water quality standards under the CWA for waters on Indian reservations that currently do not have EPA approved water quality standards in place. EPA is proposing to publish an advanced notice of proposed rulemaking (ANPRM) on this potential rulemaking by November 2016. This session would be a great opportunity for EPA to continue consultation and coordination with Tribal governments prior to the final ANPRM. Many Tribal governments are highly supportive of this proposed rulemaking as it would close the gap in water quality standards for tribal waters to allow tribal waters to have full protection under the CWA. EPA has worked with Tribal governments to develop options for the rulemaking which include a combination of numeric narrative criteria; a focus on designated uses to protect cultural and traditional uses; an emphasis on anti-degradation; and implementation tools. The ANPRM is intended to complement the TAS Streamlining by providing a template for Tribal water quality standards that tribal governments may use.

Presenters: Mary Lou Soscia and Andrew Byrne, USEPA

Details: This session will present information on EPA's May 2016 reinterpretation of Clean Water Act (CWA) Section 518. The focus will be on how the reinterpretation and other EPA guidance can help streamline the application process for treatment in a manner similar as a state (TAS) for CWA regulatory programs, including administering CWA Section 303(c) water quality standards and CWA Section 401 certification of Federal licenses and permits for facilities discharging into navigable waters. Participants in this session will learn how the TAS process will be affected by the reinterpretation, the role of TAS in adopting EPA-approved water quality standards, and new tools for TAS applications.

Presenter: Mary Lou Soscia, Zoe Ruge and Andrew Byrne, USEPA

Detailed Agenda ~ Thursday, August 18



8:30 am ~ 10:00 am Breakout Sessions..... 8:30 am ~ 10:00 am

How to Prepare Now for the Future of Tribal Solid Waste Program Funding for Cleanups AND New Mexico State Government RAID Grants for Solid Waste Projects ~ Oneida/Penobscot~

Details: The session will walk through all the steps a new or experienced Tribal Environmental Director will need to follow in order to meet the new mandatory requirements from federal agencies to be eligible for funding of open dump cleanups. The Indian Health Service (IHS) and EPA will be requiring all tribes to address several elements before being eligible for funding, such as an Integrated Waste Management Plan, Codes and Ordinances, as well as documentation of the site in the IHS WSTARS database. We will discuss the each requirement in a classroom Q&A setting and provide everyone with an easy to understand briefing of how to get from start to finish and be ready for funding when it's needed by the tribe.

Presenter: Roger Hancock, USEPA Region 6

Details: Learn about a very innovative way New Mexico tribes work with the State government on solid waste initiatives. The Eight Northern Indian Pueblos Council, Inc. provides technical assistance to 21 NM pueblos and tribes and Ysleta del Sur Pueblo in El Paso, Texas. As a consortium, ENIPC has sought RAID Grants over a number of years to help tribes with solid waste, hazardous waste, and recycling efforts; these efforts include purchasing equipment, and providing trainings.

Presenter: Margaret Chavez, ENIPC

Moderator: Arvind Patel, Pueblo of Acoma and TWRAP Steering Committee vice-chair

Outreach—Mohawk Style AND Using Student Interns—Results Today, Investment for the Future ~ Passamaquoddy/Brothertown~

Details: This session will explore the various outreach methods used to get the word out in the Mohawk community. Participants will need to download the free app, ResponseWare by Turning Technologies, on to their cell phones. By participating in this session, attendees will learn to recognize the importance of having an outreach program including exploring different approaches to outreach, learning new ideas, and raising awareness in your community.

Presenter: Julia Jacobs, St. Regis Mohawk Tribe

Details: Hiring paid interns to advance your tribal response program and other environmental work is a sound investment when grant dollars are short. Students bring high energy and creativity that can be just the right boost to reach a long-deferred milestone. When the students are tribal members, internships can expand the pool of interested and experienced future applicants for environmental department jobs. It also sends a message to our tribal youth that good work can be found serving their community. The presenters will describe their experiences and accomplishments using interns. They will discuss the types of work they have assigned to interns, costs and sources of funding they have used, challenges of overseeing youth workers, and how they have recruited the right students for the job.

Presenters: Elizabeth Wakeman, Flandreau Santee Sioux Tribe; John Prohaska, Bad River Band of Lake Superior Chippewa

Moderator: Victoria Kotongan, Native Village of Unalakleet and TWRAP Steering Committee chair

Working with Tribes During Superfund Response ~ Schaghticoke ~

Details: The session will review best practices related to implementation of Superfund responses in or near Indian country. Participants will gain an understanding of: - The policies and practices regarding coordination and consultation with tribal governments, - Application of the new tribal treaty rights policy at Superfund sites and - Potential funding options for tribes working on Superfund responses. Attendees will learn practical information to enhance meaningful tribal involvement during Superfund responses.

Presenter: Anne Dailey, Christine Poore, and Jessica Snyder, USEPA



Beaver Moon



Detailed Agenda ~ Thursday, August 18

8:30 am ~ 10:00 am Breakout Sessions 8:30 am ~ 10:00 am

Corrosion in Diesel Storage Tanks AND Choctaw Nation Success with UST Regulatory Benefits ~ Narragansett ~

Details: This session will focus on the risks of corrosion found in underground storage tanks (UST) storing diesel fuel. EPA completed research in July 2016 that found that the corrosion is very common across the country, most owners are not aware it is present, and it appears it could prevent equipment from functioning properly. Ryan Haerer of EPA will share details of the study and efforts by EPA and industry to solve the problem. The second half of the session may include a field inspector to present, and will focus on communicating to owners what the newly identified risks mean for them, and what they should do to ensure their equipment continues to operate properly. This will include discussions of treatment currently available in the market that may help minimize risk while research on the cause continues.

Presenters: John LeBlanc, Red Lake Band of Chippewa Indians and Ryan Haerer, USEPA

Details: Attendees of this UST session will be presented with a realistic view on how a large number of UST facilities over a large geographic area of southeastern Oklahoma that are managed by the Choctaw Nation Travel Plaza Office, have been pro-actively managed the last 13 years. Compliance assistance from the R6 Tribal UST program helped the Choctaw Travel Plaza Office attain and maintain the current high rate of regulatory compliance. Participants will learn how time, man power, and money have been saved by being a proactive UST system management entity. Participants will understand that a conscious effort to shift from merely operating the UST facilities as retail convenience stores to full service fueling facilities with high UST regulatory compliance rates took place. Choctaw management and government made a decision to begin diligent efforts to monitor the fueling system for regulatory compliance. Also decisions were made to add training for facility personnel on UST operations and compliance. Emphasis was made to foster communications about regulatory compliance through the environment office of the Tribe to complete regulatory compliance and system management in partnership with their Choctaw Travel Plaza Office. Diligence has paid off with no release taking place from the systems and very high (90%+) Significant Operational Compliance (SOC) rate with UST regulations.

Presenters: Chuck Tillman, Sr., Director of Operations for the Choctaw Nation Travel Plazas

Moderator: Victoria Flowers, Oneida Nation and TWRAP Steering Committee member

Expediting the Federal Environmental Review Process in Indian Country ~ Shinnecock/Nipmuc ~

Details: This session will cover efforts to expedite the federal environmental review process, focusing on the Department of Housing and Urban Development (HUD) led effort to improve the review process for housing and housing-related infrastructure development in Indian country. Attendees will receive a status update on that effort, which includes issuance of a Final Report in December, 2015 and on-going work to implement the recommendations contained in the report. The session will also provide an overview of other federal efforts to improve the federal environmental review process, such as the Unified Federal Review of Disaster Recovery Projects. Session participants will learn about tools that can be helpful when multiple federal agencies are involved in a single project, such as the use of the incorporation by reference and adoption of reviews under the National Environmental Policy Act (NEPA), illustrated by case studies. Participants will gain greater familiarity with opportunities to make the federal environmental review process more efficient. Presenters will seek feedback from participants on how the federal review process can be improved. Participants should be familiar with the Federal environmental review process.

Presenters: Hilary Atkin, HUD Off of Native American Programs and Michael Drummond, White House Council on Environmental Quality

Moderator: Katie Kruse, Keweenaw Bay Indian Community and TWRAP Steering Committee member



Wolf Moon

Detailed Agenda ~ Thursday, August 18



8:30 am ~ 10:00 am Breakout Sessions 8:30 am ~ 10:00 am

Tribal Water Quality Standards: A Panel Presentation ~ Abenaki ~

Details: This panel includes tribal water quality professionals from three different regions of the country: the north-east, midwest, and southwest. They will discuss some of the issues they addressed in developing water quality standards for their tribes, such as accommodating treaty rights to sustenance fishing, incorporating tribal cultural practices, and protecting wetlands. The panel also will provide an outline of the "treatment as a sovereign" and approval process for water quality standards.

Presenters: Dan Kusnierz, Penobscot Nation and National Tribal Water Council member; Daugherty Johnson, Little Traverse Bay Bands of Odawa Indians; Scott Bulgrin, Pueblo of Sandia; Gussie Lord, Jill Grant and Associates

NOTES:

PrivateWellClass.org—An Online Program for Educating Private Well Owners **AND** **Drinking Water Utility Water Loss Prevention** ~ Nehantic/Pequot ~

Details: The Private Well Class is a free national program to educate well owners and those that serve them about understanding the responsibilities of being a well owner, how to properly maintain a private well, and how to protect their families from risk. The program includes a class for well owners, webinars for additional learning, podcasts and videos describing individual topics, and a hands-on technical assistance program implemented through the Rural Community Assistance Partnership (RCAP). The TA portion includes an assessment tool, an 8 page set of questions to evaluate risk and vulnerability of an individual well. In this session, attendees will learn how to access the resources available through www.privatewellclass.org, how to become a partner in this program, and develop an understanding of the issues related to private wells that are all too often ignored or taken for granted. They will walk away with an approach to helping well owners in their areas learn the importance of private well stewardship and proper well care.

Presenters: Steve Wilson and Katie Hollenbeck, University of Illinois

Details: Water loss issues are creating significant challenges for drinking water utilities across the United States. Reduction of water losses in Public Water Systems can help reduce infrastructure needs and mitigate problems stemming from source water shortages. This session will describe tools and resources that utilities can use to assess and control water loss. It will provide an overview of water loss control and describe use of water audits to identify and control water losses. Available tools will be cited, along with an overview of necessary data for conducting a water audit.

Presenter: Samuel Russell, USEPA

Moderator: Denise Jensen, Winnebago Tribe of Nebraska and National Tribal Water Council member



Detailed Agenda ~ Thursday, August 18

10:30 am ~ 12:00 pm Breakout Sessions 10:30 am ~ 12:00 pm

Managing and Transforming Waste Streams AND Effectively Strategizing to Improve Solid Waste Management in Santo Domingo Pueblo ~ Oneida/Penobscot ~

Details: This training will show how to use EPA’s “Managing and Transforming Waste Streams – A Tool for Communities”. This online tool is intended to help municipalities and tribes come up with a list of strategies that may be of interest for inclusion in a zero waste action plan. They can be tailored to a community’s needs and materials management priorities. Featuring over 250 implementation examples from communities, the tool equips users with a compendium of best practices and implementation models, including links to actual ordinance, contract, or franchise agreement language.

Presenter: Shannon Davis, USEPA Region 9

Details: This session will focus on the current efforts of the Santo Domingo Tribe to improve solid waste management within the Pueblo. The presentation will highlight success in the areas of improving our transfer station, the creation of a waste diversion program, including efforts to establish a "hub and spoke" for neighboring Pueblos, abatement efforts of illegal dumpsites and education and outreach to properly inform the community. Attendees can learn what it took SDT to improve their conditions and possibly utilize some of our efforts to improve their solid waste management before the end of 2020.

Presenter: Cynthia Naha, Santo Domingo Pueblo

Moderator: Arvind Patel, Pueblo of Acoma and TWRAP Steering Committee vice-chair

Soil Sampling and Decision Making Using Incremental Sampling Methodology ~ Schaghticoke ~

Details: This presentation on Incremental Sampling Methodology (ISM) provides information to assist regulators and practitioners with understanding of the fundamental concepts of soil and contaminant heterogeneity, representative sampling, sampling error, laboratory error, and how ISM addresses these concepts. This talk will address basic principles to improve soil sampling results, systematic planning steps important to ISM, how to determine ISM Decision Units (DU), the answers to common questions about ISM sampling design and data analysis, methods to collect and analyze ISM soil samples, the impact of laboratory processing on soil samples, and how to evaluate ISM data and make decisions. In addition, insights will be offered on when and how to apply ISM at a contaminated site. These concepts will aid in developing or reviewing project documents incorporating ISM, such as work plans, sampling plans, and reports. This presentation is based on the documents and training courses produced by the Interstate Technology and Regulatory Council (ITRC) on ISM. ITRC is a non-profit, public-private coalition working to reduce barriers to the use of innovative environmental technologies that reduce compliance costs and maximize cleanup efficacy. ITRC achieves its mission through its Teams, composed of environmental professionals, including state and federal environmental regulators, federal agency representatives, industry experts, tribal stakeholders, community stakeholders, and academia. No prior knowledge or experience is required of participants.

Presenter: Mary Jo Ondrechen, Northeastern University

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Cold Moon



Detailed Agenda ~ Thursday, August 18



10:30 am ~ 12:00 pm Breakout Sessions 10:30 am ~ 12:00 pm

Tribal Response Oversight AND Brownfield RFP/TRP Success Stories ~ Passamaquoddy/Brothertown ~

Details: This session will look at Tribal Response actions in association with in house voluntary clean ups triggered by high winds and rising groundwater on tribally owned lands. What happens when a tornado knocks over six large fuel tanks? How do you respond to catastrophic tank failure? Where can the Tribe go for help? Where do Response Coordinators and their programs need to set boundaries to navigate this situation? How do we merge our oversight and enforcement roles? Being the Brownfields Coordinator and also doing Tribal Response has many unknown factors that occur right in front of you and you have to respond. Knowing your federal, state, county and tribal partners will enable you to go through these responses and you always walk away knowing more than when you came.

Presenters: Molly Feldick, Winnebago Tribe of Nebraska and Mark Junker, Sac and Fox Nation

Details: The presenter will show new Brownfield Coordinators the Request for Proposal process—start to finish—with completed examples and a tribal response scenario. Two sites were completed and verified as part of the WP and four component process.

Presenter: Molly Feldick, Winnebago Tribe of Nebraska

Moderator: Alex James, Yakutat Tlingit Tribe and TWRAP Steering Committee member

OVIScreen: An Innovative Tool to Access Petroleum Vapor Intrusion ~ Narragansett ~

Details: USEPA developed a screening model for petroleum vapor intrusion (PVI) that is based on the BioVapor code (DeVaul, 2007). As such, it accounts for multiple petroleum constituents in soil gas, and other building and soil factors that influence PVI. Parameter values describing all the factors are not typically measured in the field, resulting in highly uncertain model results. To begin addressing this problem and to account for these field unknowns, PVIScreen includes an automated uncertainty analysis and its results are given in terms of the probability of various levels of indoor air contamination and indoor air screening levels. The workshop will consist of an overview of PVI, the model, and the use of PVIScreen within the context of a PVI investigation.

Presenters: Jim Weaver, USEPA and Robin Davis, Utah Department of Environmental Quality

Innovative Strategies and Tools to Increase Sustainable Behaviors AND Solar Projects in Indian Country ~ Shinnecock/Nipmuk ~

Details: Awareness alone does not lead to behavior change. Information-intensive efforts alone will not increase sustainable behaviors! Community-based social marketing (CBSM) is a proven methodology that combines marketing strategies with community engagement to foster sustainable behavior. The Fond du Lac Band of Lake Superior Chippewa used the CBSM methodology to increase recycling behavior of students at its tribal college, which resulted in a 41% increase in the recycling rate on campus. Based on this demonstration project, Fond du Lac collaborated with EPA Region 5 to develop a Tribal CBSM Training Guide and Recycling Toolkit. The Tribal CBSM Training Guide provides an overview of how tribes could apply CBSM concepts and strategies to increase sustainable behaviors. The accompanying Tribal CBSM Recycling Toolkit provides examples of the CBSM process Fond du Lac performed, which tribes could follow step-by-step to increase recycling behaviors in their own communities. The toolkit components can also be easily adapted to address other kinds of positive behaviors. In this session, participants will learn the five steps to the CBSM process, and how to use the Tribal CBSM Training Guide and Recycling Toolkit. Participants will also engage in a group activity to brainstorm how to use CBSM strategies to increase sustainable behaviors they are interested in promoting. (No other base knowledge/skills required)

Presenters: Shannon Judd, Fond du Lac Band of Lake Superior Chippewa and Dolly Tong, USEPA Region 5

Details: Solar projects are complicated. Due to sovereignty, tax liability, jurisdictional, and other considerations, solar projects in Indian Country are particularly challenging. During this session you will hear about the experiences at the Santa Ynez Chumash and Pala tribes in pursuing, developing, and implementing solar opportunities. Attendees will learn about the factors that make solar development on tribal trust land unique. The presenter will also share strategies for implementing successful solar projects, such as group purchasing initiatives. This presentation will cover solar project examples from residential to commercial scale, while also touching upon concepts that apply to utility scale projects.

Presenter: Josh Simmons, Prosper Sustainably



Detailed Agenda ~ Thursday, August 18

10:30 am ~ 12:00 pm Breakout Sessions 10:30 am ~ 12:00 pm

Understanding Harmful Algal Blooms and their Potential Impacts

AND

Muscogee (Creek) Nation: Open Source Applications for Water Quality and Emergency Response

~ Abenaki ~

Details: This session will introduce my recent publication: Field and laboratory guide to freshwater cyanobacteria harmful algal blooms for Native American and Alaska Native Communities. Harmful algal blooms that are dominated by certain cyanobacteria are known to produce a variety of toxins that can negatively affect fish, wildlife and people. Exposure to these toxins can cause a range of effects from simple skin rashes to liver and nerve damage and even death, although rarely in people. The issue may be increasing in importance, as scientists indicate warming global temperatures may exacerbate the growth of harmful algal blooms. The Native American and Alaska Native communities that are dependent on subsistence fishing have an increased risk of exposure to these cyanotoxins. In addition, drinking water facilities may find the field and laboratory guide may find it particularly helpful.

Presenter: Barry Rosen, USGS

Details: The Muscogee (Creek) Nation has used the US EPA Exchange Network grant funding to build two open source projects that greatly benefit water quality data management and tribal emergency response planning. Participants will learn more about the applications including the features of each one and how they are able to access the code for free. No previous developer skill is needed and the presentation focuses on the features of the applications including DEMOs.

Presenters: Frank Harjo, Muscogee (Creek) Nation and Doug Timms Open Environment Software

10 Years at 10 PPB— Arsenic in Drinking Water AND

Protecting Tribal Homes and Infrastructure from the Ravages of Climate Change at Passamaquoddy Tribe (Pleasant Point Reservation)

~ Nehantic/Pequot ~

Details: 2016 marked ten years since the Safe Drinking Water Act, Arsenic Rule, MCL was reduced from 50 ppb to 10 ppb, and remaining exemptions expired in 2015. Arsenic in drinking water remains a significant hurdle for public water systems nationwide, with small systems seeing significant difficulties. This session will provide an overview of the Safe Drinking Water Act Arsenic Rule and its recent history. The presentation will describe arsenic rule compliance in Indian Country, challenges with implementation, and list resources available to Tribes.

Presenter: Samuel Russell, USEPA

Details: The Passamaquoddy Tribe at Pleasant Point is situated along the rugged coastline of eastern Maine. Tribal homes and infrastructure, including a wastewater treatment facility, are situated near the shoreline, and due to storms of greater frequency and higher intensity, the shoreline has been eroding at a rate of approximately one foot per year, leaving the homes and wastewater treatment facility precariously close to the water's edge and vulnerable to future impacts of climate change, including flooding and compromised treatment works. In response to an urgent request for action from the tribal government, EPA formed a collaboration of federal partners and along with the Tribe, a path forward was developed and implemented. This collaboration resulted in multiple funding allocations totaling over \$1,000,000, along with technical resource commitments, from the USACE, USEPA, IHS, FEMA and HUD. The scope will include shoreline revetment which will restore lost tribal frontage property due to erosion, armoring of the embankment to protect the Tribe from future storms and sea level rise, and a flood vulnerability study and implementation of mitigation and resilience measures to safeguard the Tribe's wastewater treatment facility from rising sea levels and future storm events. Participants will learn the practical measures of climate adaptation undertaken by this shoreline tribal community, and will come to appreciate the value and power of federal/tribal partner collaboration to plan and deliver on a common goal, which would otherwise be difficult to attain without the coalescence of resources and will.

Presenter: Normand LaBerge, Passamaquoddy Tribe at Pleasant Point; Michael Stover, USEPA Region I; Marc Paiva, USACE

Moderator: John Wheaton, Nez Perce Tribe and TWRAP Steering Committee member



Moon of Snow Wading

Detailed Agenda ~ Thursday, August 18



1:30 pm ~ 3:00 pm Breakout Sessions 1:30 pm ~ 3:00 pm

RCRA Public Participation: Make Your Voice Count in the RCRA Decision-Making Process AND Are You Satisfied with Your Outreach Efforts? ~ Oneida/Penobscot ~

Details: Underlying the success of public participation programs at RCRA Sites, are comprehensive strategies and specific processes that are required for the unique implementation of each program. The EPA recently updated the 1996 Edition of the RCRA Public Participation Manual. EPA will provide an overview of the EPA's Draft RCRA Public Participation Manual and discuss the importance of public involvement and participation during the RCRA permitting and corrective action process. This presentation will also offer helpful approaches, strategies, and tools to working with rural, and indigenous communities. Participants will have an opportunity to share their experiences and will walk away with practical, hands-on ideas and gain a working knowledge of the tools that are available for effective public participation in the RCRA permitting and corrective action process. This presentation focuses on what connects people when culture, quality of life concerns, and public involvement practices converge. The objectives of the presentation are: • To convey the concepts of the RCRA Public Participation Manual; • To convey the importance of public participation throughout the RCRA permitting and corrective action processes; • To share tips and advice on working successfully with facilities, the public/communities and regulators. • To share tactics for successful outreach at RCRA sites.

Presenters: Toshia King and Kristina Torres, USEPA

Details: La Jolla Environmental Protection office has been successfully conducting community outreach and education for more than 10 years. Like most of the tribal environmental offices, we have been publishing a newsletter and setting up education booths at different events giving out environmental brochures. Since 2008, we explored new avenues to conduct better outreach. And, now we host an Annual Earth Day event (with attendance more than 550 in 2016); setup information booths at Tribal Council Meetings; host Alternative Spring Break Program, American Indian Summer Institute in Earth System Science (AISESS) program, and Young Native Scholars program. How can you increase the attendance at an outreach event without serving free food? Is it allowed to use EPA funds to purchase light refreshments? Can you use Facebook and Youtube to do outreach? What outreach promotional items are allowed to be purchased with GAP, 106, or 319 funds? Ideas for outreach activities like painting rain barrels, Environmental Career Day, Science Fair, 18 month environmental calendar, incorporating environmental curriculum into after school programs or Head Start programs will also be discussed. Expected Outcomes: Attendees will learn possible ways to increase participation at their outreach events. They will also learn how to create a Facebook page and YouTube Account for their environmental programs.

Presenter: Tej Attilli, La Jolla Band of Luiseno Indians

Moderator: Rob Roy, La Jolla Band of Luiseno Indians and TWRAP Steering Committee member

Using Brownfields to Assess Tribal Housing Problems ~ Passamaquoddy/Brothertown ~

Details: Many Tribal reservations and communities have serious housing shortages. At the same time many existing older structures are abandoned or uninhabitable due to age and/or functional obsolescence, as well as asbestos, lead-based paint, mold, radon, disease vectors and other issues. Some sites even become open dumps or drug labs. Developing sites for new homes is a lengthy, expensive and tedious process that can also change the look and feel of the community by spreading out development. Reuse of sites with existing infrastructure can be an effective solution. Several tribes have utilized the Brownfields (128(a) Tribal Response Program) as a means to inventory, assess and in some cases demolish older homes so they could be replaced by modern housing. This panel session will showcase the knowledge and experience of tribal Brownfield Coordinators that have been utilizing the 128(a) Brownfields program to inventory and assess condemned, abandoned and/or burned structures (that fit the EPA definition of a "Brownfield") and conduct oversight of the renovation of some structures or demolition of such structures to clear the way for new housing. Participants will learn how the 128(a) Tribal Response Program (Brownfields) program can be utilized to assist tribes will inventory and assessment of existing sub-standard homes to facilitate in-fill housing efforts to address tribal housing shortages. An outcome will be a reduction in unsafe and sub-standard homes and increased utilization of existing home sites. A basic knowledge of the TRP-Brownfields program is required.

Presenters: Quinton Jacket, Ute Mountain Ute Tribe; Robert Smith, Cheyenne River Sioux Tribe; Jody Ground, Three Affiliated Tribes

LUST Sites: Protecting Ground Water Supplies ~ Narragansett ~

Details: In addition to public supply wells, private water wells are an important source of water for many communities in the US, including tribal lands. These sources are shallow wells that are often more vulnerable to contamination and may be impacted by a variety of contaminant sources, including leaks from USTs. Understanding the fate and transport of contaminants from these sources in relation to the position of these water wells is key to protecting these water supplies. Additionally, with climate change and associated extreme weather events, the potential changes in hydraulic flux created by these events may negatively impact water quality and quantity. A preliminary step in addressing the influence of contaminant sources on water wells is to understand the geo-spatial context of both water supply wells and contaminant sources can assist Tribes in addressing the needed cleanup to protect water supplies.

Presenters: Reuben Moya, USEPA Region 6; Jeffrey Lyon and Leonard Sabatino, ENIPC; Fran Kremer and Jim Weaver, USEPA ORD



Detailed Agenda ~ Thursday, August 18

1:30 pm - 3:00 pm Breakout Sessions 1:30 pm - 3:00 pm

Rebuilding an AWESOME Environmental Compliance Program on Akimel O’odham Land AND USEPA Guidance for Discussing Tribal Treaty Rights ~ Shinnecock/Nipmuk ~

Details: This session will share the steps in navigating through the federal and tribal laws and rebuilding a successful and collaborative environmental compliance program. This includes sharing of the successes and challenges of compliance program oversight, administration, data coordination and field work.

Presenter: Amy Miguel, Salt River Pima-Maricopa Indian Community

Details: In February, after an extensive national tribal consultation effort, the USEPA issued the EPA Policy on Consultation and Coordination with Indian Tribes: Guidance for Discussing Tribal Treaty Rights (Guidance). The Guidance is designed to enhance EPA’s consultation efforts in situations where tribal treaty rights relating to natural resources may exist in a specific geographic area that is the focus of a proposed EPA action. The Guidance follows EPA’s December 2014 memorandum, which commemorated the 30th anniversary of the 1984 EPA Indian Policy and provided a clear policy statement regarding the role of tribal treaty rights in the context of EPA activities. This session will present on this historic guidance and answer questions participants may have about this guidance.

Presenters: Dona Harris and Jeff Besougloff, USEPA

Moderator: Alex James, Yakutat Tlingit Tribe and TWRAP Steering Committee member

Tribal Led Remediation at the Tar Creek Superfund Site AND Lake Superior Barrel Project ~ Schaghticoke~

Details: The Quapaw Tribe has conducted the first ever tribal-led Superfund cleanup at what is known as the "Catholic 40" property within the Tar Creek Superfund site. This site is of cultural and historical significance to the Tribe, as it contains evidence of important events in the history of the Tribe. After removing source material (mine tailings) from the site, the Tribe sampled the underlying soil and determined that much of it was also contaminated with heavy metals. Removing these soils (to a one-foot depth) according to the Record of Decision (ROD) would be costly and would deplete the already scarce quantity of topsoil in this area, ultimately impairing the Quapaw Tribe’s ability to reestablish vegetation enabling eventual productive use of the property. The traditional cleanup approach of removing contaminated soils risked leaving behind a barren landscape. Along with EPA, and the Oklahoma Department of Environmental Quality, the Tribe took a step back to consider how to tackle this challenge of meeting the site’s cleanup objectives without greatly limiting the future use of the property by the Tribe. With the help of an optimization team from EPA, an innovative approach was suggested. This approach included soil amendments that could potentially bind the contaminants of concern in place, making them immobile and greatly reducing their bioavailability, while allowing what has been termed "transition zone soils" to remain in place. Following the addition of soil amendments and seeding, the Catholic 40 site is currently undergoing monitoring of "technical performance measures" that include both short- and long-term measures to evaluate the effectiveness of the amendments. This presentation will provide the audience with a general description of this activity and how it relates to the experiences and challenges moving forward with remedial action at the Catholic 40 site and at the Tar Creek site as a whole. An update of additional remedial action activities the Quapaw Tribe is performing at the Tar Creek Superfund site will also be provided at the end of the presentation

Presenter: Tim Kent, Quapaw Tribe

Details: The content of this session includes a concise presentation to inform participants about the Red Cliff Band of Lake Superior Chippewa and the Tribe’s efforts to evaluate the potential impacts and risks to human health and the environment from the dumping of approximately 1,400 barrels of waste material into Lake Superior between 1959 and 1962. Since 2003, the Red Cliff Band has worked with the U.S. Department of Defense (DoD) and U.S. Army Corps of Engineers (USACE) under the Native American Lands Environmental Mitigation Program (NALEMP) to investigate and evaluate the Lake Superior Barrel Dump Areas. Participants will learn about the Tribe’s reverence for the sacred waters of Lake Superior and the natural resources of the region on which the Chippewa Tribes depend for subsistence and to maintain the Tribes’ cultural heritage. Participants will also learn about the treaties that recognize the Tribe’s sovereignty, cultural traditions, and legal standing to conduct this work aimed at protecting and restoring the natural and cultural resources of the Tribes and communities of the region. Participants will also learn about underwater investigation methods and sampling and analysis procedures used to compile environmental information about the barrel dump areas. The expected outcomes include an informed, enlightened, and inspired group of participants. This outcome is expected based on the accomplishments of the Red Cliff Band of Lake Superior Chippewa working under challenging conditions on a technically complex and demanding project.

Presenter: Gary Defoe Jr., Red Cliff Band of Lake Superior Chippewa

Moderator: Victoria Kotongan, Native Village of Unalakleet and TWRAP Steering Committee chair

Detailed Agenda ~ Thursday, August 18



1:30 pm ~ 3:00 pm Breakout Sessions 1:30 pm ~ 3:00 pm

Idaho Tribal Fish Consumption Survey: Protecting High Fish Consumers through the CWA AND Benefit of Sea-Run Alewives for Ecosystem Restoration and Food Fishery ~ Abenaki ~

Details: EPA has been collaborating since 2012 with Idaho Tribal Governments (Kootenai, Coeur D'Alene, Nez Perce, Shoshone Bannock and Shoshone Paiute Tribes) on a Tribal fish consumption survey to build Tribal environmental capacity; determine current and heritage fish consumption rates; understand the causes and reasons for suppression of fish consumption, and Tribal hopes for the future; and collect data to support Idaho Department of Environmental Quality and EPA CWA actions on Idaho human health criteria. The study confirms that Idaho Tribal members consume more fish than the general population. The survey successfully collected data for and implemented the National Cancer Institute method, the state of the art approach for fish consumption surveys. The heritage survey reports document and quantifies heritage fish consumption rates, providing support for use in developing Tribal water quality standards. This session will be informative for anyone interested in understanding about the work in the Pacific Northwest to adopt higher fish consumption rates in ambient water quality standards. This session will also be informative for any tribal government representatives that are interested in conducting tribal fish consumption surveys.

Presenters: Mary Lou Soscia, USEPA Region 10

Details: This is the story of "Siqonomeq" (sea-run alewives) the fish that feeds all, and how these keystone fish benefit the ecosystem, the creatures within the ecosystem and the people. Restoration of these fish help keep the water clean and provide needed nutrients to the fresh water systems. As a food fishery it can also provide much needed sustenance benefit as well as economic, cultural and future food benefits for survival of the people. These fish can enhance the overall productivity of the environment.

Presenter: Ed Bassett, Passamaquoddy Tribe at Pleasant Point

Moderator: Riley Smith, Institute for Tribal Environmental Professionals

Non-Point Source Restoration Activities Following Catastrophic Wildfires on the Fort Apache Indian Reservation AND Integrating the Protection of Healthy Waters in Tribal CWA Section 319 and Other Water Programs ~ Nehantic/Pequot ~

Details: The purpose of this session is to highlight the importance of active tribal watershed management and to also report the results of two tribal NPS pollution restoration projects that were launched due to the catastrophic effects of the 2002 Rodeo-Chediski Wildfire. In 2005, White Mountain Apache Tribal (WMAT) natural resources managers selected both Swamp Spring and Turkey Spring for restoration activity due to projections of high erosion and degradation caused by the Rodeo-Chediski wildfire (Long, et al., 2005). Funding complications resulted with only Swamp Spring receiving proactive restoration activity. In 2012, the WMAT was awarded a competitive U.S. Environmental Protection Agency (EPA) NPS management grant to address massive channel erosion, wetland loss and channelization that was occurring at Turkey Spring. Collaborative studies performed by the Tribal Water Resources Department, Dr. Jonathan Long (USFS-PSW Research Station), USFS Rocky Mountain Research Station and the Cibecue School's Ndee Bini' Bida'ilzaahi program resulted in monitored restoration activity and geomorphic based research at both sites from 2005 through 2015 (Long, unpub, 2015). Temporal lapses in environmental restoration activity at Turkey Spring and Swamp Spring resulted in wildfire induced geomorphic studies that could be utilized to highlight and differentiate between proactive versus inattentive environmental restoration activity. The relevance of this presentation is to emphasize proactive watershed management on Native American lands especially with new obstacles being created by climate change, historic mismanagement and/or natural disasters. Session participants will be provided the opportunity to examine WMAT water resource restoration activities that proved successful on the FAIR.

Presenters: Cheryl Pailzote and Jarvis Davis, White Mountain Apache Tribe

Details: EPA's Healthy Watersheds Program (HWP) was launched to place a renewed emphasis on the protection of healthy waters and to leverage these natural resources to accelerate our restoration successes. Through the HWP, EPA is working with tribal, state, and other partners to take proactive measures to identify and protect healthy watersheds. This session will provide an overview of the HWP, the Healthy Watersheds Consortium Grant Program, and the 2016 Preliminary Healthy Watersheds Assessment, which will provide statewide and ecoregion-wide assessments of HUC12 watershed health and vulnerability across the continental United States. This session will also provide tribes with examples of approaches for integrating the protection of healthy waters in their water quality assessment and nonpoint source management programs.

Presenters: Steve Epting, USEPA

Moderator: Virginia LeClere, Prairie Band Potawatomi Nation



Closing Plenary ~ Thursday, August 18

3:30 pm ~ 5:00 pmClosing Plenary 3:30 pm ~ 5:00 pm

Closing Plenary: Uncas Ballroom 3:30 pm - 5:00 pm

FINAL RAFFLE
FINAL COMMENTS AND BLESSING BY CHIEF LYNN MALERBA
SPECIAL PERFORMANCES BY MOHEGAN TRIBAL DRUMMERS
SPECIAL 'A TASTE OF NEW ENGLAND SUMMER' REFRESHMENTS

Thank you all for joining us at this sixth TLEF.
We hope your experience was filled with beneficial
conversations, and useful information, and that you
return home with some new ideas and inspiration.
We wish you all safe and pleasant travels.

Meet Your On-Site ITEP Staff

All of us at ITEP want to thank you for your attendance and participation in the Tribal Lands and Environment Forum. We hope you find it useful in your ongoing work protecting tribal lands, water, and people.



Ann Marie Chischilly, Executive Director

Todd Barnell, Program Manager
John Mead, Program Coordinator Sr.
Julie Jurkowski, Program Coordinator Sr.
Riley Smith, Research Assistant

Roberta Tohannie, Program Coordinator Sr.
Jennifer Williams, Program Coordinator Sr.
Melinda Yaiva, Accountant
Lydia Scheer, Air Quality Program Manager



Adams, Ryan. Ryan is the Water Quality Technician at the La Jolla Band of Luiseño Indians. He has been working with different Tribal programs for over eight years. He has sound knowledge about drinking water treatment processes and water quality monitoring.

Anderson, Dale. Dale Anderson has served as an Environmental Quality Specialist for GRIC DEQ since 2009. He previously served with the Arizona DEQ, with over 20 years as manager of the Hazardous Waste Inspections, Emergency Response, and Pollution Prevention units. He has conducted hundreds of hazardous waste inspections, emergency responses and enforcement investigations.

Atkin, Hilary. Ms. Atkin works at the US Department of Housing and Urban Development (HUD), where she is a Senior Environmental Specialist for the Office of Native American Programs. The Office of Native American Programs offers programs aimed at improving housing and fostering economic and community development for tribes, and leads the effort to improve the environmental review process for housing and housing-related infrastructure development in Indian country through the Coordinated Environmental Review Process Workgroup. Hilary's education and career have been focused on environmental protection and compliance, and she is well versed in environmental authorities and compliance procedures. Hilary has had the pleasure of serving HUD as an environmental professional for the past five years.

Attili, Tej. Tej is the Environmental Manager at the La Jolla Band of Luiseño Indians. He is responsible for managing all the Environmental Office Programs. He has been working in the environmental field for 15 years with seven years of experience in tribal outreach programs.

Banks, John. John Banks is the Director of the Department of Natural Resources for the Penobscot Indian Nation, a federally recognized Indian Tribe in Maine. Mr. Banks has served the Penobscot Nation in this capacity since 1980, following the enactment of the Maine Indian Land Claims settlement Act of 1980. As Natural Resources Director, Mr. Banks has developed and administers a comprehensive Natural Resources management program for his tribe, which advances an integrated management approach, in recognition of the inter-connectedness of all things in the natural world. Mr. Banks has served on many local, regional, and national organization boards including the National Tribal Environmental Council, Native American Fish and Wildlife Society, National Indian Policy Center, and the Tribal Operations Committee with USEPA. Mr. Banks has a BS degree in Forest Protection from the University of Maine, where he was awarded an Indian Fellowship from the office of Indian Education in Washington DC.

Barolo, Mark. (barolo.mark@epa.gov) Deputy Director, US EPA Office of Underground Storage Tanks. Mark Barolo,

is the Deputy Director of EPA's Office of Underground Storage Tanks (OUST). OUST is responsible for implementing the national UST/LUST program to prevent and clean up UST releases. OUST works closely with its state, tribal, and industry partners to develop practical solutions to the ever-evolving program challenges and opportunities. Mark has worked in OUST since 1993 in a variety of capacities. He always appreciates the opportunity to talk with and learn from other professionals in the industry.

Bassett, Ed. Ed is a Passamaquoddy Tribal Member Pleasant Point Reservation and has worked 13 years in Environmental Department. He is a GIS and Multimedia Technician and has many years in tribal government, Environmental Activist for Restoration of the Passamaquoddy Homeland in Maine.

Battin, Andy. Mr. Battin is the Director of the E-Enterprise for the Environment at the U.S. Environmental Protection Agency (USEPA) in Washington, DC. He is a member of the Senior Executive Service (SES) and has over 28 years of information technology experience. Previously he was the Director of the Office of Information Collection in EPA's Office of Environmental Information where his responsibilities included the National Environmental Information Exchange Network, EPA's Central Data Exchange (CDX), the eRulemaking initiative (Regulations.Gov), as well as EPA's Records, FOIA, eDiscovery and Privacy Programs. Since 1987 he has held a variety of positions at the EPA in the Office of Water, the Office Chemical Safety and Pollution Prevention, and was the EPA's National Geographic Information Systems (GIS) Program Manager. Prior to joining EPA, Mr. Battin worked at the former Defense Mapping Agency-Hydrographic/Topographic Center. He has earned a Bachelors degree in Geo-environmental Studies from Shippensburg University of Pennsylvania, and a Chief Information Officer (CIO) certificate from the National Defense University.

Beling, Christine. Christine joined the United States Environmental Protection Agency (EPA New England) in December 1994 and is a Project Engineer. She is currently a member of the Assistance and Pollution Prevention Unit in the Office of Environmental Stewardship. Chris' role in the unit is to promote EPA's mission in the area of Sustainable Materials Management. The unit focuses on non-regulatory initiatives aimed at extended product responsibility/product stewardship, waste prevention, reuse and recycling actions by the public and private sectors. Christine holds a B.S in Chemical Engineering from Tufts University.

Benjamin, David. Dr. David Benjamin is President of better, Inc., Architect and Charrette Planner and has designed several sustainable buildings and landscape projects with indigenous communities, in both South and North America. He has moderated charrettes in many contexts in the US, also with Native American institutions.



Speaker Bios

Benjamin, Kent A. Mr. Benjamin is the Deputy Director of the Office of Communications, Partnerships and Analysis (OCPA) in the Office of Land and Emergency Management (OLEM) at USEPA. Kent manages a diverse staff of senior analysts, stakeholder program coordinators and communications professionals. His office provides advice and support to Assistant Administrator Mathy Stanislaus in OLEM on matters ranging from Environmental Justice and Tribal issues to Renewable Energy to Social Media strategies. Immediately prior to his current position, Kent served as acting Director to the Innovations, Partnership and Communications office. Before returning to OLEM (formerly OSWER) he was an Associate Director, in the Office of Environmental Justice (OEJ). Previously, Kent managed the EPA Office of Environmental Justice's efforts in support of community-based projects, through outreach, communications and financial management. He worked closely with EPA's regional offices in support of their EJ functions and approaches. Earlier, he served as Environmental Justice Coordinator and State Liaison for OSWER. In that role, he co-chaired EPA's Community Action for a Renewed Environment (CARE) program where he worked with a multi-disciplinary, national, inter-agency team. Throughout his career, he has worked on an extensive range of issues including Brownfields Redevelopment, Waste Transfer Stations, Asbestos Rulemaking, and Title VI of the Civil Rights Act of 1964. Kent is trained in Alternate Dispute Resolution (ADR) and has facilitated community-based meetings, environmental panels and environmental justice discussions in communities nationwide and in Brazil and China. He joined EPA in 1990 as a Regulatory Impacts Analyst. Kent holds a Master of Science degree in Public Management and Policy, from Carnegie Mellon University, and a Bachelor of Arts degree in Political Science and Economics, from the University of Massachusetts, Boston.

Besougloff, Jeff. Jeff is currently a Senior Advisor for Law and Policy at EPA's American Indian Environmental Office (AIEO) in the Office of International and Tribal Affairs (OITA). Before joining EPA in November 2000, he worked for eight years as the Director of Environmental Programs for the Upper Sioux and Lower Sioux Communities in Minnesota. With the tribes, Jeff was responsible for a broad range of environmental capacity building and program implementation activities including administering federally delegated lead-based paint programs, water and wastewater infrastructure development projects, wetlands programs, and energy efficiency and wind power programs. At EPA he works to insure that EPA services and resources are available to tribes to meet tribal and EPA environmental program priorities. He has worked on numerous national policy initiatives including providing access to water and wastewater facilities to tribal homes, strengthening the partnership between EPA and tribes through consultation, confirming EPA's commitment to protecting treaty rights, and on revisions to the delegation of federal environmental programs to tribes. Jeff also has five years of experience practicing law in Washington DC.

Bettelyoun, Randy. Randy works as the Coordinator of the

Underground Storage Tank/Leaking Underground Storage Tank program for the Oglala Sioux Tribe in Pine Ridge, South Dakota. He has an A.A Degree in Business and General Studies from Oglala Lakota College in Kyle, South Dakota. Randy received his tribal certification in Underground Storage Tank Operations removal and inspections through Intertribal Council of Arizona Inc. Since 1997 when he began working for the Oglala Sioux Tribe he oversaw the installation removal and clean-up of UST /LUST sites on the Pine Ridge Indian Reservation and has acquired not only classroom training but also practical hands on experience in the UST/LUST field .He also is a veteran of the Marine Corps 1983 thru 1987.

Bojorquez, Hank. Hank is the Water Program Manager at the La Jolla Band of Luiseño Indians. He has been working with the Tribal programs for 9 years. He has been educating the tribal youth about environmental quality for three years.

Brow, Heidi. Heidi has worked as the Water Resource Specialist for the Pala Environmental Department since 2005.

Broz, Kurt. Kurt is a wildlife biologist with a master's degree from John Carroll University. He has worked for Pala since 2012.

Bulgrin, Scott. Scott works for the Pueblo of Sandia Environment Department as their Water Quality Manager, and has worked for the Pueblo for the past 15 years. As water quality manager, he has been involved with various environmental activities which include: surface water quality monitoring, water quality standards, endangered species surveys, biological and vegetative surveys, National Pollutant Discharge Elimination Systems (NPDES) permits, compliance and enforcement (Mr. Bulgrin has Federal Credentials under the CWA), storm water issues, Rio Grande Bosque restoration, wetland restoration, other water quality issues (groundwater, wastewater and drinking water), and a variety of environmental activities (USTs, illegal dumping, recycling, and air).

Burchette, John. John is a physical scientist in the Federal Facilities Restoration and Reuse Office (FFRRO) of the Environmental Protection Agency's (EPA) Office of Land and Emergency Management (OLEM). John has a BS in Earth Science, a BS in Environmental and Geosciences and an MS in Geoenvironmental Studies. John has 2-years private industry experience as an environmental consultant conducting and overseeing various field work activities prior to starting with the EPA in 2007. Since joining EPA, John has worked as a Remedial Project Manager overseeing NPL and BRAC Federal Facilities sites in Region 3 for eight years prior to joining the Federal Facility Restoration and Reuse Office at EPA HQ in 2015. John currently serves as the EPA Region 5 Federal Facilities program coordinator and is involved in the development of the FEDFacts website as well as being involved in property transfers and various program measure tracking.



Burg, Marta J. Attorney and Tribal Consultant. Ms. Burg has been providing legal services exclusively to Tribal Governments since 1997. Her practice focuses on environmental protection and natural resource rights and management, governmental operations, inter-governmental relations, real estate transactions and economic development, and Tribal law and order. Since 1999, she has served as the Tribal Policy Advisor to the Region 9 Tribal Operations Committee; in that capacity, she has represented Tribal interests in activities of the National Infrastructure Task Force through participation on the Drinking Water/Wastewater Access Workgroup the Waste Sub-Workgroup. Ms. Burg has taught college level courses regarding environmental law and environmental ethics; and has published articles and made presentations to college-level and graduate classes, and at conferences, workshops and continuing education courses, regarding Tribal environmental issues. She also served as a Member of and Advisor to the Executive Committee of the State Bar of California's Environmental Law Section from 1999 to 2004. Ms. Burg obtained a B.A. in Anthropology from UC Santa Barbara in 1985; a J.D. from Loyola Law School in 1991; and an LL.M. with Concentration in Environmental Law from the University of San Diego School of Law in 1997.

Byrne, Andrew. Andrew is a program analyst with the EPA American Indian Environmental Office (AIEO) in the Office of International and Tribal Affairs. As a member of the Law and Policy team, Andrew responds to policy and legal issues impacting EPA's Tribal Program, including matters related to water quality standards and treatment in a manner similar as a state (TAS). Before joining AIEO he was a law clerk for the District of Columbia Department of the Environment.

Campbell, Rich. Rich Campbell, Professional Geologist, President of Campbell Environmental Group. BS. in Geology, State University of New York at Stony Brook, MS in Geology, University of Idaho. Has been providing investigation and remediation services of hazardous and petroleum wastes since 1988. Began assisting tribes in 2007 to complete 128 (a) and 104 (k) Brownfields Programs.

Capuano, Lynn. Lynn Capuano joined E-Enterprise/Exchange Network in July 2015 as the Executive Coordinator. As Coordinator, she is the third party neutral to the partnership of state, tribal and federal environmental agencies coordinating efforts to streamline and improve environmental management through business process improvement and effective application of technology. Prior to joining E-Enterprise/Exchange Network she was the Data Management Team Leader for EPA Region 2 where she established a region-wide workgroup to address data access and data integration issues and oversaw the region's efforts to incorporate "next generation" tools into its permits and settlements among other data-related work. Lynn completed an M.S. in Environmental Technology at New York Institute of Technology in 2014 and received a B.A. in History from the University of Chicago and a J.D. from Fordham University School of Law. She is presently a Com-

mander in the U.S. Coast Guard Reserve having begun her Coast Guard career in 2003 on active duty as a Judge Advocate General.

Castillo, Carissa. Carissa is a new member to the USET team and will provide training and technical assistance to Tribal utility staff. She has a Bachelor's Degree in Environmental Science from The University of Central Florida. Her focus is on environmental topics including water, air quality, and policies/procedures. Being new to the USET team, she strives to share her enthusiasm and knowledge with the staff. Her desire to strengthen the relationship between communities and the environment will help accomplish goals set upon her by USET and The Tribal Nation. Also, she enjoys spending her free time outdoors doing activities such as kayaking, camping, reading, and exploring nature.

Chavez, Margaret. Margaret is from Santo Domingo Pueblo, one of nineteen in New Mexico. She is a graduate of the University of New Mexico with a Bachelor of Business Administration. She has been working in the environmental field for over 20 years starting with the Superfund Program as the Community Relations Coordinator. Over the years she has worked in various capacities including Solid Waste, Brownfields, Superfund, Pesticides, and Hazardous Waste but her passion is working with tribal governments and tribal communities. She enjoys interacting with youth and talking with the elders. Under the Eight Northern Indian Pueblos Council, Inc. she helps organize and coordinate the annual Tribal Youth Environmental Summer Camp for high school students. She leads many solid waste efforts (trainings, events, projects) amongst New Mexico pueblos and tribes.

Chischilly, Ann Marie. Ann Marie Chischilly is the Executive Director at the Institute for Tribal Environmental Professionals (ITEP). ITEP celebrated 20 years in the fall of 2012 and has served a majority of the tribes and Alaskan Native Villages nationwide. Ms. Chischilly currently serves on two federal advisory committees: 1) Advisory Committee for the Sustained National Climate Assessment and 2) the National Safe Drinking Water Council. She has also served on the Advisory Committee and Natural Resource Science. Ms. Chischilly currently serves on the following boards: Center for Indigenous Environmental Health Research; ND EPSCoR, and the National Marine Educators Association. She served on the Arizona Attorney magazine Editorial Board, Indian Law Section Executive Board of the Arizona State Bar, Arizona Energy Consortium-Tribal Liaison and National Marine Education Association. She served on the First Stewards Founding Board, National Tribal Water Council, Native American Connections Board. In December 2015, Ms. Chischilly was invited by UNESCO to speak at a pre-COP21 event, "Resilience in a Time of Uncertainty." Before coming to ITEP, she served for over ten years as Senior Assistant General Counsel to the Gila River Indian Community (Community), where she assisted the Community in implementing the historic Arizona Water Settlement Act. Ms. Chischilly is an enrolled member of



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the Navajo Nation (Diné). She earned her Juris Doctorate (J.D.) degree from St. Mary's University School of Law and a Masters in Environmental Law (LL.M) from Vermont Law School. She is licensed in Arizona and has practiced in state, district, and federal courts. She is also a member of the International Bar Association.

Christina, Michele L. Michele spent over 10 years in the environmental consulting field, working predominantly on pre-remedial assessments on Federal and State superfund sites. She then jumped to the public sector side of the fence working as the City of Trenton's Brownfields Coordinator and, later, as the City's Director of the Division of Economic Development. Currently, Ms. Christina is co-owner of BRS, Inc., a municipal consulting services group headquartered in New Jersey. BRS helps their governmental, non-profit, and tribal clientele that struggle with redevelopment funding and staffing capacity. BRS assists public sector entities create places where residents want to live, work, and play by preparing winning grant applications and providing outsourced project management for public sector redevelopment projects. As co-owner of BRS, Michele Christina manages redevelopment projects and municipal brownfield programs. Ms. Christina is the principal in charge of the firm's technical services. Services performed for clientele on public sector redevelopment projects include: • Redevelopment strategies; • Identification of redevelopment funding sources; • Application for and administration of funding sources; • Regulatory liaison; • Management of revolving loan funds; and • Community outreach and facilitation. Ms. Christina holds her Bachelor of Science in Biology and Environmental Science, with a concentration in Chemistry, from Westminster College. She is licensed in New Jersey in underground storage tank closure and subsurface evaluation. She is also a certified Economic Development Finance Professional.

Clark, Rebecca. Rebecca Clark is the Acting Deputy Director of U.S. EPA's Office of Emergency Management. Her permanent position is Deputy Director of Office of Ground Water and Drinking Water. Her office administers the Safe Drinking Water Act, the key federal law for protecting public water supplies from harmful contaminants for over 300 million U.S. residents. Her office administers the Safe Drinking Water Act, the key federal law for protecting public water supplies from harmful contaminants for over 300 million U.S. residents. Becki started her career at EPA in 1985. Before joining the Office of Water, she held a variety of scientific and management positions at EPA, including in the Office of Policy, Planning and Evaluation, in the Office of Research and Development, in the Office of Environmental Information, and in EPA's Superfund program in the Office of Solid Waste and Emergency Response. Becki's education includes a Master's degree in Public Health from the University of Michigan and a Bachelor of Science degree in Microbiology and Public Health from Michigan State University.

Cooke, Mary. Mary is a physical scientist in the Federal Facilities Restoration and Reuse Office (FFRRO) of the Environmental Protection Agency's (EPA) Office of Land and Emergency Management (OLEM). Mary has been working with FFRRO since October 2006. In addition to her role as FFRRO Tribal Liaison her areas of expertise include BRAC, emerging contaminants and vapor intrusion. Mary is also the EPA Region 3 Regional Coordinator. Mary joined the federal government in 1998 as an NPL and BRAC remedial project manager for EPA Region III in Philadelphia. She holds a Bachelor's degree in Earth Science with minor in Geography and Marine Science from Pennsylvania State University, and a Master's degree in Environmental Pollution Control, also from Penn State.

Craig, Vivian. Vivian Craig works for the Navajo Nation Superfund Program as an environmental specialist.

Dailey, CDR Alex, P.E., PMP. CDR Dailey originally hails from Jacksonville, NC and attended Oregon State University, earning a B.S. in Civil Engineering in 1998. He worked in private consulting in the San Francisco area and for the State of California in the bridge construction division before his first assignment as a project engineer with the Indian Health Service, Division of Sanitation Facilities Construction (DSFC), in the Manlius NY field office in 2003. In 2006, he transferred to the IHS Spokane, WA District Office as a project engineer, and in 2009 he took on the position of District Engineer in that same office for the Spokane District. Along the way he achieved licensure as a Registered Professional Engineer from the State of California in 2002 and certification as a Project Management Professional in 2010. He is currently working toward a Masters of Science in Project Management from the University of Wisconsin-Platteville. In September of 2015, CDR Dailey transferred to IHS Headquarters in Rockville, MD to take on the role of Assistant Director of the DSFC program, where he works on national policy and quality improvement efforts for the SFC Program.

Dailey, Anne. Anne Dailey is a senior environmental scientist with the US Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Anne serves as an OSRTI Superfund Tribal Coordinator and works with the Tribal Superfund Working Group. Anne also works on Superfund climate change issues, groundwater challenges and is the Superfund Completions Coordinator. Prior to joining EPA Headquarters five years ago, Anne worked for more than 20 years in EPA Region 10 (Seattle) in both the Superfund and Water programs. In Region 10, she was a Superfund Remedial Project Manager for more than a decade and worked on a broad array of remediation challenges. Anne



has a Bachelor of Science in Geology and a Master's of Science in Oceanography from the University of Washington.

Daukas, Glenn. Glenn Daukas is a Senior Geologist with Campbell Environmental Group located in Falmouth, Maine. Mr. Daukas has over 30 years of professional experience in environmental consulting and engineering for private, State, federal, and Native American clients. He currently works with the Passamaquoddy Tribe and the Penobscot Indian Nation on their Brownfields 128(a) Tribal Response and 104(k) Assessment Grant Programs and has supported the Maine Tribes since 2007. Mr. Daukas has been working on Brownfields projects since 2004 for the State of Maine and local municipalities. Mr. Daukas started his professional career in Hartford, CT with TRC Environmental Consultants after graduating from the University of Maine, Orono in 1983. During his career Mr. Daukas has worked on a variety of projects with small businesses, Fortune 500 Companies, and large governmental agencies. He was fortunate to start his career during the early years of the USEPA Superfund Program and worked on several of the first Superfund sites including Love Canal in New York.

Davis, Javis. Mr. Davis recently graduated from Fort Lewis College where he majored in Geology and also studied geographic information systems. He is currently the Tribal Non-Point Source Coordinator for the White Mountain Apache Tribe and in the past has seasonally interned for the White Mountain Apache Tribal Water Resources Department since 2012. Javis was just recently accepted to John Hopkins University's graduate environmental science program where he intends to further his studies in water resources and the environmental sciences.

Davis, Robin. Retired, Utah Department of Environmental Quality. Robin V. Davis is a Licensed Professional Geologist and recently retired from 25 years as a Project Manager with the Utah Department of Environmental Quality, Leaking Underground Storage Tank program. Robin has over 40 years of professional experience, and spent the last 30 years in state government managing petroleum release investigations and cleanups. She specializes in the behavior, transport, fate, and natural attenuation of petroleum hydrocarbons, and risk assessments. Her most recent work includes acquisition, compilation and analysis of petroleum vapor data for the purpose of establishing screening criteria for the petroleum vapor intrusion exposure pathway. This body of work has resulted in national guidance documents published by EPA OUST and ITRC, and has been adopted by other countries including Brazil. Robin earned a Bachelor of Science in Geology from Sonoma State University in Rohnert Park, California in 1977.

Davis, Shannon. Shannon is a scientist at the Environmental Protection Agency in San Francisco where she is a member of Region 9's Tribal Solid Waste team. She also co-leads a project, West Coast Climate and Materials Management Forum,

which helps cities, states and tribes to integrate sustainable materials management policies and practices into climate protection and sustainability plans.

Defoe Jr., Gary. Gary is a member of the Red Cliff Band of Lake Superior Chippewa. He has a wife, daughter and currently resides on the Red Cliff Reservation. Gary has been involved with the Barrels Project since 2012 when the Band retrieved 25 barrels of munitions and ash and slag and has since been hired as the Project Manager for this project.

Delehanty, Robyn. Robyn is the State and Tribal Section 106 Grant Program Coordinator and is responsible for managing the national allocation, developing guidance, cross-program communication and supporting national and regional initiatives. Robyn has been with the program for 8 years and with EPA for 18 years. Robyn worked for 10 years in the Underground Injection Control Program. Prior to that she worked for the Massachusetts Water Resource Authority and as an environmental consultant.

Diefendorf, Sarah. Sarah is the Executive Director of the Environmental Finance Center West, a program housed at Earth Island Institute in Berkeley, California. She has founded and managed numerous nonprofit organizations throughout her career and has specialized in building business, financial, communications and leadership capacity in the US and abroad. For the past three years Sarah has worked as a national trainer for USEPA and has delivered Leadership Through Communications workshops for small water systems for small and rural communities and Tribes throughout the United States. Sarah also has over ten years of experience working with multiple Tribes in California, Nevada, Arizona and New Mexico to support efforts to develop greener economies and self-sufficiency through recycling programs, transfer stations, compost operations, ecotourism and alternative energy. Sarah is an Expert Witness for the USEPA National Environmental Finance Advisory Board, serves on the Board of the California League of Women Voters, is the immediate past chair of the Carbon Cycle Institute and holds a BA in International Relations from San Francisco State University and an MS in Environmental Geography from Cambridge University.

Dolislager, Fredrick G., B.S. Fred Dolislager has a B.S. in Natural Science from Bryan College, where he graduated in 1989. He has supported the environmental restoration activities on the Oak Ridge Reservation since 1988. Fred's career began in an environmental laboratory, transitioned into site-specific risk assessment and developed into managing the calculation of environmental screening levels for Superfund. These environmental screening levels are the national standard for chemicals and radionuclides in air, water, soil and biota. His exposure assessment models have also been adapted to support the assessment of residual chemical warfare agents on surfaces, the radiation risk from sources inside and outside buildings and the intrusion of vapors from contami-



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nated soil and groundwater into buildings. Most of the screening levels are also provided on the internet in an interactive system that allows users to change input parameters and calculate site-specific screening levels or cleanup levels.

Dollhopf, Ralph. Mr. Dollhopf is EPA's pre-designated federal Oil-Scene Coordinator for Michigan's Northern Lower and Upper Peninsulas. From July 2010 thru August 2013 he served as the EPA Federal On-Scene Coordinator (FOSC) and Incident Commander of the Unified Command for the response to the July 2010 Enbridge Line 6K Discharge into the Kalamazoo River. Previously, he helped lead EPA's responses to nationally significant events such as the World Trade Center Attack (2001), Washington D.C. Anthrax Attack (2001), Columbia Shuttle Disaster (2003), and Hurricane Katrina (2005).

Drummond, Michael. Michael works at the Council on Environmental Quality (CEQ) where he serves as Deputy Associate Director for the National Environmental Policy Act (NEPA). CEQ oversees Federal agency implementation of the environmental impact assessment process. NEPA assigns CEQ the task of ensuring that Federal agencies meet their obligations under the Act. The challenge of harmonizing our economic, environmental and social aspirations has put NEPA and CEQ at the forefront of our nation's efforts to protect the environment. Michael has significant experience assisting Federal agencies as they improve the environmental review process through efforts such as the Unified Federal Review for Disaster Recovery Projects and the Federal Infrastructure Permitting Improvement effort.

Du Bey, Richard. Richard Du Bey, Short Cressman & Burgess PLLC, focuses his practice on environmental, natural resources, and tribal government law, with an emphasis on environmental regulation, litigation, Native American law, administrative law, and inter-governmental negotiations. He counsels private and public sector clients in regulatory program development, compliance and enforcement, environmental risk management, hazardous substance cleanup, natural resource damages, and tribal economic development. Richard serves as Chair of the SCB Tribal Government Practice Group.

Dyment, Steve. (Dyment.stephen@epa.gov) U.S. EPA Technology Innovation and Field Services Division, Office of Superfund Remediation and Technology Innovation. Steve Dyment is a chemist with more than 15 years experience including 4 years in a commercial analytical laboratory and 8 years in environmental consulting. He joined EPA in 2005 with a focus towards enhancing acceptance and use of emerging analytical technologies and sampling strategies. His perspective draws upon years of practical laboratory and field experience to apply EPA's Triad approach at sites in Superfund, Brownfields, Resource Conservation and Recovery Act (RCRA), underground storage tanks, and state programs.

Steve's efforts have resulted in the development of numerous EPA case studies, profiles, and training courses that outline successful strategies for the use and understanding of collaborative data sets, adaptive quality control programs, and real time analytics. He holds a B.S. in Environmental Science/ Toxicology from the University of Massachusetts at Amherst.

Eberhard, Eric D. Prof. Eric D. Eberhard is an Affiliate Assistant Professor at the University of Washington School of Law. He has been actively engaged in the practice of federal Indian law since 1973, including employment in legal services on the Navajo, Hopi and White Mountain Apache reservations; as the Deputy Attorney General of the Navajo Nation and Executive Director of the Navajo Nation Washington Office, and Staff Director and General Counsel to the Senate Committee on Indian Affairs. From 2009 to 2016 he was a Distinguished Indian Law Practitioner at the Seattle University School of Law. From 1995 to 2009 Professor Eberhard was a Partner in the Indian Law Practice Group in the Seattle office of Dorsey & Whitney LLP. His practice involved the representation of Indian tribes, tribal organizations and entities doing business with Indian tribes in federal, state and tribal judicial, legislative and administrative forums. Prof. Eberhard's work included the areas of: fee-to-trust transfers, water rights, leasing of land and natural resources, federal contracting, gaming, federal recognition, the formation of Tribal corporations, environmental law, administrative law, jurisdiction, the development of tribal law, self-governance, cultural resource protection and the federal trust responsibility. Prof. Eberhard holds a B.A. from Western Reserve University. A J.D. from the University of Cincinnati and an LL.M from George Washington University.

Emarthla, Micco. Micco is the environmental specialist for Seneca-Cayuga Nation in Oklahoma. He is also the Region 6 liaison for the National Tribal Water Council.

Epley, Brian. Brian Epley, Short Cressman & Burgess PLLC, concentrates is Brian Epley, Short Cressman & Burgess PLLC, concentrates his practice on environmental and natural resource matters, including regulation and litigation arising under the Comprehensive Environmental Response, Compensatory and Liability Act (CERCLA), Washington's Model Toxics Control Act (MTCA), and the Clean Water Act (CWA). Brian represents Indian Tribes, local governments and private clients in environmental land use and real estate matters.

Epting, Steve. Mr. Epting is the national coordinator for the tribal Clean Water Act (CWA) section 319 program, as well as a team member in the Healthy Watersheds Program at US EPA Headquarters. Prior to his current position, Steve spent three years in EPA's National Nonpoint Source (NPS) Program, where he worked primarily with States and EPA regional offices to track and publish stories on the successful restorations of NPS-impaired waterbodies. Steve has a M.S. from University of Maryland, where he conducted research



to model forested wetland-stream surface hydrologic connectivity patterns using field-based and geospatial datasets.

Feldick, Molly A. Molly Feldick is the Brownfields/TRP Coordinator for the Winnebago Tribe of Nebraska for the past six years. She has used BIT for the Tribe's site inventory and reporting to ACRES. She has had over 46 Tribal Response issues during her six year with the tribe. Of these 46 all have been taken care of except two. One is a TBA and one is in the first stages of becoming an asbestos abatement.

Flowers, Victoria. Victoria has worked for the Oneida Nation since August of 2004, as an Environmental Specialist in the Brownfield Program developing a Tribal Environmental Response Program using Brownfield 128(a) grant funding, an Underground Storage Tank Compliance Assistance Program, and an environmental database that tracks various activities associated with tribal and federal funding. She has also provided input into a national measures workgroup for Brownfields, assisted in the development of peer to peer training materials for both Brownfields and underground storage tanks, and is a National Steering Committee member for the Tribal Waste and Response Assistance Program.

Gaughen, Shasta. Dr. Shasta Gaughen is the Environmental Director and the Tribal Historic Preservation Officer for the Pala Band of Mission Indians in Pala, California. She has worked for the Pala Band since January 2005.

Gee, Randy. Randy Gee is the Director of the tribal program for EPA Region 6. He has served in this role for many years and has taken active role in the Agency's implementation of its tribal/indigenous peoples EJ policy.

Gogal, Danny. Daniel Gogal has worked on EJ issues pertaining to tribes and other indigenous peoples for more than 24 years while serving in the USEPA Office of Environmental Justice. He co-led the development of the EPA tribal/indigenous peoples EJ policy. He is also the EPA lead for international human rights issues and serves on the Native American/Indigenous Peoples Committee of the Federal Interagency Working Group on Environmental Justice.

Gough, Robert. Robert Gough is the Executive Director of the Intertribal Council on Utility Policy and has worked extensively with the Dept. of Energy on Tribal Energy planning and renewables. He is involved with supplying information relevant to tribal contexts to the US national climate assessment reports, and has extensive experience in implementing renewable energy projects on tribal reservations.

Grant, Jill E. Jill is the founding member of Jill Grant & Associates, LLC in Washington, D.C. Her work focuses on the development, implementation, and enforcement of tribal environmental laws and programs and associated administrative and appellate litigation. She has assisted tribes with obtaining "treatment as a state" and primacy for many tribal environ-

mental programs, including the first delegated Clean Air Act Title V permit program and the first public water systems supervision program. She also works with tribes to obtain proper remediation at various leaking storage tank sites and Superfund sites. Ms. Grant previously worked in the Office of General Counsel at EPA, where she was on the team that drafted the Clean Air Act Amendments of 1990 and assisted in developing the acid rain program. Ms. Grant earned her JD from Harvard Law School and her BA from Yale College.

Grijalva, James. Professor Grijalva was law clerk at the United States Court of Appeals for the Ninth Circuit and a practitioner of law in Seattle. In addition to serving as Professor at the Univ. of North Dakota School of Law, he serves on the summer faculty at Vermont Law School. Professor Grijalva writes and lectures on environmental law and federal Indian law, especially in the area of protection of the Indian country environment. He directs the Northern Plains Indian Law Center's Tribal Environmental Law Project and teaches American Indian law, property law, environmental law, and administrative law. He has been a technical services contractor and environmental law trainer for the EPA and is the author of numerous publications relating to the administration of tribal environmental programs, including: "Tribal Sovereignty and Environmental Justice for Native America" (2011); "EPA's Indian Policy at Twenty-Five" (2010); and "The Origins of EPA's Indian Program" (2006).

Ground, Jody. Jody Ground, Environmental Manager for the Three Affiliated Tribes Housing Authority, Fort Berthold Reservation, ND. She has worked with Tribes, Federal, State agencies, and the Private Sector in several different Administrative rolls, providing compliance, monitoring, permitting and testing. Currently the Environmental Manager for the Three Affiliated Tribes Fort Berthold Housing Authority and was previously the Tribal TRP-Brownfields Coordinator. We have developed a Methamphetamine Remediation Program and through this program we have successfully remediated over 15 homes to a safe level for residents of our tribe. We have also completed indoor air testing for a large USDA project and remediated the mold problems that the USDA was concerned about. Fort Berthold has remediated burned homes with Asbestos and Lead paint problems with the help of the EPA in the past. We are moving forward to provide safe living conditions for the tribe and people.

Harris, Dona M. Dona currently works for the US Environmental Protection Agency as a Senior Program Analyst. She has worked for EPA for 34 years in various EPA offices and positions. In her current position she works in the American Indian Environmental Office on EPA's tribal consultation policy implementation issues and environmental justice. Dona was the co-lead in the development EPA's new Guidance on Discussing Tribal Treaty Rights.

Haerer, Ryan. (haerer.ryan@epa.gov) US EPA Office of Underground Storage Tanks. Ryan joined



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US EPA's Office of Underground Storage Tanks as the contact for emerging fuels compatibility with UST systems in 2013. Prior to joining EPA he studied environmental policy and international relations. Ryan was a combat medic in the Army when he was still moderately fast and could do pushups, and was a small business owner prior to that. Now he is much slower and can't do many pushups, but his golf game is much better. Ryan is originally from Dayton, Ohio, and now lives with his wonderful wife in Washington, D.C.

Hancock, Roger. Roger graduated cum laude from the University of Texas at Arlington in January, 1993 with a degree in Geology and Business. After graduating, he went straight to work for EPA Region 6 in Dallas and has been there for 23+ years in several different programs. He started his career in RCRA and Superfund and then moved to the Water Division. Over the course of nine years there he served as a Nonpoint Source Project Manager, the Marine Debris Coordinator and a Wetlands Enforcement Officer. Next, he moved to the Brownfields Program and was the Revolving Loan Fund Coordinator. Lastly, he has enjoyed spending the last twelve years as the Tribal Solid Waste Coordinator in the Multimedia Program where he provides technical assistance and outreach to the 66 federally recognized tribes in Region 6.

Hanson, Susan T. Susan is an environmental scientist and has served the Shoshone-Bannock Tribes in her current position since 2004. Her responsibilities include work on National Priority List Superfund Sites, Resource Conservation and Recovery Act sites, and mining reclamation sites. Ms. Hanson has more than 23 years experience as an environmental professional. Since 1994, she has served in various scientific capacities, including work for Tribal, State, federal governments and as a Consultant. She holds a BS in biology and a Master of Science in hazardous waste management, interdisciplinary biology and engineering from Idaho State University and has completed postgraduate studies in toxicology and risk assessment.

Harjo, Frank. Frank is the GIS Manager for the Muscogee (Creek) Nation and has over 14 years of GIS/GPS experience. Frank has been over the Muscogee (Creek) Nation Geospatial Department since 2009 and currently participates on regional/national work groups as a tribal representative. He holds a Bachelor of Science degree from the University of Tulsa and a Master of Science degree from Northeastern State University.

Harris, Dona. Dona Harris is the environmental justice lead for the USEPA American Indian Environmental Office, where she has worked for the past five years. She co-led the development of the Agency's tribal/indigenous peoples EJ policy.

Hartnett, Mickey. Mickey Hartnett of Envirofields is an independent contractor assisting tribal environmental programs. He also works with the Kansas State University Tech-

nical Assistance to Brownfields (KSU-TAB) to provide technical assistance to tribes and rural communities on brownfield issues and grants. He previously served as a tribal circuit rider for the US EPA Region 8 from 2004 to 2014 provide technical assistance and training to tribes for Tribal Response Programs - Brownfields, solid waste and emergency response and has developed national tribal training, to include Alaska Native Villages, for the Tribal Response Program. He is a graduate of the University of Florida with a B.S.E. in Environmental Engineering. Prior experience includes 25 years with the US EPA in the hazardous wastes, Superfund and Brownfields programs to include enforcement and compliance actions, hazardous waste facility permitting and major remediation projects of large contaminated facilities. He has diverse and extensive experience in assessment, remediation and redevelopment/reuse of contaminated sites and properties, including Brownfields and Superfund Sites. He is experienced in working with federal, state and local governments, tribal nations, and urban and rural communities.

Harvey, David. David is the Deputy Director of the Division of Sanitation Facilities Construction with the Indian Health Service (IHS) he is responsible for the development and overseeing of program guidance to support the construction of sanitation facilities in Indian country. He has worked with the interagency Infrastructure Task Force since 2007 to coordinate efforts to maximize the potential for sustainable tribal operation and maintenance over the long term for federally supported sanitation infrastructure. He is a registered Professional Engineer in the State of Maine. He holds a Bachelor of Science from the University of Maine, a Master of Science from the University of Connecticut both in Civil Engineering and a Master of Public Health degree from Johns Hopkins University School of Public Health.

Haven, Henry. Henry Haven received a BS in Geology from Fort Lewis College in 1976 and an MS in Geology from Northern Arizona University in 1997. He is currently employed as a geologist with the Navajo Nation EPA Leaking Storage Tank program, where he is involved in the assessment and remediation of subsurface groundwater contamination from leaking petroleum storage tanks. Previously, Henry worked as a well-site and exploration geologist in the oil fields with major oil-producing companies during the oil boom in the late 1970s in the Four Corners Region. He has completed several scientific publications with the U.S. Geological Survey on the coal resources of Black Mesa.

Hawkins, Tonya. Tonya is the Co-Team Leader for the EPA's Office of Resource Conservation and Recovery Tribal Waste Programs Team. Tonya has worked with the Tribal Waste Programs Team since 1997, she currently provides national program direction and partners with the EPA regions and other federal agencies to assist tribes with the management of waste on tribal lands. The EPA's main tribal solid waste priority, intended to address the most pressing waste-



related environmental issues on tribal lands, is the promotion of sustainable tribal waste management programs through the development and implementation of Integrated Waste Management Plans (IWMPs). Through the EPA's Tribal Waste Management Program, our goal is to assist tribes in developing and implementing sustainable safe waste management practices in Indian country that are protective of human health and the environment.

Henderson, Shawn. Shawn is the USEPA Region 7 WQX data submission expert.

Hingst, Page. Page is the TRP-Brownfields Coordinator for Ponca Tribe of Nebraska and is using BIT to store data for a variety of sites in seven service areas.

Hollenbeck, Katie. Katie is a Water Resources Outreach Specialist for the Illinois Water Resources Center at the University of Illinois. As part of the Private Well Class team, she assists with content and multimedia development, outreach, and social media marketing. In addition to her work with the Private Well Class, she aids in activities associated with the Illinois Nutrient Loss Reduction Strategy. Her past work has been primarily focused on surface water and she has previously worked on nutrient issues on lakes and streams for the Wayne National Forest, Ohio State University's F.T. Stone Laboratory, and the Illinois Environmental Protection Agency. Katie received her B.A. in Environmental Biology from Ohio University and her M.S. in Environmental Science from the University of Illinois at Springfield.

Horak, David. David is a Tribal Program Manager with the US EPA Region 5. David has over 10 years of experience in the R5 Tribal Program and over 20 years' experience in US EPA Water programs. Before coming to R5 David was in the R7 Drinking Water program as a State Program Manager. Prior to that he worked for the USDA NRCS in Nebraska.

Hoskinson, Carolyn. Carolyn Hoskinson has served as Director of EPA's Office of Underground Storage Tanks (OUST) since February 2009, and before that was the Deputy Office Director, beginning in August 2006. Carolyn started her career at EPA when she was fresh out of college 1991, and has served in several programs at EPA. She has a Bachelor of Arts Degree in Communications, Law, Economics and Government from The American University in Washington, DC. Carolyn grew up in the suburbs of New Haven, Connecticut and still returns home to visit family, and to enjoy her favorite New Haven-style pizza and birch beer. Carolyn is married to her high school sweetheart, Jim, and lives with him, and their two teenage sons, Jack and Ryan, in Silver Spring, Maryland.

Huq, Syed. Syed Huq has an M.S. in Geology from South Dakota School of Mines & Tech. He is a registered Environmental Manager, Certified Landfill Inspector, with over 25 years of experience working on groundwater issues and

taught courses on watershed management and emissions inventory. He has several publications and paper presentations on groundwater-Ogallala Aquifer at national, state and tribal conferences-seminars and workshop, and has received Outstanding Achievement Awards from Tribe, Universities, State and National Organizations.

Hurst, Donald. Don is the Cleanup Program Manager for the Environmental Trust Department of Colville Confederated Tribes. He was an environmental consultant from 1984-2004 and the Colville Confederated Tribes Program Manager from 2004-present. Mr. Hurst works and resides on Colville Reservation in north central Washington state. He has a BS and an MS in Geology from the University of Wyoming.

Jacket, Quinton. Quinton Jacket, Tribal Response Program-Brownfields Coordinator, Ute Mountain Ute Tribe, CO Worked in the tribal, Industrial equipment construction, agribusiness and mining industry for over 26 years and has extensive experience in OSHA, MSHA regulations, Instructor Training, and AHERA/NESHAP Asbestos certifications. as Brownfields Coordinator for the Ute Mountain Tribe brings training expertise as an Asbestos Inspector, Contractor/Supervisor, and knowledge in Solid Waste Management, Environmental Enforcement Ethics, ArcGIS 10 and EPA/Safety, SHEMD, SPCC Inspector (oil & gas) and is proficient in Environmental Site Assessments for Commercial Real Estate and currently an instructor for the Asbestos Institute.

Jacobs, Julia. Julia has worked with the Saint Regis Mohawk Tribe's Environment Division as an Outreach Specialist for 7 years and also is the current Brownfields Redevelopment Specialist. She is a retired Teacher/Principal of Akwesasne Mohawk Board of Education after 25 years.

Johnson, Audrey L. EPA Region 9. Audrey began working in the Region 9 Water Division, Tribal Water Section in 2005. She works with tribes in Arizona, California and Nevada on their CWA 106, CWA 319, Wetlands Development Grants and manages tribal drinking water and wastewater infrastructure projects in the US-Mexico Border Region. In addition, she is the Tribal NPS Coordinator and the lead contact for tribal data management and assessment in Region 9.

Johnson, Daugherty. Daugherty currently serves as the Environmental Services Manager for the Little Traverse Bay Bands of Odawa Indians, and is a Citizen of the Tribe. Mr. Johnson graduated from Michigan State University with a B.S. in Agriculture and Natural Resources. He worked in the wastewater and water world for 25 years and served on the Little Traverse Bay Bands Natural Resources Commission for 13 years. The Commission's responsibilities included developing regulatory and policy positions related to hunting and fishing rights as well as environmental oversight.

Jones, Luke. Luke is a Senior Advisor to EPA's tribal program and leads the "Tribal Capacity Devel-



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opment Team" for EPA's American Indian Environmental Office (AIEO). His work includes administering the Indian Environmental General Assistance Program (GAP) - the single largest source of EPA funding for tribal environmental programs. Prior to his current position, Luke served as Director for the EPA Region 5 Indian Environmental Office (Chicago, IL). Before joining EPA in 1999, Luke worked for the U.S. Department of Defense Native American Lands Environmental Mitigation Program (Washington, DC; 1997-1999), the National Tribal Environmental Council (Albuquerque, NM; 1996-1997), and the U.S. Department of Energy's Office of Environmental Management tribal programs (1991-1995). Luke received a Bachelor of Arts in Political Science from Rutgers University (1991) and a Masters of Public Administration from Indian University's School of Public and Environmental Affairs (1996).

Judd, Shannon. Shannon has served as the Environmental Education Outreach Coordinator (EEOC) for the Fond du Lac Band of Lake Superior Chippewa for the past nine years. As EEOC, she conducts community outreach activities on natural resources, climate change, recycling, waste reduction, proper solid waste management, renewable energy and other environmental issues.

Junker, Mark. Mark Junker has been working for the Sac and Fox Nation for two years as the 128(a) coordinator.

Jurkowski, Julie. Julie joined ITEP in 2014 and works as a Program Coordinator Senior on both the Tribal Waste and Response Assistance Program (TWRAP) and Tribal Solid Waste Education and Assistance Program (TSWEAP). Her previous jobs have included working on a jaguar study along the Mexican-US border, green building consulting, coordinating conferences on sustainability, energy policy and renewable energy credits research, and as a backpacking guide.

Kent, Tim. Tim Kent has been the Environmental Director for the Quapaw Tribe since 2004. He is a registered geologist in Kansas and Missouri. Previous to his position at the Tribe, he was a consulting engineering geologist for engineering consulting firms in Kansas and Missouri. He has been managing geological and environmental projects since 1982.

King, Toshia. Toshia has over two decades of experience in RCRA public participation and environmental justice as an environmental specialist, trainer, and advocate. She currently serves as the Environmental Justice Coordinator for the RCRA program. As an Environmental Justice Coordinator, Toshia primarily focuses on community concerns at RCRA sites, particularly those living in environmentally overburdened areas. In this role she works with the RCRA program, Regions, and external stakeholders to help elevate EJ issues, as well as integrate and strengthen EPA's EJ initiatives within the RCRA Program.

Kremer, Fran. (kremer.fran@epa.gov) Senior Science Advisor, US EPA Office of Research and Development. Dr. Fran Kremer is presently jointly serving as the Senior Science Advisor in the National Risk Management Research Laboratory, Office of Research and Development (ORD) addressing water resources. In ORD, she is working to incorporate a GIS-based approach with modeling to better identify sources of contamination and the potential for existing and future water resource impacts. Additionally, she is focusing on Next Generation advanced water monitoring. She has previously served in various roles in ORD including the Associate Director of the Sustainable and Healthy Communities Research Program and Assistant Laboratory Director, developing research to address contaminated sites and impacted water and land resources. She has formed and led internal and external research groups and developed public/private partnerships, nationally and internationally, to advance research in implementing technologies and solutions, in support of the Agency's Program Offices and Regions and State agencies. Fran received her BS in Chemistry from Indiana University and her PhD in Environmental Engineering from the University of Cincinnati.

Kusnierz, Dan. Dan is the manager of the Penobscot Indian Nation's Water Resources Program since January 1993. In this capacity Dan oversees many water resource related projects conducted by the tribe including a Penobscot watershed-wide water quality monitoring program with the tribes' own analytical lab; monitoring tribal lakes and ponds; studies of contaminant levels in fish, aquatic wildlife, plants, and sediments; water quality studies related to hydro-electric dams, including dam removal; studies of cyanobacteria/algal blooms; assessments of water quality using aquatic invertebrates; and development of Tribal Water Quality Standards for Penobscot Nation waters. The program also participates in many permitting, licensing, and regulatory proceedings that affect the Penobscot Reservation and its aquatic resources. Dan serves as the tribal coordinator for the model water quality monitoring cooperative agreement between Penobscot Nation and ME DEP. Dan has served as the Region I tribal representative to the EPA National Tribal Science Council and the National Tribal Water Council. He serves on numerous committees including the Technical Advisory Committee for Maine's Surface Waters Ambient Toxics Program and the Maine Dioxin Monitoring Program and is a District Supervisor for the Penobscot County Soil and Water Conservation District. He has a B.S. in Wildlife Biology from University of Vermont, and attended graduate school in Wildlife Biology at University of Maine. He lives in Garland, Maine with his wife and two boys. Dan enjoys fishing, hunting, running, coaching basketball, camping, and hiking.

Kutschenreuter, Kathleen. Kathleen is an Environmental Scientist with the U.S. Environmental Protection Agency's (EPA) Office of Water Headquarters in Washington D.C. She has over 20 years of domestic and international experience in



the areas of environmental research, policy, program development and management, and communications. Since joining EPA in 1997, Kathleen has worked within the Office of Sustainable Ecosystems and Communities and the Office of Wetlands, Oceans, and Watersheds to advance local, state, tribal, national, and international environmental protection and restoration efforts. She holds a Master of Environmental Management from Duke University and two Bachelor of Science degrees - Zoology (aquatic ecology) and Natural Resource Management (environmental science/ethics) - from The Ohio State University. Kathleen served in the U.S. Peace Corps in Central America and also with the Ohio Department of Natural Resources prior to joining the EPA. She is a certified diver, an avid photographer, and adores exploring all things outdoors, especially with her curious toddler!

LaBerge, Normand, PhD, PE. Normand serves as the Tribal Engineer for the Passamaquoddy Tribe - Pleasant Point in Perry, Maine.

LeBlanc, John. (jleblanc@redlakenation.org) Red Lake Bank of Chippewa Indians. John LeBlanc has been working for the Red Lake Band of Chippewa Indians Environmental Response Program as the Environmental Response Coordinator since 2010. He is responsible for managing the Tribal Response 128 (a) and Underground Storage Tanks DITCA grants. John is a federally credentialed UST inspector and he conducts compliance assistance visits as well as UST inspections for Red Lake and eight other Minnesota Tribes on behalf of US EPA. John is currently working on the development of UST regulations comparable to the recently approved federal regulations for adoption into Red Lake Nation Tribal Law.

Larrick, Colin. Colin is a Water Quality Specialist and since 2008 he has been leading the Tribes Clean Water Act Section 106 Monitoring and Assessment Program. His work includes implementing the Federally approved and Tribally adopted water quality standards using antidegradation permitting for non-point source projects and working on incorporating ground water criteria into Tribal standards and developing a groundwater protection ordinance. Regulatory and environmental assessments of legacy and active uranium mining and milling impacts to water quality have been a constant focus of work. He has previous experience as a hydrogeologist for a private consulting firm. He graduated from Metropolitan State College in Denver, Colorado with a B.S. in Environmental Science in 2005.

Lentz, Rachel. Rachel is the State and Tribal lead in the Office of Brownfields & Land Revitalization in the EPA Office of Land and Emergency Management. Rachel has worked in brownfields for over a decade. Rachel received her undergraduate degree from the University of Michigan in 2002, and a law degree from American University, Washington College of Law in 2010.

Leopard, Matt. Mr. Leopard is the Director for the Office of Information Collection within the Office of Environmental Information. Matt has worked in federal government for over 30 years, starting his career as an officer in the US Marines Corps, and subsequently working in both state and federal civilian agencies before joining the EPA in 1991. He has served in EPA for more than 25 years, including ten years within the Office of Environmental Information. Matt has experience in the areas of information policy, acquisition, and project management; serving in both staff and management roles within various EPA Offices including the Office of Pollution Prevention and Toxics, the Office of Information Collection, and the Office of Information Analysis and Access. Matt has broad knowledge of EPA's environmental data collection rules, processes and systems, having supported numerous information-related projects involving a wide range of internal and external communities throughout his career. Matt is a graduate of the University of Miami with a Bachelor of Science in Biology, and holds a Master degree in Biology from the State University of New York, Buffalo College.

Leven, Blasé. Blasé works for the Technical Assistance to Brownfields (TAB) Program at Kansas State University and oversaw development and currently oversees maintenance and upgrades to BIT.

Limbrick, Elizabeth. Elizabeth is a Licensed Site Remediation Professional (LSRP) in the State of New Jersey. She has over 20 years of professional experience the development and oversight of environmental assessment, remediation and brownfield redevelopment projects. Ms. Limbrick's experience includes posts at NJDEP as well as private consulting firms. Ms. Limbrick is currently a Project Manager at the New Jersey Institute of Technology, where she is responsible for providing technical assistance to state, regional, and local governments and not-for-profits in EPA Regions 1, 3, and 4 interested in assessing, remediating and redeveloping brownfield sites. She also has experience providing expert testimony to the United States Senate Environmental & Public Works Committee regarding Cleanup Efforts at Federal Facilities.

Lincoln, Audray. (Lincoln.audray@epa.gov) LUST Prevention/LUST Corrective Action Grant Project Officer, US EPA Region 6. Audray Lincoln's background is in Business Administration/Management. She has over 27 years experience with EPA Region 6 as a grant project officer, in the UST program and is a federally-certified UST Inspector for facilities on tribal lands. In addition to the Tribal grants she also manages all grants awarded to the Region 6 States for the LUST Prevention and LUST Corrective Action grants.

Lipson, Gary. Gary has been an On-Scene Coordinator for 28 of his 30 years with the USEPA, Region I. During that



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time, he has conducted dozens of time critical removal actions, and his high profile emergency responses include 9/11 in New York City, Hurricane Katrina in New Orleans, Hurricane Sandy in New York/New Jersey, and the Enbridge Oil Spill in Michigan. Since its inception, Gary has been a member of the NIMS Integration Team, an EPA national work group created in 2004 to assist the EPA with the implementation of the Incident Command System. He is an EPA certified Operations Section Chief and has taught a number of ICS courses to EPA and state personnel.

Lloyd, David is the Director of the Office of Brownfields & Land Revitalization in the EPA Office of Land and Emergency Response. David assumed this position in January of 2006 after holding a variety of positions in the areas of private and Government legal practice, real estate operations and development. David received his undergraduate degree from George Washington University in 1985, and a law degree from Washington and Lee University in 1988.

Longo, Joe. Joe Longo is a Civil Engineer that has led numerous water & wastewater treatment facility planning and design projects.

Lyon, Jeffrey. Mr. Lyon has been utilizing Geographic Information System (GIS) for 17 years working at Santa Clara Pueblo, NM and Los Alamos National Laboratory, NM in the Forestry and Environmental fields. My past experience has afforded me the opportunity to become well-rounded in a variety of capacities. These include managing a variety of Geospatial data relating to environmental and natural resource management, designing, implementing, and monitoring large-scale Geospatial and ecological restoration projects, producing technical reports; interdisciplinary collaboration; collection and analysis of technical data. Since October 2015, Mr. Lyon has been working for ENIPC-OETA under the UST and Information Exchange programs.

Mann, Heather. (mann.heather@epa.gov) UST Tribal Inspector, US EPA Region 6. Heather Mann possesses a BSc in chemistry and law enforcement along with a varied background in environmental, safety, and health as well as in forensic and medical chemistry. Her over five years experience with EPA, Region 6, is as a federally-certified UST Inspector for facilities on tribal lands. She also provides compliance assistance, training, oversight of tank installations and removals, and a variety of presentations at tribal regional and national environmental land forums and conferences.

McInnis, Jean. Ms. McInnis is the Environmental Protection Administrator for the Mohegan Tribe. She has a BS in Envi-

ronmental Horticulture from the College of Agriculture and Natural Resources at UCONN and an MS in Environmental Engineering Technologies from University of New Haven. She has been at the Mohegan Tribe for 10 years. Environmental Protection is part of the Compliance and Regulation Department which includes five departments.

McKeown, AmyJean. AmyJean McKeown is a Brownfields Project Officer for EPA- Region I, New England. She is the Brownfields Tribal Coordinator and the Historic Preservation Coordinator for the program. Ms. McKeown has been employed by the EPA for 25 years and was an On-scene Coordinator in the Emergency Planning and Response Branch for 18 years before switching to the Brownfields Program.

Miguel, Amy. Amy is an Akimel O'Odham of the Salt River Pima-Maricopa Indian Community. She's been serving her community in the environmental field for over eight years who enjoys educating her people with the STEM areas that are applicable and important in sustaining the Salt River community.

Mitchell, Dale. Dale is the Passamaquoddy Pleasant Point Tribal Brownfields Coordinator. He is responsible for managing the Tribes 128(a) Tribal Response Grant as well as the Tribes two 104(k) Community Wide Hazardous Waste Assessment Grants. Mr. Mitchell is committed to managing the natural resources with respect and as part of the Tribes cultural right. Mr. Mitchell was the former Waster Resources Specialist monitoring the coastal waters for Red Tide. He assesses environmental impacts to Tribal lands and wasters to ensure tribal concerns are addressed in permitting and regulatory processes. Mr. Mitchell's invaluable knowledge of the Tribes historical and cultural relationship to the land has benefited the department in developing environmental projects and goals.

Mix, Rudy. Rudy Mix is the Waste Program Manager for the Gila River Indian Community, Department of Environmental Quality. In his 18 years with DEQ, he has conducted a wide variety of waste program activities, including performing hazardous and solid waste inspections, overseeing site clean ups, providing technical assistance to regulated businesses, developing program plans, and developing the GRIC waste ordinance and integrated waste management plan.

Moser, Emily. Emily is a Program Manager at the Council of Development Finance Agencies, in Columbus, Ohio.

Moya, Ruben. Mr. Moya is the newest addition to the US EPA, Region 6, Underground Storage Tank Section (February 2016 – Present). Prior to this position, Mr. Moya was an Environmental Scientist/Remedial Project Manager (RPM) in the Region 6 Superfund Division, Arkansas/Texas Section from



1997-2015. He had the lead responsibility for ensuring the successful completion of cleanup activities at a National Priority List (NPL) site and for guiding said site through each successive phase/step of the USEPA Superfund process. He has evaluated, selected and implemented appropriate remedies at NPL sites; ranging in size from two to 6000 acres and also managing their respective costs; \$2Million+. He managed Superfund activities at 14 NPL sites. Before Mr. Moya began his time with USEPA he was a Commander in the US Coast Guard. He has earned multiple B.A & B.S degree's from TX A&I (Kingsville, TX) and TX A&M (Corpus Christi TX).

Naha, Cynthia. Cynthia Naha is the Environmental Specialist for the Santo Domingo Tribe and has been with the Natural Resources Department for over 2 years. Cynthia has eleven years of experience in working in the Tribal Environmental Field and has a wide variety of background in fields such as: solid waste, waste diversion, water quality monitoring, Non-point Source Management, Climate Change, Emergency Response and Preparedness, Hazardous Waste, Indoor Air Quality, Brownfields, and is a certified Unexploded Ordinance Technician Level I. Cynthia also has several years of grant writing experience and has a passion for working in the Tribal environmental field.

Nelson, Mark. Mark is an Environmental Engineer with over 25 years of water & wastewater planning and management experience and has worked with EPA and tribes to improve the sustainability of tribal utilities.

Neumann, Jane. Jane is the owner of Second Wind Consulting, works with tribes to empower and grow their response capacity. She was EPA's Region 5 Tribal Coordinator for Superfund and Brownfields for 13 years until she retired from EPA in 2014. She was raised in Minnesota and moved to Chicago for college, where she raised her own children.

Nichols, William (Nick). Mr. Nichols has been with EPA Oil Program and Office of Emergency Management since 1996. He is the Tribal and Environmental Justice Coordinator working closely with OSWER and external organization to ensure that OEM fulfills its responsibilities in Indian Country.

Norton, Ken. Ken is the Chair of the National Tribal Water Council, an enrolled member of the Hoopa Valley Tribe, and serves as the Director of the Hoopa Valley Tribal Environmental Protection Agency. Ken has expertise in water quality and the development of water quality standards. He is also a fisheries expert, understanding the water quality needs of healthy salmon and other river life, and experienced in watershed restoration. As TEPA Director, Ken oversees an array of Tribal water programs, as well as other tribal environmental programs (such as superfund, brownfields, air, pesticides, lead and solid waste). Between 2004-09, Ken served as the Vice-Chair of the National Tribal Operations

Committee and as the NTOC Tribal Caucus Lead for Water Issues.

Ohnmeiss, Dale H. Water Quality Specialist for the Ak-Chin Indian Community. Prior experience includes over 27 years within environmental protection, 11 years managing a team for Arizona DEQ, 10 years of experience as wellhead protection specialist for National Rural Water Association, 5 years as CEO for a non-profit technical assistance training organization to help rural water systems meet the requirements of the CWA and SDWA. Over the years Dale has been recognized both nationally and by the state DEQ for environmental leadership, Team Management, and TQM problem solving. Mr. Ohnmeiss is a full-time environmental scientist and part-time actor. Films listed in the IMDB. Kidney transplant recipient in 2013 and still going.

Olsen, John O. President and 100% owner of Cree Industries. Canadian Treaty Indian, from Peguis 1st Nation, Manitoba Canada. Went to school in England. Worked for the Canadian Government in London and West Germany. Became a salesman in the U.K., selling photocopiers. Returned to Canada, to become National Sales Training Manager. Then worked in Newspaper advertising, and manufacturing and selling Red Cedar Log Homes. Started Cree Industries, a biomass business in 1981, manufacturing, extruded, 1 kilo "HeatLogs", from extruded dried clean sawdust.

Ondrechen, Mary Jo. Mary Jo Ondrechen received the Bachelor's degree in Chemistry from Reed College and the Ph.D. degree in Chemistry and Chemical Physics from Northwestern University in Illinois. After postdoctoral research appointments at the University of Chicago and at Tel-Aviv University in Israel, the latter as a NATO Postdoctoral Fellow, she joined the faculty at Northeastern University in Boston, Massachusetts. Currently she is Professor of Chemistry and Chemical Biology. She is the Principal Investigator of the Computational Biology Research Group at Northeastern University. Her research deals with understanding enzyme catalysis, predicting the function of proteins, and the computational aspects of drug discovery. She is President of the Board of Directors of the North American Indian Center of Boston (NAICOB), has recently served on the Board of Advisers of the Interstate Technology and Regulatory Council, and was the 2011-2013 Chair of the Board of Directors of the American Indian Science and Engineering Society (AISES). She is a co-PI on the 2014-2019 project "Lighting the Pathway to Faculty Careers for Natives in STEM," an initiative to provide guidance and support to Native STEM students who want to become faculty members at universities and tribal colleges.



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Pailzote, Cheryl D. Ms. Pailzote has worked for the White Mountain Apache Tribe since 2003. Her primary work was as a hydrologist working on water rights, water resources monitoring, and grant administration. She is presently the Project Manager for the Rural Water System project, which includes the development of a dam, surface water treatment plant, and 50-mile distribution system. Her other work with the Water Resources program includes managing the hydrology section, watershed management, water quality, agriculture, water rights, and utility.

Pairis, Amber. Dr. Amber Pairis is the Director of the Climate Science Alliance-South Coast covering southern California and Baja. Her current work focuses on building a science focused network of leaders, scientists, and managers focused on sharing ecosystem-based resiliency approaches to safeguard our communities and natural resources from climate change.

Paiva, Marc. Marc serves as Tribal Liaison Regional Technical Specialist (Archaeology) for the U.S. Army Corps of Engineers New England District in Concord, MA.

Pashina, Greg. (pashia.greg@epa.gov) Environmental Engineer, US EPA Region 6, Dallas, Texas. Greg Pashia joined EPA in 1990 as an environmental engineer and RCRA enforcement officer in the Region 6 Hazardous Waste Enforcement Branch. Greg is currently working in the UST Program as an inspector, corrective action contact, tribal relations coordinator, and program contact for the UST/LUST program in the State of Oklahoma. Greg received his B.S. in Social Psychology from Southwest Missouri State University in 1972. In 1982 Greg completed his B.S. in Geological Engineering from the University of Missouri- Rolla and worked as a development, engineering geologist in the West Texas oil business. Subsequent to his work in the oil business, Greg attended Texas Tech University and Oklahoma State University in 1988 and 1989 where he completed graduate studies in water resources engineering and ground water hydrology. He graduated in 1989 from Texas Tech University.

Pauquette, Carey. Carey is the Environmental Manager for the Saginaw Chippewa Indian Tribe of Michigan (SCIT). Previously, Carey worked as the Water Quality Specialist for SCIT for nearly 8 years, with prior experience in the watershed with partnering agencies. Carey has a diverse background including work with nonprofit organizations addressing public outreach and education, solid waste issues, forestry, agricultural best management practices, and more. Establishing partnerships and effective solutions through environmental pro-

grams drives Carey's ambition and enthusiasm for her work with the Tribe.

Perlman, Gary. Captain Gary Perlman is an Environmental Health Officer with the U.S. Public Health Service currently working at ATSDR in Boston. Gary has been working in environmental health for 20 years. He provided environmental health support during the mustard agent incident in New Bedford, MA, and to residents of LA during the public health response shortly after Hurricane Katrina made landfall, focusing on the Murphy oil spill. He also has provided environmental health support on several occasions for large toxic fires or explosions. He provided the same support to the Group of 8 Summit in GA, the Democratic and Republican National Conventions, the Flint, MI water crisis, and several other National Special Security Events. He is currently working with the Penobscot Indian Nation to assess contaminant levels in food items in their traditional diet. He has assisted with developing several public health software tools to help first responders and other personnel assess chemical contamination throughout the United States, Canada, France, and Romania. Gary shared these software tools with Tribal attendees at the National Tribal Science Council, and the Yukon River Inter-Tribal Watershed. He incorporated some of their suggestions to enhance the tools. Gary is also an EMT-B, a licensed amateur radio operator, and a Registered Sanitarian (M.A.).

Poolaw, Kellie J. Ms. Poolaw is a Citizen of the Pawnee Nation and serves as the Public Information Coordinator for the Caddo County (OK) Local Emergency Planning Committee & as Emergency Planner for Caddo County Emergency Management.

Poore, Christine. Christine Poore is an Environmental Scientist in EPA's Office of Superfund Remediation and Technology Innovation (OSRTI). She has been with OSRTI for nine years and has worked primarily in the Site Assessment and Remedy Decision Branch reviewing site decision documents including Records of Decision (ROD), ROD Amendments, and Explanations of Significant Difference (ESD). Christine also serves as a Superfund tribal coordinator. Prior to joining the EPA, Christine conducted Air Quality Analyses in the DC metro region, and site operations and maintenance at Superfund sites in Southern California. Christine earned an M.S. in Environmental Science and Policy from Johns Hopkins University and a B.S. in Environmental Science and Policy from the University of Maryland.

Prohaska, John. Mr. Prohaska works for the Bad River Band of Lake Superior Tribe of Chippewa Indians as an Environ-



mental Compliance Specialist in the Environmental Response Program. He provides assistance to the Tribe to develop and enforce tribal laws relating to hazardous substance handling, disposal and emergency response. Mr. Prohaska has 22 years of experience in environmental protection and compliance, including three years with the Bad River Band and 19 years with the Wisconsin Department of Natural Resources. He has held numerous roles in environmental protection including Water Basin Team Leadership, Hazardous Waste Inspection, Environmental Response and Groundwater Project Management. He has a Bachelor of Science in Environmental Science from Northland College. Mr. Prohaska is proud to protect the natural resources on Reservation that community members value for a high quality of life.

Puhuyesva, Lionel. Director Hopi Water Resources Program. Lionel has been the Director of Hopi Water Resources Program for over 6 years now, prior work with other tribal nations includes Ak-Chin Indian Community as Water Quality Specialist and Salt River-Pima Indian Community as Water Quality Specialist. Education: Arizona State University with Justice Studies as a major and Native American Justice Studies as a minor.

Quinlan, Richard J. Richard Quinlan has been with FEMA Region I since August of 1987. He possesses comprehensive knowledge of coordinating requirements and organizational relationships between Federal, State, local, Tribal, and private industry gained through his State Liaison Officer duties for the State of Vermont, a role he has fulfilled for the past twenty six years. Rich has been involved in over thirty five Presidential Disaster Declarations in his career. Rich currently works in the National Preparedness Division within the Regional Integration Branch and is responsible for all FEMA Region I External Training and Exercise programs. In his role as State Liaison Officer, Rich is responsible for implementing the National Response Framework and the Stafford Act for FEMA programs and policies which require full knowledge of the Public Assistance, Individual Assistance, and Mitigation programs. He works directly with State Emergency Operations staff and local officials in conducting and coordinating Preliminary Damage Assessments for the State and local officials. The position requires Rich to write, review, and issue daily Situation and Incident reports that go directly to the Regional Resource and Coordination Center (RRCC) Director for action. He reviews all requests for Federal Assistance that the Governor and or State Director may request of FEMA, as well as coordinates with the subject State Emergency Management Director and Governor's Office on any request that goes to the Regional Office for a Presidential Disaster

Declaration and reviews the State request to make sure it meets FEMA policy and procedure guidelines for submission to the President. In addition, Rich, as State Liaison Officer, works with all Federal Emergency Support Function Groups (ESFs) and State Emergency Support Function Groups at the State and local level to implement FEMA programs and policies in a disaster environment. Rich holds a BA in English Communications and Public Relations from the Massachusetts College of Liberal Arts. A native of Vermont, Rich currently resides in Gloucester, Massachusetts with his son Christopher.

Rash, Jonathan, PE. Jonathan Rash serves as District Engineer for the Nashville Area Indian Health Service in Manlius, NY.

RedDoor, Charles Bearfighter. Charles is the National Tribal Programs Coordinator for the Federal, State and Tribal Programs Branch, Permits and State Programs Division, EPA's Office of Resource Conservation and Recovery. He serves as a member of the Office of Resource Conservation and Recovery Tribal Team, works on solid and hazardous waste policy and guidance, and coordinates tribal solid waste activities, grants projects, and program measurement data with other federal agencies. Charles is an enrolled member of the Hunkpapa Lakota Sioux Nation.

Reed, Angie. Angie is the Water Resource Planner for the Penobscot Indian Nation. Angie has worked for Indian Nations in some capacity since finishing her MS in 1998, starting with serving as the Water Resources Specialist for the Houlton Band of Maliseet Indians in northern Maine. Angie helped Penobscot Indian Nation (PIN) receive their first Exchange Network grant in 2007 and has used two subsequent grants to continue building internal capacity for collecting, managing and sharing their water quality data. The PIN Water Resources Program is now managing all of their data electronically: from field data collection on smartphones that are used to populate lab data entry forms all the way through an internal database structure that is mapped to WQX and exchanged with EPA via a PIN node. Current efforts are focused on incorporating biological data into the internal database and making all data available to PIN leaders and citizens in a clear and easily-accessible fashion. Angie joined the TGG efforts shortly after PIN received their first EN grant and served on the Network Partnership and Resources Group under the initial governance structure. Water quality issues on the Penobscot River and the necessary attention they require have demanded much of her attention over the past few years. However, because she believes that the work of



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TGG is critical to the participation of Indian Nations in environmental protection, she continues to be committed to this effort.

Reeves, Linda. Linda Reeves works for the USEPA as a remedial project manager.

Richardson, Matthew. Mr. Richardson is employed by the US EPA in the Office of Water. He is the primary point person for tribal wastewater infrastructure and works with two grant programs that build water & wastewater infrastructure for tribes and Alaskan Native Villages. He formerly helped to initiate EPA's successful Watersense program prior to which he worked at an environmental consulting firm. He holds a Master of Science degree from the University of North Carolina, Chapel Hill, School of Public Health and a chemistry degree from St. Michael's College.

Richardson, Robin. Ms. Richardson is the Deputy Director for the Office of Superfund Remediation and Technology Innovation, which manages the national Superfund Remedial Program. Robin has more than twenty years' experience working in the Superfund program. She started her Superfund career in 1987 as a consultant to the Superfund Response program providing information technology, and program and resource management support. Robin joined EPA's Office of Solid Waste and Emergency Response (OSWER), Office of Emergency and Remedial Response in 1989 as an analyst working closely with the regions in implementing the Superfund program. Since then Robin has held many positions, both public and private sector, supporting the Superfund program. In January 2010, Robin became the Director of the Superfund Remedial Program's Resources Management Division responsible for managing the Superfund Remedial budget, information technology and acquisition functions. She has a degree in International Studies from Grinnell College, Grinnell, Iowa, and has completed graduate work in Public Administration at the George Washington University.

Rodriguez, Reuben. Reuben is the Solid Waste Program Assistant at the La Jolla Band of Luiseño Indians. He has been working with the Tribe over 10 years for non-point source, roads, and solid waste programs.

Rosen, Barry. Barry was born and grew up in rural Connecticut and earned his Bachelors of Science in Botany from University of Connecticut and received a Ph. D. in biology from the Bowling Green State University. He has worked in the field of algae more than 40 years, with emphasis on understanding harmful algal blooms. He has worked for the U.S. Geological Survey's Southeastern Region since 2006 and is the SE Regional Tribal Liaison.

Roy, Rob. Rob is the Environmental Director for the La Jolla Band of Luiseno Indians and has been employed by the Tribe for over 14 years. He is responsible for the Environmental Protection Office which employs a staff of seven people working on clean water, air quality, solid waste, wastewater, natural resources, and other critical environmental and human health issues. Rob received the EPA Environmental Achievement Award in 2008 for his work with solid waste management including recycling, reducing illegal dumping, hazardous and electronic waste recycling, tire cleanup, and disaster recovery. He works hard to foster collaboration between groups to achieve common goals and increase the scope and impact of projects. He also serves as a member of the TWRAP steering committee, as an RTOC rep and RTOC Solid Waste Workgroup lead, and as team co-lead on the Interagency Infrastructure Task Force Solid Waste Workgroup. Rob has a passion for the natural world and goes traveling, hiking and backpacking whenever he can.

Ruesch, Paul. Federal On-Scene Coordinator, Superfund Division, United States Environmental Protection Agency, Region 5. Paul is a Federal On-Scene Coordinator in the Superfund emergency response program, which serves the Great Lakes Region. He served as incident commander at the Tiskilwa ethanol derailment in 2011 and Galena crude oil unit train derailment in Galena last year. Paul has been working at EPA since 1991. He took a break from EPA from 2004-2007 to serve as a Peace Corps volunteer in Mexico, working for the Mexican government on remediation projects & emergency response training & planning within the state-run oil refinery system PEMEX. He actively assists US AID on enhancement of waste management in Central America and the Caribbean in accordance with international trade agreements NAFTA & CAFTA.

Moya, Ruben. Mr. Moya is the newest addition to the US EPA, Region 6, Underground Storage Tank Section (February 2016 – Present). Prior to this position, Mr. Moya was an Environmental Scientist/Remedial Project Manager (RPM) in the Region 6 Superfund Division, Arkansas/Texas Section from 1997-2015. He had the lead responsibility for ensuring the successful completion of cleanup activities at a National Priority List (NPL) site and for guiding said site through each successive phase/step of the US EPA Superfund process. He has evaluated, selected and implemented appropriate remedies at NPL sites; ranging in size from two to 6000 acres and also managing their respective costs; \$2Million+. He managed Superfund activities at Fourteen NPL sites. Before Mr. Moya began his time with USEPA he was a Commander in the US Coast Guard. He has earned multiple B.A & B.S degree's from TX A&I (Kingsville, TX) and TX A&M (Corpus Christi TX).

Ruge, Zoe. Zoe is an ORISE research participant with the U.S. EPA Standards and Health Protection Division in the Office of Science and Technology, Office of Water. She is the tribal coordinator for the Office of Science and Technology



and a member of the workgroup for the Tribal Baseline Water Quality Standards effort.

Russell, Sam. Sam is the Tribal Drinking Water Coordinator with the Environmental Protection Agency, Office of Ground Water and Drinking Water. He is a licensed engineer with the State of Arizona, holds undergraduate and graduate degrees in civil engineering, as well as a masters of public health degree from The Johns Hopkins University. He completed his Peace Corps service in Cote d'Ivoire followed by eight years with the Navajo Area Indian Health Service providing water and sewer service to Tribal members in Kayenta, AZ. Prior to EPA, he spent two years with the National Park Service in Transportation Safety.

Sabatino, Leonard. Leonard is originally from Philadelphia, Pennsylvania and received a bachelor's of science degree in the field of geo-environmental studies in 2001 from Shippensburg, Pennsylvania. In 2002, Leonard received certification in permaculture design from La'akea farms on the Big Island of Hawaii. From 2003 through 2011, Leonard worked at the Los Alamos National Laboratory in the fields of geology, environmental science, and geomorphology. Since June of 2012, Leonard has been working for Eight Northern Indian Pueblos Council on the UST Program for 21 NM pueblos and tribes encompassing 46 UST facilities. Leonard is currently a certified Steel Tank Institute UST Cathodic Protection Tester.

Salyer, Kathleen. Kathleen is the Deputy Director of the Office of Resource Conservation and Recovery at US EPA, a position she has held since January 2015. The Office is responsible for promoting resource conservation through sustainable materials management, ensuring safe management of solid and hazardous waste and cleaning up environmental contamination at hazardous waste management facilities. As a part of this mission, the Office administers the Hazardous Waste Management Grant Program for Tribes and the Tribal Waste Management Capacity Building Training Grant. Prior to her current position Kathleen was an Assistant Director of the Superfund Program in US EPA Region 9 in San Francisco, CA. She has over 18 years' experience cleaning up contaminated sites. Kathleen has a BA in Geology from Whitman College and a Masters' in Environmental Public Policy from University of Maryland, College Park.

Sanscrainte, Jennifer. Jennifer Sanscrainte, Short Cressman & Burgess PLLC, concentrates her practice on environmental, Native American and water law issues. She represents clients in complex multi-party environmental litigation and private allocation processes, involving cost recovery and contribution actions, natural resource damage claims, and environmental insurance claims. Jennifer advises Tribal clients and businesses on matters related to water rights, storm water and water quality.

Schmandt Ferguson, Kelly. Kelly is the Environmental Director for the Santa Ynez Chumash Environmental Office. As Director, she oversees the Tribe's natural resource programs including water quality, land restoration, energy and building performance, green job training, sustainable landscaping, waste management, and environmental planning. Kelly is happy to assist other organizations and tribe's advance their waste management and zero waste efforts and encourage those with questions to contact her at 805-245-6294 or kferguson@santaynezchumash.org.

Schuldt, Nancy. Nancy has served as the Fond du Lac Band of Lake Superior Chippewa's Water Projects Coordinator since 1997. She developed the Band's water quality standards and long-term monitoring program, and is finalizing numeric nutrient criteria for lakes and biological criteria for streams on the reservation, located in northeastern Minnesota. She has directed research into fish contaminants and sediment chemistry to characterize mercury impacts to Fond du Lac Band members, collaborated on research into wild rice ecology and toxicity, as well as watershed hydrologic modeling to inform management and restoration efforts. She participates in numerous local, regional, and binational working groups to ensure the tribal perspective is represented, and initiated a co-operative wastewater management project with the non-tribal community to service a heavily developed lake on the Reservation. She initiated the tribe's nonpoint source management program, and leads the Band's environmental review of mining and energy industry impacts to treaty-protected resources. Nancy has a degree in Biology from the University of Dayton, and a Master's Degree in Aquatic Ecology from the University of Kansas.

Shannon, Anahma. Anahma Shannon has been the Nome-based Kawerak Backhaul Program coordinator for the past six years. Kawerak is dedicated to serving the 20 federally recognized tribes in the Bering Strait Region. Its Backhaul Program works at providing technical assistance and helping to build capacity within the region's twenty IGAP programs, namely in solid waste management but also in other environmental areas, as well. Anahma and her family live in a cabin outside of Nome and enjoy hunting, gardening, fishing, camping, and flying around the region.

Shapiro, Michael H. Mr. Shapiro joined the Office of Water as the Deputy Assistant Administrator in November 2002. Prior to that, he was the Principal Deputy Assistant Administrator for the Office of Solid Waste and Emergency Response (OSWER). Mr. Shapiro has also served as Director of the Office of Solid Waste, and Deputy Assistant Administrator for the Office of Air and Radiation, where he directed implementation of the 1990 Clean Air Act Amendments. From 1980 to 1989, Mr. Shapiro held a variety of positions in the Office of Pesticides and Toxic Substances, where one of his responsibilities was developing EPA's Toxic Release Inven-



Speaker Bios

tory. Mr. Shapiro has a B.S. in Mechanical Engineering from Lehigh and a Ph.D. in Environmental Engineering from Harvard. He has also taught in the public policy program at the John F. Kennedy School of Government.

Shumway, Laura. Laura is a biologist in the Office of Water for the USEPA and is the USEPA HQ WQX training lead.

Simmons, Joshua. Mr. Simmons a consultant and attorney who founded Prosper Sustainably in May 2014 to assist tribal communities in the development and implementation of lasting solutions to meet environmental and sustainability needs. Josh has been conducting trainings and assisting tribes on the following types of projects: 1) preparing an EPA-Tribal Environmental Plans (ETEPs), 2) preparing Integrated Waste Management Plans (IWMPs), 3) grant writing, 4) solar project planning, 5) drafting Tribal Environmental Codes, and 6) strategic planning. Josh also instructs environmental code development, IWMP, ETEP, and grant writing trainings for tribal professionals. Prior to starting Prosper, Josh served as Environmental Director for the Santa Ynez Band of Chumash Indians. Under Josh's oversight from 2007 to 2014 the Santa Ynez Chumash Environmental Office (SYCEO) grew from 1 to 15+ employees, 2 to 20+ programs, and \$100,000 to \$1,000,000 in annual revenue. During that time the Santa Ynez Chumash also became a nationwide leader in sustainability and environmental stewardship. Josh is originally from Connecticut and his environmental career began as an intern with the Mohegan Tribe's Environmental Office in 1999.

Smart, Allison. Allison Smart is the Environmental Coordinator for the Little River Band of Ottawa Indians. She has a bachelor's degree in biology and anthropology from Albion College and a master's degree in conservation biology from Central Michigan University. She started working with wild rice in 2010 as a graduate student studying the habitat parameters in Michigan. She started as an aquatic biologist in 2012 with the Little River Band of Ottawa Indians, where she continued her work and research on wild rice growing LRBOI's mannomin program.

Smith, David. Dave Smith is with EPA's Office of Environmental Information, managing EPA's Facility Registry Service, which integrates data on 4 million places of interest from almost 90 different data systems. Mr. Smith is a geospatial technologist with over 20 years of experience in working with geographic information, as well as being a licensed civil engineer and professional land surveyor.

Smith, Robert. Robert Smith, TRP-Brownfields Coordinator, Cheyenne River Sioux Tribe, SD Has been working for the CRST Environmental Protection Dept. for 14 years. Started out as a tech/GPS personnel, then became the Brownfields Coordinator in 2006. During this time I have assessed a lot of the Tribal property, including many home sites, using the US-EPA Targeted Brownfield Assessment (TBA) process and has

been an oversight officer on a number of abatement/demolition projects on the Cheyenne River Sioux Tribal Reservation. We also have had two Brownfield clean ups and multiple EPA emergency Response Actions.

Snowden, Kami. Kami is the Executive Director of the Tribal Solid Waste Advisory Network (TSWAN) has over 25 years of experience working in the environmental field, the last 15+ years directly for the TSWAN organization. Her experience includes technical aspects with operating and managing waste systems, providing education and outreach, developing programs and special projects, and grants management. Prior to working for the TSWAN organization Ms. Snowden was the director of the solid waste department in a rural county of Washington State overseeing environmental programs, landfill operations, and the construction and operation of transfer stations. During her current tenure with TSWAN, Ms. Snowden has developed many programs specific to tribes on a national basis, including construction of a Tribal Integrated Waste Management Plan Template (and ancillary documents such as worker safety & health); unprecedented education and certification in Methamphetamine (and other clandestine) Lab recognition for tribal workers; Strategic Plans for Environmental Sustainability for Tribes (template); Various training venues for tribal environmental workers, et.al.

Snyder, Jessica. Ms. Snyder started as the Tribal Program Coordinator for EPA's Office of Land and Emergency Management in September 2015. Prior to joining OLEM, Jessica worked in EPA's Office of the Chief Financial Officer where she served as the OCFO's Tribal Program Coordinator and Tribal Consultation Advisor, as well as the performance analyst for the Office of International and Tribal Affairs. Jessica began her career at EPA in 2006 as a member of EPA's Environmental Internship Program where she worked in OCFO's Office of Financial Services, Office of Congressional and Intergovernmental Affairs, EPA Region 9's Air Division, and the Office of Management and Budget. Prior to her work at EPA headquarters, Jessica interned at EPA's Region 2 Environmental Finance Center at Syracuse University. Jessica holds a Master's Degree in Public Administration from the Maxwell School at Syracuse University and Bachelor of Arts Degree in Sociology and Political Science from Villanova University.

Soscia, Mary Lou. Mary Lou is the Columbia River Coordinator for the U.S. EPA Region 10 Office of Water and Watersheds. Mary Lou leads the Columbia River Toxics Reduction Strategy, the Columbia River Toxics Reduction Working Group, and the implementation of the 2010 Columbia River Basin Toxics Reduction Action Plan. She also led the collaboration for the Oregon Water Quality Standards human health criteria. Since 2013, Mary Lou has led the collaboration with Idaho Tribal Governments to address Idaho human health criteria revisions and develop the ID Tribal Fish Consumption Survey. Mary Lou is also the EPA workgroup manager for the Tribal Baseline Water Quality Standards work effort to



promulgate federal water quality standards for tribal reservations without EPA approved standards.

Stalcup, Dana. Dana has served as the Director of EPA's Assessment and Remediation Division (ARD) in the Superfund Program since January 2014, and before that was the Associate Division Director beginning March 2013. Prior to joining ARD, Dana served as Acting Associate Director of EPA's Technology and Innovation and Field Services Division in 2012. Dana joined EPA in 1991, initially working in EPA's Oil Spill Program. After the attacks of 9/11, he joined EPA's Emergency Response and Homeland Security preparedness program, and worked extensively on both the Hurricane Katrina (2005/2006) and Deepwater Horizon BP Gulf Oil Spill (2010) responses. Prior to joining EPA, Dana worked for several years with a government contractor. Dana has a Bachelor of Science in Chemical Engineering from the University of Notre Dame, a Master of Engineering Administration degree from Virginia Tech, and is a Registered Professional Engineer in Virginia. Dana has been happily married to Cindy for 30 years and they have six children (five sons then a daughter) ranging in age from a married college graduate to a 6th grader.

Steere, Bradly. Brad has been involved with utilities for just over 30 years both working for a contractor and has spent the last ten years with Atlantic States Rural Water & Wastewater Association as a Water Quality Specialist and a Water and Wastewater Technical Assistance specialist.

Stover, Michael, PE. Michael Stover currently serves as the Indian Program Manager for EPA Region 1 in Boston, MA.

Suter, Laurie. Ms. Suter's background includes geology, minerals exploration, oil and gas, soils analysis, laboratory administration, Brownfields, and biology. As the Mineral Resources Administrator of the Natural Resources Department for the Tohono O'odham Nation, her duties include monitoring all mining related activities. The Nation is a federally recognized tribe located in southern Arizona consisting of 2.8 million acres of desert terrain with two active mines as well as hundreds of patented, unpatented, legacy, orphaned and abandoned mine sites on the Nation. Ms. Suter has worked for the Nation since 2008.

Thomas, Nicholas. Nick Thomas, Short Cressman & Burgess PLLC, concentrates his practice on environmental matters, including matters arising under the Comprehensive Environmental Response, Compensatory and Liability Act and Washington's Model Toxics Control Act. He regularly handles administrative and civil litigation matters. Nick represents clients in regulatory actions and represents Indian Tribes in environmental and natural resource matters.

Thunderhawk, Brian. Brian is an experienced construction industry foreman, has a Bachelors in Business Administration, and is presently the Executive Director of the Standing Rock Housing Authority.

Tillman, Chuck. Chuck Tillman is the Sr. Director of Operations for the Choctaw Nation Travel Plazas. Choctaw Nation owns and operates 15 Travel Plazas located in the historic tribal boundaries of Southeast Oklahoma. Previous to this position Chuck has served as an Energy Manager for the Choctaw Nation Utility Authority, and a UST Program Monitor for the Choctaw Nation. He has been employed with Choctaw Nation for 12 years. Prior to working for the Choctaw Nation, he was employed with the Oklahoma Department of Environmental Quality as a Sr. Environmental Specialist. Chuck is certified as a CEM, Certified Energy Manager, through the Association of Energy Engineers. He also is a Registered Environmental Specialist/Registered Sanitarian with both the State of Oklahoma and the National Environmental Health Association. Tillman earned a BS in Microbiology from University of Texas at Arlington.

Timms, Doug. Doug has been building IT solutions for tribes for the past 15 years and has been involved in the Exchange Network since its inception. In 2011, he founded Open Environment Software, a company whose primary mission is to create high-quality open source software that can be freely shared among regulatory agencies.

Todd, John. Dr. John Todd is professor Emeritus of University of Vermont, President-Todd Ecological, and recipient of the first 2008 Buckminster Fuller Design Award, among many others.

Tohannie, Roberta. Roberta assists with coordination of ITEP's waste management and response activities under the Tribal Solid Waste Education and Assistance Program and Tribal Waste and Response Assistance Program.

Tong, Dolly. Dolly is the U.S. EPA Region 5 Tribal Solid Waste and Pollution Prevention Coordinator, serving 35 federally recognized tribes in the Great Lakes region on integrated waste management, toxics reduction, and other sustainability issues. Dolly has been in this position since 1995 and with EPA Region 5 since 1989. She has a B.A. in Environmental Studies from Northeastern Illinois University.

Turner, LaDonna. Ms. Turner is the EPA Region 6 Superfund Site Assessment Manager and Superfund Tribal Coordinator. She has been with the Superfund Program and been working with Tribes for over 20 years. She serves as a team member for the Grants Mining District Team since 2008.



Speaker Bios

Unsworth, Robert. Mr. Unsworth, a Principal and Director at Industrial Economics, Incorporated (IEc), is a recognized expert in environmental impacts assessment and natural resource damage assessment. He has over 30 years experience helping clients understand the economic, financial, and cultural impacts of environmental change. His work has been conducted in the context of retrospective assessments of catastrophic events (wildland fire, oil spills, hazardous waste releases), as well as prospective assessments of changes expected to result from programs and policies. He has worked with more than 20 tribes assessing the impacts of oil spills and legacy hazardous substance releases; in assigning prices to easements across tribal lands; and valuing tribal natural resources. He has testified as an expert witness both in litigation and in the context of regulatory proceedings. He published the first paper on Habitat Equivalency and is frequently asked to speak on the state-of-the-art of natural resource damage assessment. Mr. Unsworth holds a B.S. degree in Forestry from the State University of New York, and a Masters of Forest Science from Yale University, where his studies focused on environmental economics. He is based in Cambridge, Massachusetts but has worked throughout the U.S. and in the Caribbean, Europe, and Africa. In addition to serving on the Board at IEc, he is a member of the Board of the Student Conservation Association and the Yale Alumni Service Corps.

Vaughn, BryAnna. BryAnna is the Water Quality Coordinator, Bishop Paiute Tribe. BryAnna has worked for the Tribe's Water Quality Control Program since 2007. The Tribe has had an Exchange Network (EN) grant since 2008. The main focus of the EN projects has been to build the Tribe's capacity to exchange data, both to EPA and data partners, more efficiently and effectively. The Tribe collects continuous air and water data, which amounts to an enormous amount of data requiring intense data management and specialized database tools for data validation, analysis, and organization. These efforts have led to improved data management, improved submissions, better access to and analysis of climate data. Projects have also included extensive database development, both in-house and cloud-based, mainly for our continuous water quality data. Streamlining data collection is also a part of the Tribe's data management goals. Currently the Tribe is doing this through the creation of tablet-based field forms specific to various environmental projects. BryAnna joined the Tribal Governance Group in 2012 to advocate for tribal participation in the Exchange Network. She sits on the EN Interoperability and Operations Team (IOT) and various Integrated Project Teams (IPTs) as needed. In relation to this work, you will often hear her state, "Tribes are not like states, and they are even less like each other."

Walker, Stuart. Mr. Walker has been employed by U.S. EPA in Washington, DC since 1990 working on issues regarding the cleanup of contaminated sites. His primary areas of responsibility include serving as the Superfund remedial program's Superfund remedial program's National Radiation Expert, which includes developing national policy for characterization, cleanup and management of radioactive contamination at CERCLA sites. Stuart was a member of the ITRC Radionuclides team and an instructor on three of their Internet-based training courses. Stuart earned a bachelor's degree in political science and economics from American University and a master's degree in policy analysis and development from George Washington University.

Weaver, Jim. (weaver.jim@epa.gov) US EPA Office of Research and Development. Dr. Jim Weaver has worked for the U.S. Environmental Protection Agency's Office of Research and Development for over 25 years, both at the Ecosystems Research Division in Athens, Georgia and the Ground Water Research Center in Ada, Oklahoma. His work focuses on the application of contaminant fate and transport process modeling to environmental cleanup and assessment. He is the developer of the Hydrocarbon Spill Screening Model, The ERO3S oil spill model, the EPA OnSite on-line calculators, and the upcoming PVI-Screen model for assessing petroleum vapor intrusion. He received a B.S. in Forest Engineering from the State University of New York College of Environmental Science and Forestry and M.S. and Ph.D. degrees in Civil Engineering from The University of Texas at Austin.

Williams, Scott. Scott is the Senior Technical Assistance Specialist for United South and Eastern Tribes Inc. He is charged with providing Training and Technical Assistance to Tribal Utility Staff. Scott has a Bachelor's Degree in Environmental Science with emphasis in Ecology. He has 28 years working in the Water and Wastewater field. He has a New York Grade IA Filtration Plant Water System Operator's License and a Tennessee Grade IV Water Treatment Plant Operator's License. He has worked in both Water and Wastewater facilities as operator and manager. His love for the outdoors has kept him in the Environmental field. He is an avid sportsman and gardener. He prides himself is teaching old school technology in this fast paced world.



Wilson, Steve. Steve is a groundwater hydrologist who has been at the Illinois State Water Survey since 1983. He authored The Private Well Class, an online self-paced curriculum for private well owners and those that work with them. His applied research has been related to assessing aquifer characteristics, arsenic in groundwater, private wells, and support for small water and wastewater systems. Steve has a M. S. in Civil Engineering from the University of Illinois at Urbana-Champaign.

Witkin, Steve. Steve is EPA's project officer for the TRI Explorer, TRI.NET, and TRI Analyzer data access tools. Steve has been with the EPA for 19 years, most of the time working with TRI data. Prior to his federal career, he had a short stint with Maryland state government and spent more than 15 years in private industry as a mechanical and test engineer. His involvement with the TRI program began in 1987 as part of the regulated community. Steve is often called upon to assist reporters and researchers in navigating through the TRI data.

National Tribal Mining Workgroup: Upcoming Training Opportunity

The Mining Lifecycle: Tribal Engagement and Environmental Responsibility Training

As a follow-up to the Mining and National Environmental Policy Act (NEPA) 101 Training, the Nez-Perce Tribe in conjunction with National Tribal Mining Workgroup (NTMW), the U.S. EPA and various environmental and mining experts will host "The Mining Lifecycle: Tribal Engagement and Environmental Responsibility" Training in Phoenix-Gilbert, AZ on November 2-3, 2016 with a Mine Tour on November 4, 2016. This training will be even bigger, with more attendees, presentation content, federal and private collaboration, more presenters, luncheons, a mine tour and evening events. Mark your calendars for this important event!

Training Venue: DoubleTree by Hilton Phoenix-Gilbert, 1800 S SanTan Village Parkway, Gilbert, AZ 85295

Registration and Cost: No registration fee is associated with this event, however seats are limited to 100 participants. Participation and attendance to The Mining Lifecycle Training is intended for Tribal Affiliates only due to limited space. As we get closer to the training date and have the availability we may open registrations up to the private sector. Please contact us with any questions you may have about participating in this event.

For more information and to register please go to www.ntmw.org/mining-lifecycle-201-training.html

NOTES:

Online Training for Tribal Environmental Professionals

Since 1992 ITEP has been assisting tribes develop their own capacity in effectively and efficiently managing their environmental programs through a variety of training courses, technical assistance, and national conferences, such as the Tribal Lands and Environment Forum.

We are very pleased to offer a new opportunity for tribal professionals to learn new skills and advance their knowledge through a series of self-paced online trainings. These online courses cover a variety of environmental media and allow you to pursue continuing education units (CEUs).

Some of the benefits of these online courses include: returning to work on current courses where you left off, connecting with other environmental tribal professionals through discussion forums, and accessing resources, videos, and certificates from previously completed courses. These online courses contain assignments, activities, quizzes, videos, tribal examples, discussion forms, and additional resources. While they are self-paced, each course provides the opportunity for individual interaction with subject matter experts.

To access current courses you can set up a free account by visiting itep.scholarlms.com/courses/login/index.php. You can also visit the main page at itep.scholarlms.com/catalog/ to view our current course offerings.

For more information, contact Jennifer Williams at jennifer.williams@nau.edu.

Onsite Mentoring Opportunities for Tribal Solid Waste Professionals

While in-person and online trainings can be invaluable in helping you develop new skills and learn new techniques, sometimes what you need is to just spend some time with a colleague, one-on-one, and focus on your specific challenges.

As part of ITEP's Tribal Solid Waste Education and Assistance Program (TSWEAP), we have been pairing tribal solid waste professionals with experts who have faced, and overcome, challenges in waste management and diversion. Often these mentor matches can be conducted through phone calls or emails, but sometimes it is more helpful to actually visit a mentoring tribe, or have an expert come visit your tribal facilities—allowing both participants to learn from one another and problem solve together. Tribal solid waste professionals can apply to ITEP and request one of these onsite mentoring opportunities. If the application is accepted, ITEP staff will find a mentor for you, conduct a conference call where you can meet the mentor and discuss your challenges in more detail, and then arrange to visit them, or have them come to your community. Under this project, ITEP will reimburse all the travel expenses for the individual traveling as part of the mentoring project.

To learn more about this project, please visit our website at: nau.edu/itep/main/Waste/waste_mentors. You can also contact either Todd Barnell (todd.barnell@nau.edu) or Julie Jurkowski (julie.jurkowski@nau.edu) to obtain an application or learn more about the program.

Comprehensive Environmental & Sustainability Consulting & Legal Services

**Program Design • Drafting Codes • Grant Writing
ETEPs • Strategic Planning • Resource Management Plans
Feasibility Studies • Project Management • Training**

Prosper Sustainably has assisted over a hundred tribes and other organizations through consulting and training activities. In our work with clients, we always seek to build capacity, increase self-sufficiency, and develop lasting solutions.

As the founder of Prosper Sustainably my journey has come full circle with a return to the Mohegan Reservation for the Tribal Lands and Environment Forum. My career as a tribal environmental professional began in 1999 as a high school intern working for Mohegan's Environmental Administrator. That experience guided my educational and career path, which included growing the Santa Ynez Chumash Environmental Office from 1 to 15 employees, \$100k to \$1 million in annual funding, and 2 to 20+ programs.

Since 2014 Prosper Sustainably has been helping tribes across the nation to successfully build and grow environmental, sustainability, and other programs. Please connect with us to learn more, sign up for our email list, or schedule a free initial consultation.

Sincerely,
Joshua M. Simmons
Principal Consultant / Attorney



prospersustainably.com | (805) 694-8089 | info@prospersustainably.com



TRC is a leader in providing consultation services to Native American and other descendent communities. Over the past three decades, TRC has provided such consultation services regarding environmental issues, sacred sites, TCPs and areas of concern for literally hundreds of projects for, and with, Native American entities.

TRC's experts have extensive experience in environmental assessment/impact studies; Brownfields contaminated site grant writing/assessment/remediation; water resource assessment/development; wetlands assessment/mitigation; permitting and compliance associated with wastewater, stormwater, air, solid and hazardous waste, and petroleum storage tanks; asbestos, mold and lead based paint assessment/abatement; sustainability/energy efficiency/renewable energy assessments; and community outreach.

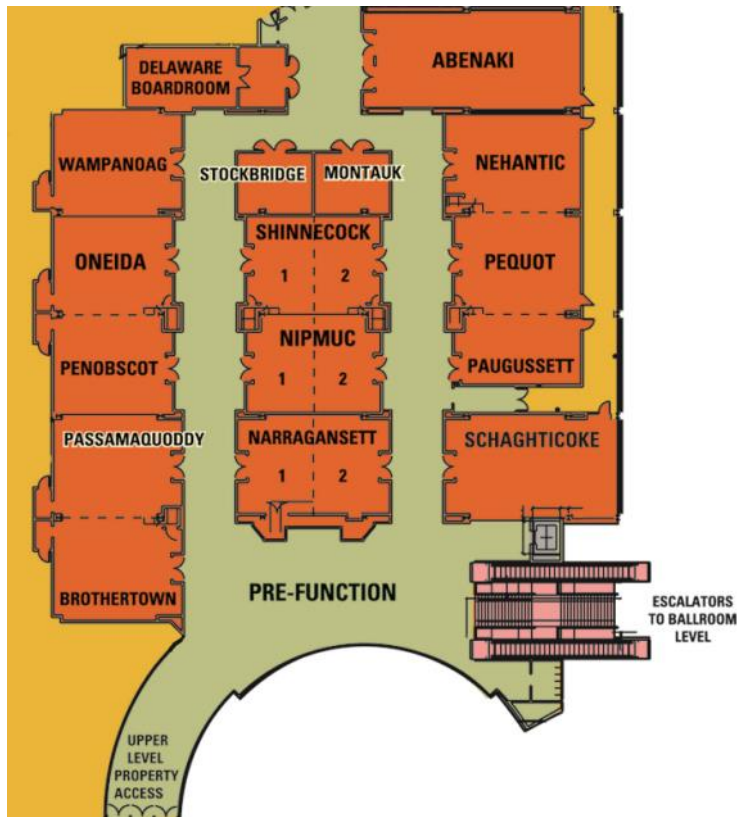
TRC is over 4,100 technical professionals and support personnel at more than 120 offices throughout the U.S. Our clients depend on TRC's multidisciplinary teams to design solutions to their toughest challenges in the energy, environmental and infrastructure arenas.

Please contact Jim Peronto, P.E. at (860)298-6233 or Howard Higgins at (505)761-0099 or visit www.trcsolutions.com for more information.

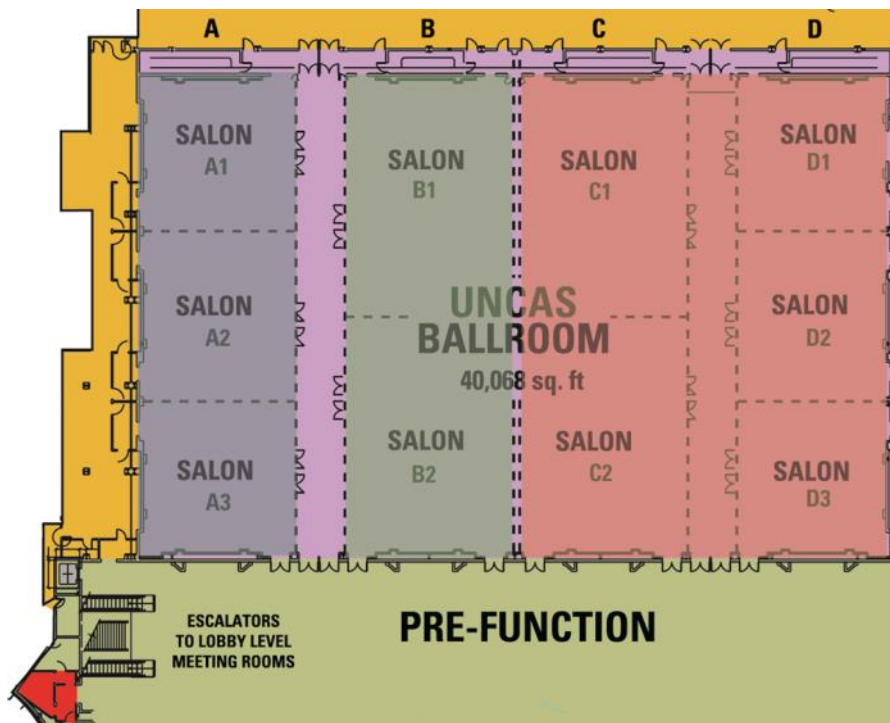
Facility Map



Lobby (Upper) Level—Meeting Rooms: Trainings/Breakouts



Lower Level—Uncas Ballroom: Plenaries/Multi-Media Meetup



Special Thanks...

ITEP would like to extend a special thanks to the National Tribal Waste and Response Assistance Program Steering Committee who helped plan, orchestrate and otherwise make this TLEF a success! Thanks also goes out to the Mohegan Tribe for their wonderful assistance!



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