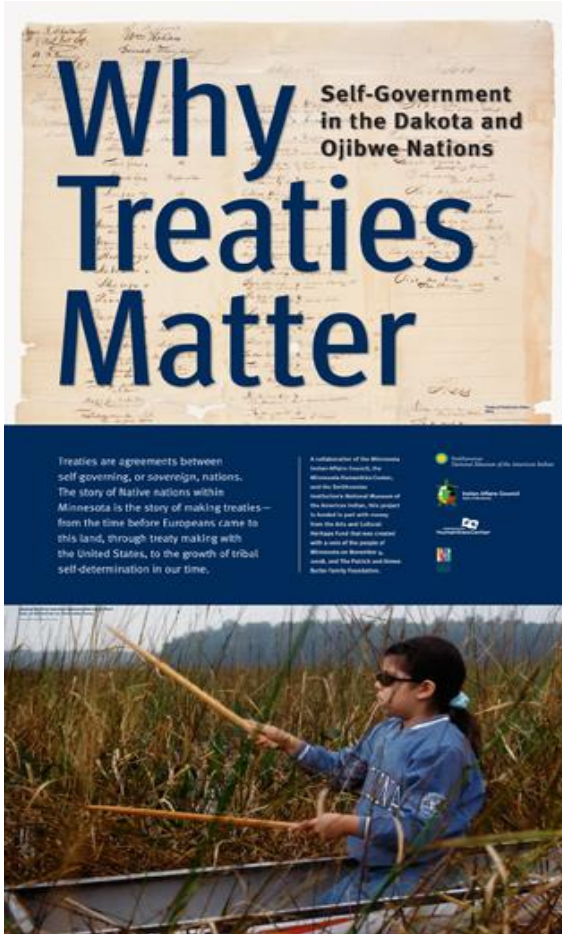


Tribal Lands and Environment Forum: A National Conversation on Tribal Land and Water Resources

August 17-20, 2015

Hyatt Regency ~ Minneapolis, Minnesota



The award-winning "Why Treaties Matter: Self-Government in the Dakota and Ojibwe Nations" Exhibit will be highlighted at this year's Tribal Lands and Environment Forum.

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 2015 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 Solid Waste and Emergency Response (OSWER) and Office of Water (OW).

Thank You to our Agate Level Sponsors!



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The Shakopee Mdewakanton Sioux Community (SMSC) is a federally recognized, sovereign Indian tribe located southwest of the Twin Cities of Minneapolis and St. Paul, Minnesota. The SMSC provides services for its members in the areas of health, education, and general welfare. With a focus on being a good neighbor, good steward of the earth, and a good employer, the SMSC is committed to community partnerships, charitable donations, a healthy environment, and a strong economy.

- **Good Neighbor Partnerships:** As a good neighbor, the SMSC enters partnerships with local entities when it is to the benefit of both parties and meets goals that the SMSC tribal members and Business Council have set.
- **Good Employer:** With more than 4,200 employees, the SMSC and its enterprises are the largest employer in Scott County, providing good benefits and a good living for its workers.
- **Steward of the Land:** The Dakota way is to plan for the Seventh Generation, to make sure that resources will be available in the future to sustain life for seven generations to come.

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About the Tribal Lands and Environment Forum

The 2015 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 Solid Waste and Emergency Response (OSWER) and Office of Water (OW). This is the fifth 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.

Conference Staff

On-site support staff are available to assist you during the conference and will be available at the registration table located at the top of the escalators on the second floor of the Hyatt Regency .

Registration

The Conference Registration table is available Sunday from 4:00pm to 7:00pm, Monday 7:00am to 6:00pm, and Tuesday from 7:00am to 8:30am, on the second floor at the top of the escalators. Registration for trainings was emailed to registered attendees prior to the conference; however, sign-up sheets will be available at the Registration table for those Monday trainings with space available.

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 2015 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. http://www7.nau.edu/itep/main/conferences/confr_tlef

Evaluations

Evaluations will be conducted online after the conference. Requests to complete evaluations will be emailed to all participants. You will also be able to access the evaluation through the Tribal Lands Forum website at http://www7.nau.edu/itep/main/conferences/confr_tlef



The Native People of Minnesota



Overview of Indian Tribes in Minnesota

In Minnesota, there are seven Anishinaabe (Chippewa, Ojibwe) reservations and four Dakota (Sioux) communities. A reservation or community is a segment of land that belongs to one or more groups of American Indians. It is land that was retained by American Indian tribes after ceding large portions of the original homelands to the United States through treaty agreements. It is not land that was given to American Indians by the federal government. There are hundreds of state and federally recognized American Indian reservations located in 35 states. These reservations have boundary lines much like a county or state has boundary lines. The American Indian reservations were created through treaties, and after 1871, some were created by Executive Order of the President of the United States or by other agreements.

Anishinaabe Reservations

The seven Anishinaabe reservations include: Grand Portage located in the northeast corner of the state; Bois Forte located in extreme northern Minnesota; Red Lake located in extreme northern Minnesota west of Bois Forte; White Earth located in northwestern Minnesota; Leech Lake located in the north central portion of the state; Fond du Lac located in northeast Minnesota west of the city of Duluth; and Mille Lacs located in the central part of the state, south and east of Brainerd. All seven Anishinaabe reservations in Minnesota were originally established by treaty and are considered separate and distinct nations by the United States government. In some cases, the tribe retained additional lands through an Executive Order of the President. Six of the seven reservations were allotted at the time of the passage of the General Allotment Act. The Red Lake Reservation is the only closed reservation in Minnesota, which means that the reservation was never allotted and the land continues to be held in common by all tribal members. Each Indian tribe began its relationship with the U.S. government as a sovereign power recognized as such in treaty and legislation. The Treaty of 1863 officially recognized Red Lake as separate and distinct with the signing of the Old Crossing Treaty of 1863. In this treaty, the Red Lake Nation ceded more than 11 million acres of the richest agricultural land in Minnesota in exchange for monetary compensation and a stipulation that the "President of the United States direct a certain sum of money to be applied to agricultural education and to such other beneficial purposes calculated to promote the prosperity and happiness of the Red Lake Indian." The agreements of 1889 and the Agreement of 1904, Red Lake ceded another 2,256,152 acres and the Band was guaranteed that all benefits under existing treaties would not change.

Dakota Communities

The four Dakota Communities include: Shakopee Mdewakanton located south of the Twin Cities near Prior Lake; Prairie Island located near Red Wing; Lower Sioux located near Redwood Falls; and Upper Sioux whose lands are near the city of Granite Falls. The original Dakota Community was established by treaty in 1851. The treaty set aside a 10-mile wide strip of land on both sides of the Minnesota River as the permanent home of the Dakota. However, in the aftermath of the U.S.-Dakota Conflict of 1862, Congress abrogated all treaties made with them and the Dakota were forced from their homes in the state. The four communities were reestablished in their current localities by acts of Congress in 1886. The four Dakota Communities today represent small segments of the original reservation that were restored to the Dakota by Acts of Congress or Proclamations of the Secretary of Interior.





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 highlighted below help the AIAQTP to accomplish the following goals:

- Assist in the building of tribal capacity for air quality management
- Provide high-quality, up-to-date training that is immediately relevant to tribes
- Enhance 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.

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 Solid Waste and Emergency Response (OSWER) 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 OSWER.
- Delivering the annual Tribal Lands and Environment Forum, as well as special trainings. You are at the fifth Forum and we hope you find it interesting and useful! We are also excited for the first time to welcome our colleagues from Tribal Water Programs and the USEPA Office of Water.
- 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.

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 OSWER are aware of tribal priorities and concerns. They also take information back to tribal professionals working in their regions or areas of specialization. Steering committee members also serve as instructors at ITEP courses, work as mentors to other tribal professionals, provide feedback to ITEP and OSWER on program activities, and make this forum possible! Thank you to all the steering committee members—past and present—for all their hard work

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



From left to right:
Alex James, Tim Kent, Virginia LeClere (Chair), Julie Jurkowski (ITEP), Victoria Kotongan (Vice Chair), Rob Roy, Elliott Talgo, Mathy Stanislaus (OSWER), Katie Kruse, Victoria Flowers, Janice Sims (EPA), Mehrdad Khatibi (ITEP), Todd Barnell (ITEP), and John Wheaton.



Agenda ~ At a Glance

Monday, August 17 - Day One: Training Sessions

Greenway Room A-B	8-hour HAZWOPER Refresher: Greenway A-B
Greenway Room D-E	10:00 am to 12:00 pm: NIMS Training 1:00 pm to 5:00 pm: FEMA Environmental Leaders Response Training
Greenway Room F-G	10:00 am to 5:00 pm: NEPA and Mining 101: Greenway F-G
Greenway Room I-J	8:00 am to 12:00 pm: Brownfields Tools to Engage Community and Assess Health Risks 1:00 pm to 5:00 pm: Climate Change Adaptation Planning
Minnehaha Room	8:00 am to 12:00 pm: Tribal Self-Governance through the Administration of Tribal Environmental Protection Programs 1:00 pm to 3:00 pm: Asbestos Awareness Training
Skyway Room A-B	8:00 am to 12:00 pm: New Tribal Water Quality Data Management Projects for Improved Local Decision Making 1:00 pm to 5:00 pm: The National Hydrography Dataset
Regency Room	10:00 am to 5:00 pm: Introduction to Water Protection and Regulations
Mirage Room	8:00 am to 5:00 pm: Very Small Water Systems Certification training (continues on Tuesday afternoon and requires successful completion of an exam)
LaSalle Room	8:00 am to 5:00 pm: How to Load Water Quality Data Using WQX (one-on-one training)

Tuesday Morning, August 18 - Plenary Session

8:00 AM-10:00 AM: Nicollet Grand Ballroom (First Floor)

8:00 am to 8:45 am	Color Guard, Invocation, and Welcoming Remarks
8:45 am to 10:00 am	Panel Discussion with Tribal Partnership Group Representatives and Senior USEPA Staff

Tuesday Morning, August 18: Breakout Sessions

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

Greenway Room A-B	Discussion Session on the Infrastructure Task Force Solid Waste Work Teams
Greenway Room D-E	Demonstration of Tribal Capacity Developed under 128(a) Brownfields Pre-Assessment: Transition from Inventory to Site Work
Greenway Room F-G	Consulting with Tribes at Superfund Sites
Greenway Room I-J	USEPA Major Initiatives Discussion with Senior USEPA Staff
Minnehaha Room	Underground Storage Tanks 101 and Regulation Update
Skyway Room A-B	Tribal FERST Treatment in a Similar Manner As A State Issues Related to the Clean Water Act
Regency Room	Enhancing Tribal Wetlands Programs and the National Wetland Condition Assessment

Agenda ~ At a Glance



Tuesday Afternoon, August 18: Breakout Sessions

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

Greenway Room A-B	USEPA's National Peer Match Program Changes to USEPA's Hazardous Waste Management Grant Program for Tribes
Greenway Room D-E	Sustainable Funding for Response and Solid Waste Programs
Greenway Room F-G	Overview of New USEPA Superfund Groundwater Guidance and Tools Groundwater Contamination at Brownfields Sites
Greenway Room I-J	Developing a Comprehensive Tribal Remedial Response and Natural Resource Assessment Strategy Building a Strong Legal Foundation to Support the Enforcement of a Tribal Trustee's NRDA Claim
Minnehaha Room	UST Regulatory History – How Did We Get Here? A Unique Approach to UST Compliance Assistance
Skyway Room A-B	USGS Science Support for Native American Tribes in the Midwest Water Resources Investigations in the Bad River Watershed
Regency Room	Headwaters to Mouth: A Top-Down Model for Successful Watershed Restoration Ecosystem Services Valuation for the St. Louis River Watershed

Tuesday Afternoon, August 18: Breakout Sessions

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

Greenway Room A-B	A Conversation with Mathy Stanislaus, AA of USEPA OSWER
Greenway Room D-E	National Tribal Mining Workgroup: Mining in the 21 st Century
Greenway Room F-G	Adaptation of Superfund Cleanup to Climate Change Dealing with the Effects of Climate Change in Solid Waste Programs
Greenway Room I-J	Furthering Tribal Sovereignty by Developing Tribal Regulatory Standards to Protect Health & Environment Protecting the Tribal Food Supply—Toxics Reduction, Water Quality, Sediment Quality, & Fish Consumption
Minnehaha Room	Tribal Consortium and USEPA Success Stories Open Discussion on Compliance Assistance for UST Programs
Skyway Room A-B	National Tribal Water Council and USEPA Office of Water Introductions & Discussion
Regency Room	From the Hands of Prometheus: Steps Toward Restoration Restoring Wild Rice Within Lake Ogechie: The 10 Year Story

Wednesday Morning, August 19: Breakout Sessions

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

Greenway Room A-B	The Indian Health Service and Tribal Solid Waste Programs Implementing Solid/Hazardous Waste Programs under USEPA's Indian Environmental GAP
Greenway Room D-E	Open Office Hours with OBLR
Greenway Room F-G	Mining Impacts on Tribal Lands
Greenway Room I-J	Protecting the Uses of Traditional Knowledges Implementing EPA's Policy on EJ for Working with Federally Recognized Tribes and Indigenous Peoples
Minnehaha Room	Hands On UST Equipment Demonstration Following is a field trip to a UST site at the Shakopee Mdewakanton Sioux Community; returning at 1:15 pm
Skyway Room A-B	Best Practices for Reaching Out to Well Owners and Stewardship of Private Wells with Systems Online Resources for Water and Wastewater Systems
Regency Room	Developing or Revising a Clean Water Act Section 106 Monitoring Strategy



Agenda ~ At a Glance

Wednesday Morning, August 19: Breakout Sessions

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

Greenway Room A-B	Conducting a Solid Waste Characterization Audit: How To Instruction and Success Stories from the Field
Greenway Room D-E	Protection of Subsistence and Cultural Resources from Trans-boundary Mining Development Honoring the Treaty Promise: A Study of Fish Harvest and Consumption in a Great Lakes Tribe
Greenway Room F-G	CERCLA 108(b) Financial Responsibility for Mining/ Mineral Processing Tribal-Led Cleanup Activities at the Tar Creek Superfund Site
Greenway Room I-J	Preparedness Initiatives in Crude Oil Rail Transport and Chemical Facility Safety and Security
Minnehaha Room	Passamaquoddy Pleasant Point Protection of Tribal Water Resources and Habitat Success Stories
Skyway Room A-B	Strategy for Developing Numeric Biocriteria for Wadeable Streams on Fond du Lac Reservation Lands Mercury Impacts to Kelly Pond
Regency Room	A Case Study: Using CWA Section 106 and 319 Funding to Assess and Improve Water Quality Overview of Water Data Sharing Using WQX

Wednesday Afternoon, August 19: Breakout Sessions

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

Greenway Room A-B	Open Office Hours with USEPA's AIEO and ORCR
Greenway Room D-E	From Muskeg to Moose: How to Achieve Redevelopment in Rural Alaska with Brownfield' TRP Supercharge Your 128(a) Tribal Response Program
Greenway Room F-G	EPA Funding Opportunities for Tribes at Superfund Responses
Greenway Room I-J	Tribal Emergency Response Case Study and Discussion
Minnehaha Room	UST Tribal Only Meeting
Skyway Room A-B	Tribal Water and Wastewater Operator Certification Versus State Certification
Regency Room	Moving From Water Quality Assessment to Restoration and Protection: The CWA Section 319 Program

Wednesday Afternoon, August 19: Breakout Sessions

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

Greenway Room A-B	Resource Recovery/Landfill Alternatives
Greenway Room D-E	Using the Brownfields Inventory Tool for Tribal Environmental Programs USEPA Brownfields Funding Opportunities and Technical Assistance
Greenway Room F-G	Open Office Hours with OSRTI, Federal FRRO, and OEM
Greenway Room I-J	When Culture and Cleanup Collide: the Mineral Hill Story NRD and Cultural Restoration of the St. Regis Mohawk Tribe
Minnehaha Room	Tribal LUST Case Study and Discussion
Skyway Room A-B	Ensuring the Built Water Infrastructure Lasts
Regency Room	Tribal Water Quality Indicator Measure SPI4(b)

Agenda ~ At a Glance



Thursday Morning, August 20: Breakout Sessions

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

Greenway Room A-B	A GIS Approach to Assessing Groundwater Threats from Open Dumps WSTARS Made Easy - Entering an Open Dumpsite Into the IHS Database From Start to Finish
Greenway Room D-E	Oil and Chemical Spills 101 with USEPA's Office of Emergency Management
Greenway Room F-G	Tribal Superfund Working Group (TSFWG) Meeting
Greenway Room I-J	Adapting to Climate Change Alaskan Tribes Making a Difference
Minnehaha Room	Mini Training on LUST Assessments
Skyway Room A-B	Turning Water Quality Data into Lake-Specific Nutrient Standards Free Water and Wastewater Utility Resources for Emergency Preparedness
Regency Room	Waters of the Ak-Chin: Tracking and Managing Water Quality Issues

Thursday Morning, August 20: Breakout Sessions

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

Greenway Room A-B	Paying It Forward: Recycling at the Poarch Band of Creek Indians Salt River Environmental Compliance Through Collaborative Education and Outreach
Greenway Room D-E	Tribal Centric Data Searches Using USEPA's Envirofacts and TRI Explorer Safer Chemical Substitution Tools
Greenway Room F-G	Tribal Superfund Working Group (TSFWG) Meeting
Greenway Room I-J	Kimâchipena: Force Multipliers for Communicating Changing Climate Strategies The Connection Between Your Stuff and Climate Change
Minnehaha Room	Operator Training Discussion UST Wrap-Up Discussion
Skyway Room A-B	Establishing Tribal Water Quality Programs Under USEPA's Indian Environmental GAP
Regency Room	Animal & Human Health at Risk from Algal Toxins in Water: Neurotoxins, Hepatotoxins, and Climate Change Miccosukee Water Resources Management: Linking TEK, Outreach, & Science to Protect Everglades Wetlands

Thursday Afternoon, August 20 - Day Four: Closing Plenary Session

12:00-1:30 PM

12:00—1:30 PM	Closing Plenary and Final Raffle Drawing
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Special Field Trips

Registration for field trips was conducted prior to the Forum.
Please check at the Registration Desk for available openings.

Monday, 8:00 am—5:00 pm	Tour of current restoration projects conducted by the Mille Lacs Band of Ojibwe
Monday, 1:30 pm—5:00 pm	Tour of the Bruce Vento Nature Preserve
Tuesday, 1:30 pm—5:00 pm	Tour of the Shakopee Mdewakanton Sioux Community's Compost Facility
Wednesday, 9:00 am—1:15 pm	Tour of a UST facility at the Shakopee Mdewakanton Sioux Community
Thursday, 1:30 pm—5:00 pm	Tour of the Reilly Superfund Site



Detailed Agenda ~ Monday, August 17

Time	Topic	Location
8:00 am - 5:00 pm	HAZWOPER 8-Hour Refresher 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> Instructors: Roberta Tohannie, ITEP	Greenway A-B
8:00 am—5:00 pm	NEPA and Mining 101 Details: The session will include four modules covering an overview of NEPA and how tribes can engage as well as the basics of Mining with case examples. This training will provide participants with an understanding of the NEPA process and key areas (acid rock drainage, water resources, and cultural resources) to focus on with commenting on mine projects. Instructors: Lynne Hood, Dave Tomten, and Cindi Godsey, USEPA Region 10	Greenway F-G
8:00 am- 12:00 pm	Brownfields Tools to Engage Community and Assess Health Risks Details: In this interactive session, participants will learn about 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 resource is the ATSDR Brownfields/Land Revitalization Action Model, a four-step framework to engage communities in land reuse planning. The second resource 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 resource 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 in this session 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 own 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 environmental sampling data. Instructor: Gary Perlman, ATSDR	Greenway I-J
8:00 am – 12:00 pm	Tribal Self-Governance through the Administration of Tribal Environmental Protection Programs: The Continuing Relevance of EPA’s 1984 Indian Policy and 1992 GAP Statute 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 making decisions and carrying out program 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 and will demonstrate their continuing relevance for supporting tribal sovereignty today. Participants will learn the legal basis for EPA’s tribal program as expressed through the 1984 Indian Policy as well as the statutory basis for using GAP funding to build tribal environmental protection programs that are consistent with EPA-administered programs Instructors: Professor James Grijalva, Director Northern Plains Indian Law Center’s Tribal Environmental Law Project, Univ. North Dakota School of Law and Luke Jones, USEPA AIEO (moderator)	Minnehaha

Detailed Agenda ~ Monday, August 17



Time	Topic	Location
8:00 am – 12:00 pm	<p>New Tribal Water Quality Data Management Projects for Improved Local Decision Making <u>And</u> Ambient Water Quality Monitoring System (AWQMS) Overview and Training</p> <p>Details: Gold Systems is currently involved in several interesting projects to provide new or improved water quality data management and analysis systems to tribes. These enhancements promise to better-equip tribes to make more informed environmental and resource-related decisions at the local level and facilitate the flow of data to the EPA for grant compliance. Topics will include 1) Continuous Monitoring Data Analysis and Submission to the EPA, 2) Using AWQMS to Store and Analyze Drinking Water Data, 3) Tribal Waters Use-Assessment Tracking, 4) On-The-Fly Water Quality Standards Generation for Metals Parameters, 5) Creation of Tailorable Forms and Analysis Tools for Tracking Wild Rice Study Parameters, 6) Improved Analysis, Reporting and Auto-Generation of Metrics Based on Macroinvertebrate Counts, 7) Web Services for Easier Integration with Other Systems such as GIS, and 8) Support for Measure WQ-SPI4b. A brief discussion of other software tools attendees might find useful will follow.</p> <p>Details: This overview will provide a solid understanding of how AWQMS can benefit your program. If your water quality program is already using AWQMS, this training will provide you with a better understanding of what AWQMS is and how to use it to help your tribe make informed local decisions. We will cover: 1) AWQMS Overview 2) Managing Your Data Once it is in AWQMS 3) Basic Data Analysis in AWQMS 4) Submitting Data to the EPA Water Quality eXchange (WQX) 5) Setting up data consistency and bounds (QA) validation in AWQMS 6) Getting Your Data Into AWQMS 7) Questions and Answers. Attendees should bring a WiFi-enabled laptop with power adapter and a mouse with mousepad. Attendees should have basic computing skills and should have a reasonably up-to-date Internet Browser installed on their laptop.</p> <p>Instructors: Mark LeBaron, AWQMS/Gold Systems</p>	Skyway A-B
10:00 am– 5:00 pm	<p>National Incident Management System (NIMS) Training FEMA Environmental Leaders Response 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: William (Nick) Nichols, USEPA OEM and Bill Sulinckas, FEMA</p>	Greenway D-E
10:00 am– 5:00 pm	<p>Introduction to Water Protection and Regulations</p> <p>Details: This training will include three sessions, covering the following:</p> <p>*Clean Water Act and Water Quality Standards 101: This session will provide an overview of the development, adoption, approval and implementation of tribal and state water quality standards under Section 303 (c) of the Clean Water Act (CWA). Water quality standards are the basis of the "water quality based" approach to pollution control described in the Act. Participants will learn how standards can be used to protect tribal waters, and some recent tribal issues will be discussed. A basic knowledge of the Act would be helpful but is not required.</p> <p>*Source Water Protection 101: Source water equals drinking water. The drinking water that we receive from our local drinking water utilities or individual wells comes from ground water, streams, rivers, springs or lakes in a watershed. Although most water requires some treatment before use, protecting this source water from contamination saves money [that would otherwise be spent on treatment equipment & operation] and is an important part of providing safe drinking water to the public.</p> <p>*Safe Drinking Water Act 101: This session will provide an introduction to the SDWA, which is the main federal law that ensures the quality of Americans' drinking water. Under SDWA, EPA sets standards for drinking water quality and oversees the states, tribes, localities, and water suppliers who implement those standards. Attendees will also learn about the components of EPA's Tribal drinking water program.</p> <p>Instructors: Thomas Gardner, Janice Bartlett, and John Irizarry, USEPA</p>	Regency



Detailed Agenda ~ Monday, August 17

Time	Topic	Location
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1:00 pm – 3:00 pm	Asbestos Awareness Training	Minnehaha
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Details: This session will include background information, the history & uses of asbestos, discuss the classes of ACM, talk about analytical methodologies for ACM as well as some health effects and information on asbestos mortality. Skills gained during this course include the understanding of the properties of asbestos, definitions, characteristics, introductory in industry, exposure hazards, and disease prevention. No prerequisites require for attendance, no previous training. This training comes with a two hour Asbestos Awareness Training certification.

Instructor: Quinten Jacket, Ute Mountain Ute Tribe

1:00 pm – 5:00 pm	Climate Change Adaptation Planning	Greenway I-J
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Details: This training provides an introduction to planning for climate change impacts, with an example of a tribe that has gone through the adaptation planning process. It will include an overview of a general process of developing a climate change adaptation plan, from getting started, to impact and vulnerability assessments, to developing adaptation strategies. It will include presentations, and small group discussions. Participants are expected to already have a basic understanding of climate change and its impacts prior to the training.

Instructors: Michael Durglo, Confederated Salish and Kootenai Tribes and Sue Wotkyns, ITEP

1:00 pm – 5:00 pm	The National Hydrography Dataset	Skyway A-B
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Details: The National Hydrography Dataset (NHD) is a geospatial infrastructure for surface water adopted by most water and water-related agencies in the United States. The NHD is a comprehensive set of digital spatial data that represents the surface water using common features such as lakes, ponds, streams, rivers, canals, and oceans. It consists of 7.5-million miles of streams and 6.5-million lakes. A companion dataset, the Watershed Boundary Dataset (WBD) defines a hierarchical set of drainage areas of the United States ranging from major river systems down to local streams. These data are designed to be used in general mapping and in the analysis of surface water systems using geographic information systems. In mapping, the NHD and WBD are used with other themes of data such as elevation, boundaries, and transportation to produce general reference maps. In analysis, the NHD and WBD are used by scientists study surface water using geographic information system technology. This takes advantage of a rich set of embedded attributes that can be processed to generate specialized information largely possible because the NHD contains a flow direction network that traces the water downstream or upstream. It also uses an addressing system to integrate specific information about the water such as water discharge, water quality, and fish population. Using the basic water features, flow network, linked information, and other characteristics, it is possible to study cause and affect relationships, such as how a source of poor water quality upstream might affect a fish population downstream. The NHD and WBD are used extensively by scientists and managers in the study of the Nation's water resources.

Instructor: Jeff Simley, USGS



Detailed Agenda ~ Monday, August 17



Time	Topic	Location
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8:00 am – 5:00 pm	Very Small Water Systems Certification Training	Mirage
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Details: Please note, this is a special 12-hour training being conducted by USET for those involved in tribal drinking water systems programs. This 12-hour course is designed to prepare the Very Small Water System Operator for the Association of Boards of Certification Exam. This is considered as an entry level for Drinking Water Operators. It will cover the core competencies for Very Small Water Systems. These are:

- Operate System
- Water Quality Parameters and Sampling
- Operate Equipment
- Install, Maintain and Evaluate Equipment
- Perform Safety Duties
- Perform Administrative and Compliance Duties

There will be a 2 hour exam with 50 questions given after the 12 hours of Training. After taking the course and passing the exam with a score of 70 or higher, the operator then can submit an application to the USET Certification Board to become an EPA approved Very Small Water Systems Certified Operator. This training will run all day on Monday, and will also take place during the afternoon of Tuesday, August 18. Students will be notified when and where the exam will take place.

Instructor: Scott Williams, United South and Eastern Tribes (USET)

8:00 am – 5:00 pm	How To Load Water Quality Data Using WQX	LaSalle
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Details: This training will be for one-on-one technical support for WQX and STORET and requires an appointment. Appointments will be held throughout the Forum and Tribes can learn ahead of time helpful information on how to flow their water quality data and be well prepared to make the most of their one-on-one appointment. Each one-on-one appointment will review the Tribe's data, identify submission challenges and work to either submit that day 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 their data questions and set up a plan for follow-up with them as well.

Available Appointment Times

Monday, August 17th- 9am, 10:30am, 1pm, & 3:30pm

Tuesday, August 18th- 10:30am, 1pm, & 3:30pm

Wednesday, August 19th- 9am, 10:30am, 1pm, & 3:30pm

If you are interested in scheduling an individual appointment for the conference:

1. Send an email to STORET@epa.gov
2. In the subject line write WQX Appointment Request
3. Include in the message:

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.



Detailed Agenda ~ Tuesday, August 18

7:00 am ~ 10:00 am Registration & Plenary Session 7:00 am ~ 10:00 am

7:00 - 8:30 am

Registration

Registration is also available from 7:00 am to 6:00 pm on Monday.
Coffee and tea will be available each morning.

8:00 - 8:45 am

Color Guard

Nicollet Grand Ballroom

Drum Group Performance

Welcoming Remarks from Ann Marie Chischilly, ITEP Executive Director

8:45 - 10:00 am

Panel Discussion

Nicollet Grand Ballroom

Virginia LeClere, TWRAP Steering Committee Chair

Victoria Kotongan, TWRAP Steering Committee Vice Chair

Ken Norton, National Tribal Water Council Chair

Nancy Schuldt, National Tribal Water Council Member

Mathy Stanislaus, Assistant Administrator, USEPA Office of Solid Waste and Emergency Response (OSWER)

Mike Shapiro, Deputy Assistant Administrator, USEPA Office of Water (OW)

Jane Nishida, Principal Deputy Assistant Administrator, USEPA Office of International and Tribal Affairs (OITA)

Susan Hedman, USEPA Region 5 Administrator

John Persell, Retired Environmental Analyst for the Leech Lake Band of Ojibwe and member of the Minnesota House of Representatives (Moderator)

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

Discussion Session on the Infrastructure Task Force Solid Waste Work Teams

~ Greenway Room A-B~

Details: Session attendees will be able to provide feedback on, and learn about, the work the Infrastructure Task Force (ITF) Solid Waste Workgroup is doing to foster sustainable solid waste programs in Indian Country and Alaska Native Villages. The ITF, which includes the US Departments of Agriculture, HHS, HUD, Interior, and the EPA, works to 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 federal partners on the ITF created the Solid Waste Workgroup and acknowledge that federal agencies should work collaboratively to promote sustainable solid waste management programs in Indian Country, including developing integrated waste management plans, and closing, cleaning up, or upgrading open dumps to ensure progress toward the sustainable management of solid waste and eliminating open dumping in Indian country.

Presenters: Rob Roy, La Jolla Band of Luiseno Indians; Charles Bearfighter RedDoor, USEPA; Janice Sims, USEPA; Westen Knudsen, IHS

Consulting with Tribes at Superfund Sites

~ Greenway Room F-G~

Details: This session will review policies regarding coordination and consultation with Tribal governments in the context of Superfund responses with specific focus on the EPA Policy on Consultation and Coordination with Indian Tribes (2011) and other relevant policies. Participants will gain an understanding of the EPA's consultation process by sharing the overall goals, objectives and practices as well as tribal perspective and regional practices. Attendees will gain practical information to assist them in future consultations involving response actions on or near Indian country.

Presenters: Anne Dailey, USEPA; Jeff Besougloff, USEPA; Mary Cooke, USEPA; LaDonna Turner, USEPA Region 6; Tina Arnold, USEPA Region 6; Amy Garcia, Pueblo of Laguna

Moderator: Christine Poore, USEPA

Detailed Agenda ~ Tuesday, August 18



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

Demonstration of Tribal Capacity Developed under 128(a) AND

Brownfields Pre-Assessment: Transition from Inventory to Site Work ~ Greenway Room D-E~

Details: The Oneida Tribe of Indians of Wisconsin's Tribal Environmental Response Program has used the capacity developed through its Brownfield 128(a) program to conduct oversight, enforcement, assessment and develop a cleanup plan at a Brownfield site on the Oneida Reservation. This presentation will also highlight the use of EPA's Superfund Technical Assessment and Response Team-Targeted Brownfield Assessment.

Presenter: Victoria Flowers, Oneida Tribe of Indians of WI

Details: There are four key elements in the 128(a) Tribal Response - Brownfields Program. The first element usually implemented is developing the "Brownfields Inventory". This includes listing all potential Brownfield sites found on tribal land. Next come prioritizing sites, which can be difficult without site specific information listed in the inventory, but is a big step towards getting a site approved by the USEPA for "site specific work" under the 128(a) grant. The Tribe then arranges for a Phase I/II Environmental Site Assessment (ESA), which can be time consuming and expensive. This transition - from a potential brownfield site listed on your Brownfields Inventory to site specific work - can be smoother and more efficient with some up front work by the Tribal TRP-Brownfields Coordinator. This session will provide Tribal TRP-Brownfields Coordinators with ideas on how to contribute to the ESA process to achieve better results through the gathering of site specific information.

Presenter: Mickey Hartnett, Kansas State University/MAP

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



USEPA Major Initiatives Discussion with Senior USEPA Staff

~ Greenway Room I-J~

Details: The EPA's Water, Waste and overall Tribal programs are undertaking several major initiatives. This session will provide an opportunity for an open dialogue with all attendees. Examples of topics which will be briefly presented and then discussed include:

- The EPA Administrator's December 2014 statement on Tribal Treaty Rights and the ongoing efforts to develop draft materials for EPA and tribes to review prior to implementation
- Clean Water Rule
- CWA 518(e) Reinterpretation
- CWA 303(d) proposed TAS Rulemaking
- EPA's Direct Implementation of Federal Environmental Programs in Indian Country, including a specific discussion of CWA, SDWA, Superfund, RCRA, USTs and Emergency Response
- OSWER, including tribal participation in Regional Emergency Response Networks and RCRA Subtitle D in Indian country - developing sustainable waste management programs in Indian country

Presenters: Mathy Stanislaus, Assistant Administrator, USEPA OSWER; Jane Nishida, Principal Deputy Assistant Administrator, USEPA OITA; and Mike Shapiro, Deputy Assistant Administrator, USEPA OW

NOTES:



Detailed Agenda ~ Tuesday, August 18

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

Underground Storage Tanks 101 and Regulation Update

~ Minnehaha Room~

Details: This session will provide an overall introduction and orientation to the underground storage tank program. This will be followed by an overview of the new, updated federal UST regulations and time for questions and answers.

Presenter: Carolyn Hoskinson, Director of USEPA OUST

Enhancing Tribal Wetlands Programs and the National Wetland Condition Assessment

~ Regency Room~

Details: The goal of the Enhancing State and Tribal Wetlands Programs (ESTP) Initiative is to enhance EPA's delivery of technical and financial support for state and tribal wetlands programs, with the overall objective of accelerating program development on a national scale. USEPA and its State, Tribal, and Federal partners are implementing the first-ever national survey on the condition of the Nation's wetlands. The survey is designed to provide regional and national estimates of wetland ecological integrity and rank the stressors most commonly associated with poor conditions. The process of designing and conducting the survey is also intended to help build state and tribal capacity to monitor and analyze wetland condition while promoting collaboration across jurisdictional boundaries. The National Wetland Condition Assessment (NWCA) is using a probability-based sampling design to provide statistically-valid estimates of condition for a population of wetlands. States, tribes and federal partners will participate in the NWCA design, planning, and field assessment. A consistent field assessment procedure will be used for the NWCA to ensure that the results can be compared across the country. Once complete, and in concert with similar surveys on the Nation's coastal waters, wadeable streams, rivers, and lakes, the NWCA will inform decision-making on how to better protect, maintain, and restore water-quality to the Nation's aquatic resources. EPA and the Army signed the Clean Water Rule (CWR) on May 27, 2015, to provide clarity over which waters are protected under the Clean Water Act, and protect the streams and wetlands that form the foundation of the nation's water resources from pollution and degradation. The rule does not create any new permitting requirements and maintains all previous exemptions and exclusions. In developing the Clean Water Rule, the Agencies utilized the latest science, including a report summarizing more than 1,200 peer-reviewed, published scientific studies which showed that small streams and wetlands play an important role in the health of larger downstream waterways like rivers and lakes. This session will provide an overview of the rule and provide an opportunity to discuss any questions tribes might have. The final rule becomes effective on August 28, 2015.

Presenters: Kathleen Kutschenreuter and Damaris Christensen, USEPA

Moderator: Kathleen Kutschenreuter, USEPA

Tribal FERST AND

Treatment in a Similar Manner As A State Issues Related to the Clean Water Act

~ Skyway Room A-B~

Details: This session will outline and demonstrate Tribal-FERST, Tribal Focused Environmental Risk Sustainability Tool, a web based geospatial tool which allows Tribes to assess their environmental risk. The 45 minute session will show Tribes the capability of this tool as it relates to environmental risk and water issues.

Presenter: Steve Terry, USET

Details: The National Tribal Water Council/United South and Eastern Tribes and USEPA Office of Water will discuss treatment of tribes in a similar manner as a state (TAS) for the purpose of administering Clean Water Act (CWA) regulatory programs. Participants in this technical information session will learn how the TAS process works today, how tribes can benefit by taking the lead role for such CWA programs as water quality standards, and how Office of Water initiatives might affect TAS in the future. This is also an opportunity to understand other tribes' perspectives on TAS for CWA programs. A basic understanding of the CWA Section 303(c) Water Quality Standards Program, CWA Section 303(d) Impaired Water Listing and Total Maximum Daily Load (TMDL) Program, CWA Section 402 National Pollution Discharge and Elimination System (NPDES) Program, and CWA Section 404 Dredge and Fill Permitting Program would be helpful for this session, but is not required.

Presenters: Steve Terry, USET; Tom Gardner, Sarah Furtak, and Felicia Wright, USEPA

Moderator: Ken Norton, Hoopa Valley Tribe and National Tribal Water Council chair

Detailed Agenda ~ Tuesday, August 18



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

EPA's National Peer Matching Program AND

Changes to USEPA's Hazardous Waste Management Grant Program for Tribes ~ Greenway Room A-B~

Details: The EPA's Office of Resource Conservation and Recovery (ORCR) Tribal Program is currently in the process of launching its National Peer Matching Program. The primary goal of this program is to facilitate tribal peer matches that provide technical assistance to tribes on waste management issues. This session will provide tribes with the basic information and an overview of the EPA National Peer Matching Program. The session will also present an example of a tribal peer match, discuss the available EPA funding that can be used to support tribes who would like to participate in peer matching, as well as describe the benefits of becoming a mentor or mentee tribe. Peer matching is a productive and cost-effective method for providing technical assistance to tribes on a wide range of waste-related topics. The ORCR Tribal Program will work collaboratively with the EPA Regions and tribes through this effort to promote safe waste management practices on tribal lands.

Presenters: Charles Bearfighter RedDoor and Luke Jones, USEPA; Char Spruce, Keweenaw Bay Indian Community

Details: In an effort to maximize the benefits to tribes from the limited funding to support the Hazardous Waste Management Grant Program for Tribes, the EPA has reassessed the criteria used to evaluate proposals submitted for funding through this grant program beginning in FY 2015. The goal of this effort is to provide technical assistance to a greater number of tribes for activities that involve hazardous waste management on tribal lands. Thus, the EPA has revised the competitive announcement to give more weight or points to the criteria that demonstrate that the benefits of the grant will impact more than one tribe. This session will facilitate an in-depth discussion pertaining to the revisions to the competitive announcement for the Hazardous Waste Management Grant Program for Tribes. Specifically during this session, the presenters will clearly articulate the changes to the competitive announcement, provide examples of innovative activities which assist applicants with compliance to the revisions, provide tips on how to write an award winning proposal (including examples of the areas where applicants typically score low and how to avoid those mistakes), and tribal presenters (2) will provide a hands-on discussion of their grant programs (training on meth labs and developing/implementing a household hazardous waste collection event and/or program).

Presenters: Roger Hancock, USEPA Region 6 and Margaret Chavez, Eight Northern Indian Pueblos Council

Moderator: Charles Bearfighter RedDoor, USEPA

Sustainable Funding for Response and Solid Waste Programs

~ Greenway Room D-E ~

Details: Some tribes are billing tribal costs for oversight to those responsible for contaminated sites. This happens for brownfields or voluntary cleanup sites, emergency response sites and for Superfund sites. Participants will hear from tribes about how much money is recovered for their environmental budgets in this manner, what legal provisions are needed to do this and what kind of records they need to keep.

Presenters: Jason Helgeson, Leech Lake Band of Ojibwe, Lloydell Marie "Suzy" Eagle Bull-Mesteth, Oglala Sioux Tribe, and Don Hurst, Colville Tribes

Moderator: Jane Neumann

UST Regulatory History – How Did We Get Here? AND

A Unique Approach to UST Compliance Assistance ~ Minnehaha Room~

Details: Travel through time and hear how UST regulations have evolved.

Presenter: Victoria Flowers, Oneida Tribe of Indians of WI

Details: This session will discuss how Oneida's Compliance Assistance Program has evolved to meet the needs of the regulated community with the Oneida Reservation and provide training for other Tribes.

Presenters: Victoria Flowers, Oneida Tribe of Indians of WI; Mike Arce, Oneida Tribe of Indians of WI; Steve Purpora, Protanic, Inc.

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Detailed Agenda ~ Tuesday, August 18

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

Overview of New USEPA Superfund Groundwater Guidance and Tools AND

Groundwater Contamination at Brownfields Sites ~ Greenway Room F-G ~

Details: Groundwater remediation is a component of more than 90% of active Superfund sites and achieving remedial action objectives can take years or even decades. Given the importance of groundwater, the US Environmental Protection Agency has recently issued a new suite of guidance and tools to help focus resources on the information and decisions needed to effectively complete groundwater remedies to ensure protection of human health and the environment. Attendees will learn about the benefits and utility of recently issued EPA groundwater guidance and tools.

Presenter: Anne Dailey, USEPA

Details: Tribal Unit (TU)-45 is a 38.9 acre property located 1.3 miles southeast of Orofino, Idaho, along the Clearwater River. This property is managed in Trust by the BIA for the Nez Perce Tribe. Before redevelopment goals could be achieved, investigations to identify potential environmental pollutants on TU-45 that may hinder the redevelopment of the property were initiated. A revised Phase I ESA incorporates findings from an EPA funded Targeted Brownfield Assessment, Phase II ESA findings to date, and presents the following professional opinions regarding recognized environmental conditions (RECs) at TU-45 including perchlorate contamination of groundwater from fireworks, creosote contaminated soil and possible creosote groundwater contamination, Underground Storage Tanks (USTs), soil and possible groundwater contamination by pentachlorophenol of unknown origin, and uncharacterized demolition debris. A Phase I Environmental Site Assessment (ESA) was performed on TU-45 in conformance with the scope of work and ASTM Practice E 1527-2000 in March 10, 2010. A Targeted Brownfield Assessment funded and managed by EPA was completed in December 2011 and concluded that additional site characterization was needed. A Phase II ESA, managed and funded by Tribal Response Program began in 2013 and includes trenching, soil sampling, geophysics, drilling of four monitor wells, and groundwater sampling. Monitor well drilling and sampling has documented that perchlorate is a common pollutant at the site. It is believed that the perchlorate is the result of fireworks detonation on-site as well as leaching from exploded fireworks weathering in-place at the site.

Presenter: Kevin Brackney, Nez Perce Tribe

Developing a Comprehensive Tribal Remedial Response and Natural Resource Assessment Strategy AND

Building a Strong Legal Foundation to Support the Enforcement of a Tribal Trustee's NRDA Claim ~ Greenway Room I-J ~

Details: Federal law segregates response actions and restoration remedies arising from environmental contamination: Remediation proceeds under the response side of CERCLA (lead by EPA), while restoration of natural resources proceeds under the natural resource damages (NRD) provision of CERCLA, involving state and federal trustees (but excluding EPA). Control of ongoing sources is regulated by the CAA, CWA or SWMA, which often falls under the authority of an EPA program separate from the contaminated site cleanup program. As a result, Tribal governments are placed in a position of great responsibility: They have the unique and important role of coordinating remediation, restoration, and source control strategies in a comprehensive manner that will ultimately result in the restoration, preservation and long term protection of the reservation environment. This seminar will address developing a comprehensive Tribal strategy.

Presenter: Richard Du Bey, Short Cressman & Burgess PLLC

Details: Natural resource damages (NRD) claims are complex and challenging both legally and technically, in large part because they tend to be reactive claims that are developed well after contamination of a site. However, Tribes can take a proactive approach to protecting and preserving Tribal natural resources both before an NRD claim arises, and during the NRD process, so that the Tribe is well situated to advance a position that will result in the full restoration of natural resources and Tribal services. Proactive strategies include evaluating Tribal services derived from natural resources, developing a reservation natural resource services baseline, and focusing NRD studies on injured natural resources specific to Tribal services. This seminar will consider proactive steps Tribes may take to build a Tribal NRD claim both before and during the NRDA process.

Presenter: Nick Thomas, Short Cressman & Burgess PLLC

Detailed Agenda ~ Tuesday, August 18



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

**Headwaters to Mouth: A Top-Down Model
for Successful Watershed Restoration
AND
Ecosystem Services Valuation for
the St. Louis River Watershed
~ Regency Room ~**

Details: In order to effectively restore a former trout stream in northeastern Wisconsin with a history of agricultural impacts and a surrounding apathetic community, a strategy of "headwaters down" restoration was implemented. We began by first addressing and eliminating the largest water quality stressor in the headwaters area, and then continued downstream with headwater channel restoration, as well as wetland and instream habitat enhancement projects. Biological, chemical, and physical metrics were monitored to document project successes. The visibility and positive impacts to water quality and the biological community further reinforced public support for further restoration projects. After decades of absence, brook trout have been reintroduced and a management plan implemented. Initiating watershed restoration in headwater wetlands and streams makes ecological sense, builds momentum and gains community constituency as you move downstream. Larger, main channel projects are thus easier to "sell" as a result.

Presenter: James Snitgen, Oneida Tribe of Indians of WI

Details: Human development has permanently altered significant elements of the natural landscape of the St. Louis River watershed, resulting in diminishment of ecological processes and services that support healthy living and well-being for humans and wildlife. However, this large watershed still retains substantial areas of intact and interconnected forests, wetlands, waterbodies and riparian zones that provide a wide range of provisioning, supporting, regulating and cultural services. The Fond du Lac Band, working with tribal, state and federal partners, is seeking to capture and communicate the economic value of the ecological services inherent in our primary watershed, located predominantly within the boundaries of the 1854 Ceded Territory where signatory bands retain hunting, fishing and gathering rights. Our objective is to offer a more comprehensive accounting of the values and benefits that a healthy watershed provides, not only to the bands but to the public at large.

Presenter: Nancy Schuldt, Fond du Lac Band of Lake Superior Chippewa

Moderator: Steve Terry, USET

**USGS Science Support for Native American
Tribes in the Midwest
AND
Water Resources Investigations in the
Bad River Watershed
~ Skyway Room A-B ~**

Details: The USGS has a long history of collaborative science with Native American Tribes. The USGS Midwest Region includes all or part of three BIA Regions: the Midwest, the Great Plains, and Eastern Regions. Many different types of collaborative hydrological science have been undertaken, directed at a range of water resource and management problems. This session will provide an overview of the collaborative work conducted by the USGS and Tribal partners in the Midwest and present some recent studies of particular interest to water resource managers. This session will also highlight capabilities of the USGS that may be of interest to Tribes for broader environmental programs.

Presenter: Charles Dunning, USGS Wisconsin Water Science Center

Details: The Bad River Watershed drains approximately 1,000 square miles of northwestern Wisconsin, extending from forested uplands along the continental divide to Lake Superior's southern shore. The watershed encompasses the Bad River Reservation, the cultural homeland of the Bad River Band of Lake Superior Chippewa, and the Bad River and Kakagon Sloughs, which harbor the largest remaining wild rice beds in the Great Lakes Basin and are central to the cultural identity of the Bad River Band. The western end of the Penokee/Gogebic Range, a long ridge containing extensive iron deposits, is situated near the headwaters. Understanding of the watershed is important to the Bad River Band, as they seek to manage their water resources in the face of climate change, proposed open-pit mining, and other concerns. Current USGS work with the Bad River Band includes a study of the groundwater system and groundwater-surface water interactions. A groundwater flow model of the watershed was constructed, which provides information on the sources of groundwater to the reservation, groundwater discharge to streams, and areas of data gaps for predicting groundwater levels and baseflow in streams under the condition of a future mine. Ongoing efforts include extending the groundwater model to simulate surface-water flows, which could allow for evaluation of downstream transport of mine-waste leachate, for example, or of climate change effects on the watershed. Participants will learn about the key environmental issues affecting the watershed and tribal water resources, and the approaches to understanding and addressing the issues.

Presenters: Andrew Leaf, USGS and Naomi Tillison, Bad River Band of Lake Superior Chippewa

Moderator: Ken Norton, Hoopa Valley Tribe and National Tribal Water Council chair



Detailed Agenda ~ Tuesday, August 18

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

A Conversation with Mathy Stanislaus ~ Greenway Room A-B~

Details: This is your opportunity to participate in an informal discussion with the Assistant Administrator of USEPA's Office of Solid Waste and Emergency Response.

Presenter: Mathy Stanislaus, Assistant Administrator of OSWER

National Tribal Mining Workgroup: Mining in the 21st Century ~ Greenway Room D-E ~

Details: A National Tribal Mining Workgroup has been funded by an EPA GAP Grant and hosted by the Nez Perce Tribe. The Workgroup has the task of developing the curriculum for a Mining 201 and NEPA training, which is tentatively planned for the Summer of 2016. This panel will give brief presentations, followed by discussion of mining topics and information gathering from the attendees on possible topics of concern in Indian Country to be presented at the 2016 Mining 201 and NEPA Training.

Presenters: Kevin Brackney, Nez Perce Tribe; Laurie Suter, Tohono O'odham Nation; Esteban Chiriboga, Great Lakes Indian Fish and Wildlife Commission; Lynn Hood, USEPA Region 10

Adaptation of Superfund Cleanup to Climate Change AND

Dealing with the Effects of Climate Change in Solid Waste Programs ~ Greenway Room F-G ~

Details: This session focuses on the impacts of a changing climate, identification of vulnerabilities and approaches to address the impacts of climate change at Superfund sites. Subjects covered include an overview of Superfund-specific climate change vulnerabilities, stages in the cleanup process that provide opportunities to consider climate change adaptation options, available resources and regional case studies of Superfund sites that have been impacted by a major weather event.

Presenter: Anne Dailey, USEPA

Details: In June 2012, the Fond du Lac Band experienced a 500-year flood event with 7-10 inches of rain falling over a 24-hour period. This session will describe the planning and disaster debris recovery efforts resulting from this flood event, as well as new steps taken to increase resiliency to the impacts of future disasters.

Presenter: Shannon Judd, Fond du Lac Band of Lake Superior Chippewa

Moderator: Sue Wotkyns, ITEP

Furthering Tribal Sovereignty by Developing Tribal Regulatory Standards to Protect Human Health and the Environment AND

Protecting the Tribal Food Supply—Toxics Reduction, Water Quality, Sediment Quality, & Fish Consumption Rates ~ Greenway Room I-J ~

Details: State and Federal cleanup standards continue to trend toward "one size fits all" risk based standards, that is, evaluation of the risk that persistent contamination has on the human health and the environment. EPA's risk based standards do not consider cultural or spiritual connections to the land; the interdependence of natural resources and Tribal food sources; the implications of a finite land base; or the need to preserve limited natural resources for generations. To protect Tribal life ways, Tribes must enact Tribal regulatory standards and programs uniquely designed to protect the Tribe's cultural and spiritual interests. Enactment and enforcement of such standards and laws not only preserves and protects Tribal natural resources, but is also an exercise of the Tribe's inherent sovereignty. This seminar will consider the development and enforcement of Tribal regulatory standards and programs.

Presenter: Jennifer Sanscrainte, Short Cressman & Burgess PLLC

Details: Contaminated sites impact the Tribal Food Supply on many levels that are not adequately quantified by standard risk assessments. Healthy seafood represents tribal economy, culture, and empowerment. Tribal health models are more comprehensive than standard risk assessments because they encompass individual, community, biota, and environment. In addition, risk assessments must consider that tribal seafood consumption rates are higher than the average population's. Tribes benefit from establishing tribal fish consumption rates and background levels for fish tissue and sediment, as most cleanups must default to background. When establishing background levels, tribes may identify point and non-point sources of pollutants. Tribes also benefit from setting tribal cleanup and background levels by influencing feasibility study alternatives against institutional controls, and by establishing baselines for Natural Resource Damage.

Presenter: Janet N. Knox, LG and Principal Environmental Geochemist, Pacific Groundwater Group

Detailed Agenda ~ Tuesday, August 18



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

**From the Hands of Prometheus:
Steps towards Restoration
AND
Restoring Wild Rice Within Lake Ogechie:
The 10 Year Story
~ Regency Room ~**

Details: This session will discuss the monitoring of the Santa Clara Creek and the improvements in water quality, including the return of macro invertebrates post Las Conchas fire. Additional topics include efforts underway to reduce sediment and restoration of Santa Clara Pueblo watershed (using 106 and 319 grants).

Presenter: Shawn Chato, Pueblo of Santa Clara

Details: This presentation describes a ten year effort to restore wild rice to Lake Ogechie and provide fish passage from the headwaters of the Rum River into Mille Lacs Lake. The water levels within Lake Ogechie and Lake Mille Lacs, the source of the Rum River, are controlled by Buckmore Dam. Lake Ogechie once supported dense stands of wild rice. Buckmore Dam is a barrier to fish movement. Lake Ogechie historically provided sustenance and served as a gathering place for the Ojibwe people. Many Native American camps were located along the shores of Lake Ogechie and within Kathio State Park (a National Historic Landscape), operated by the Minnesota Department of Natural Resources (MnDNR). The Mille Lacs Band of the Ojibwe Department of Natural Resources (with the MnDNR) recently completed the first phase of this two phase project. Construction of a new "context sensitive design" water control structure at the outlet of Mille Lacs Lake is completed. The second phase is modifying Buckmore dam to allow the reestablishment of Rice within Lake Ogechie and construction will occur this fall.

Presenters: Perry Bunting, Mille Lacs Band of Ojibwe; Greg Bowles, Houston Engineering, Inc., Mark Deutschman, Houston Engineering, Inc.

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

**Tribal Consortium and USEPA Success Stories
AND
Open Discussion on Compliance Assistance for UST
Programs
~ Minnehaha Room ~**

Details: Each consortium will describe the environment that existed prior to the forming of each respective agency and then describe the positive changes that have taken place since the inception of each consortium. We will describe the process of working with both the Regional EPA staff and various Tribes in New Mexico, Oklahoma and Texas and showcase the positive effect this has had on Tribal significant operational compliance. We will also discuss the new SharePoint site developed by Region 6 in an effort to maximize and streamline how Tribal UST facilities collect and store data. We expect the audience to gather information on the success and applicability of the consortium model utilized so effectively in Region 6 and how this might apply to their own Regions of interest.

Presenters: David Hayes, ITEC; Leonard Sabatino, ENIPC; Heather Mann, Greg Pashia, and David Anderson, USEPA Region 6

Details: After learning about tribal/EPA consortium success stories, this follow-up facilitated discussion is a chance for tribes and EPA to raise questions, exchange information, and share ideas on collaborations and how they can result in a successful tribal UST compliance program.

Moderator: Greg Pashia, USEPA Region 6

**National Tribal Water Council and USEPA Office of
Water Introductions & Discussion
~ Skyway Room A-B ~**

Details: The National Tribal Water Council is comprised of Tribal Environmental Professionals in the field of Water. The NTWC was established to advocate for the best interests of federally-recognized Indian and Alaska Native Tribes, and Tribally-authorized organizations, in matters pertaining to water. It is the intent of the NTWC to advocate 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 has been successful in partnering with the EPA Office of Water on several initiatives important to Indian Country. Come Meet the Council and learn more about what all they do.

Presenters: Steve Terry, USET; Ken Norton, Hoopa Valley Tribe and Felicia Wright, USEPA

Moderator: Steve Terry, USET

NOTES:



Detailed Agenda ~ Wednesday, August 19

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

The Indian Health Service and Tribal Solid Waste Programs AND

Implementing Solid/Hazardous Waste Programs under USEPA's Indian Environmental GAP ~ Greenway Room A-B ~

Details: This session will focus on solid waste management with regard to potential collaboration with Indian Health Service., and will include an overview of DSFC criteria and public laws 86-121 and 103-399.

Presenters: Westen Knudsen, IHS; Susanna Trujillo, USEPA

Details: The Indian Environmental General Assistance Program (GAP) authorizes EPA to provide financial assistance to tribes for the development and implementation of solid waste 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 foundational tribal solid waste program capacities that can be established under GAP, and that provide an essential foundation for successful program implementation. The session will also describe the allowable and unallowable solid waste program implementation activities GAP can fund.

Presenters: Luke Jones & Andrew Baca, USEPA

Moderator: Janice Sims, USEPA

Office Hours with the Office of Brownfields and Land Revitalization

~ Greenway Room D-E~

Details: David Lloyd, the director of USEPA's Office of Brownfields and Land Revitalization (OBLR) will be holding "office hours" where those involved in Brownfield and Tribal Response Programs may have informal discussions about their challenges, successes and ideas for future activities.

Presenters: David Lloyd, Director of the Office of Brownfields and Land Revitalization

Mining Impacts on Tribal Lands

~ Greenway Room F-G ~

Details: This session will provide an understanding of the five stage life cycle of a mine; some history related to mining on tribal lands; understanding the differences between modern and legacy mining practices; some positive and negative impacts of mining unique to tribal communities; current reclamation methods for mine lands; and how tribal consultation, informed consent, sovereignty, and indigenous rights can help protect tribal lands.

Presenter: Laurie Suter, Tohono O'odham Nation

Protecting the Uses of Traditional Knowledges AND

Implementing EPA's Policy on Environmental Justice for Working with Federally Recognized Tribes and Indigenous Peoples

~ Greenway Room I-J ~

Details: The Third National Climate Assessment issued in May 2014 contained a chapter dedicated to the impact of climate change on tribal peoples. In light of the increasing recognition of the significance of traditional knowledges (TKs) in relation to climate change, a self-organized, informal group of indigenous persons, staff of indigenous governments and organizations, and experts with experience working with issues concerning traditional knowledges (The Climate and Traditional Knowledges Workgroup - CTKW), felt compelled to develop a framework to increase understanding of issues relating to access and protection of TKs in climate initiatives and interactions between holders of TKs and non-tribal partners. The Guidelines were originally developed to inform the Department of Interior's Advisory Committee on Climate Change and Natural Resource Science (ACCCNRS) in May 2014. Negotiations are currently underway in the UN World Intellectual Property Organization Intergovernmental Committee on Intellectual Property and Genetic Resources, Traditional Knowledge and Folklore towards the development of an international legal instrument or instruments for the effective protection of traditional cultural expressions and traditional knowledge, and to address the intellectual property aspects of access to and benefit-sharing in genetic resources.

Presenters: Ann Marie Chischilly, ITEP and Michael Durglo, Confederated Salish and Kootenai Tribes

Details: EPA issued its Policy on EJ for working with tribes and indigenous peoples in July 2014. This session will discuss the approach EPA is taking to implement the Policy, some of the effective approaches being taken, some challenges and a discussion on the experiences of tribes with EPA's implementation of the Policy. The outcomes of the session will include participants gaining an understanding of this new EPA policy, some of the steps EPA is taking to implement the policy, some of the issues EPA has come across in the implementation of the Policy, some practical steps tribes can take to address environmental justice concerns in their communities, and learn of a federal agency's experience working in collaboration with EPA to address EJ concerns facing a tribe/indigenous peoples.

Presenters: Danny Gogal, USEPA, Tom Goldtooth, Indigenous Environmental Network, and Dona Harris, USEPA

Moderator: Sue Wotkyns, ITEP

Detailed Agenda ~ Wednesday, August 19



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

Hands-On UST Equipment Demonstration ~Minnehaha Room~

Details: This is a brief session that will precede the UST field trip. It is a hands on learning experience to familiarize participants with the parts of a UST system to make the UST field experience more meaningful.

Presenter: Mike Arce, Oneida Tribe of Indians of WI

Field Trip to the Shakopee Mdewakanton Sioux Community Gas Station

The tour will visit the Shakopee Mdewakanton Sioux Community Please sign up in advance for this tour at the registration desk. The tour will gather outside near the hotel's main entrance at 9:00 am, we will take a bus together to the field trip, and we expect to return to the hotel by 1:15 pm. If interested, please bring money to purchase lunch at the Shakopee convenience store. Closed toe shoes are required for this tour. Safety vests will be provided but, you may bring your own.

Presenters: John Leblanc, Red Lake Band of Chippewa Indians, Mike Arce, Oneida Tribe of Indians of WI, and Steve Purpora – Protanic, Inc.

Developing or Revising a Clean Water Act Section 106 Monitoring Strategy and a Case Study: Using Monitoring Strategies to Determine Methodologies to Protect and Restore Watershed Health

~ Regency Room ~

Details: Under the Clean Water Act Section 106 program, Tribes are encouraged to identify water quality protection needs to help develop and direct their water quality program. This session will describe a path towards identifying program objectives and goals in order to develop an overall monitoring program strategy. Jennifer Wintersteen, EPA CWA project officer, will discuss selecting a monitoring design and identifying core water quality indicators and a method to assess data in this session as part of the components of a strategy. A Water Quality Specialist from the Flandreau Santee Sioux Tribe, Tim Spade, will describe updating a monitoring strategy from the perspective of someone taking over an existing program and identifying monitoring objectives. Jeremy Yepa, Water Quality Specialist with the Pueblo of Tesuque Environmental Department, will describe how the Pueblo's monitoring strategy helps guide protection and restoration of surface water bodies and associated riparian areas and watersheds. Jeremy will describe how the Pueblo is using benthic macroinvertebrate monitoring to identify water quality issues and also describe partnering with other EPA grant programs and federal agencies for watershed restoration.

Presenters: Jennifer Wintersteen, USEPA, Tim Spade, Flandreau Santee Sioux Tribe and Jeremy Yepa, Santa Clara and Jemez Pueblos

Best Practices for Reaching Out to Well Owners and Stewardship of Private Wells AND

Online Resources for Water and Wastewater Systems

~ Skyway Room A-B ~

Details: An innovative, email-based class that helps well owners better understand the geology, hydrology, and construction features of their wells has been developed at the University of Illinois. A series of ten lessons, delivered via email using a staggered, self-paced approach, provide guidance on dealing with common well maintenance issues and problems. Other topics include source water protection, sampling, interpreting results, home treatment, and emergency situations. The lessons were developed to be a basic, but comprehensive, class that well owners could use to become better stewards of their wells and nearby groundwater. A best practices manual for those serving well owners (sanitarians, community leaders, groundwater professionals) has been developed that provides guidance for engaging well owners in outreach programs and identifying both barriers and best practices to encourage well owners to sample and properly maintain their wells. In this session both topics will be addressed and attendees will go away with a better understanding of the responsibilities a well owner has, the practices they should encourage, and how to engage well owners in taking part in these activities.

Presenter: Steve Wilson, University of Illinois

Details: SmallWaterSupply.org is a website dedicated to assisting water and wastewater systems, particularly the operators of those systems. The site contains extensive free resources from over 750 organizations and provides a tribal training calendar that lists events for tribal operators all over the country. The session will explore the options available through the website and teach participants how to use the site. There is a tribal resources section that lists many of the USEPA and USDA funded water programs for tribal water and wastewater systems, as well as resources for careers in the water and wastewater industry. Funded by USEPA through RCAP, the website only contains free information and also provides support through both an email address and phone line.

Presenter/Moderator: Steve Wilson, University of Illinois



Detailed Agenda ~ Wednesday, August 19

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

Conducting a Solid Waste Characterization Audit: How-To Instruction and Success Stories from the Field ~ Greenway Room A-B ~

Details: In this training, you will learn how to conduct a solid waste characterization audit and use the data to identify options and costs to manage the waste/material streams in your community. You will also hear about experiences from Coyote Valley and Ak-Chin tribes who recently completed audits. They will share their how they were able to influence tribal casino practices and use results to help build a sustainable tribal solid waste program, including an Integrated Solid Waste Management Plan.

Presenters: Emily Luscombe, Coyote Valley Band of Pomo Indians; Lorinda Sam, Ak-Chin Indian Community; and Shannon Davis. USEPA Region 9

Protection of Subsistence and Cultural Resources from Trans-boundary Mining Development AND

Honoring the Treaty Promise: A Study of Fish Harvest and Consumption in a Great Lakes Tribe ~ Greenway Room D-E ~

Details: The source of the Taku, Stikine, and Unuk Rivers in Alaska has been known as the Sacred Headwaters by Tlingit and Haida peoples for generations because they represented the source of salmon life and thus Tlingit and Haida life. On the British Columbia side, this same area is known as the Golden Triangle for its vast mineral resources. These mines, combined with weakened regulations, and lax enforcement pose very real threats to the most ecologically important and spiritually sacred spawning habitat in the Pacific Northwest. The recent tailings dam disaster at the Mt Polley Mine, and the continued contamination of the Taku from the abandoned Tulsequah Chief Mine, attest to the real threats posed. By partnering with other Tribes, commercial fishing groups, and NGO's and the State of Alaska, Tribes are getting a seat at the table on these actions. Participants will learn about the risks of large-scale open-pit mining on watersheds, the hurtles of international actions, organizing with non-traditional allies, and taking charge of the watersheds that sustain their communities. They will also learn the story of the "Salmon in the Trees"- how salmon return nutrients to the forest and sustain all life in the Tongass.

Presenter: Guy Archibald, Southeast Alaska Conservation Council

Details: Many of the waters and fish upon which Tribes rely upon are contaminated, posing a particular and disparate threat to Tribal populations who, historically and contemporarily, consume more fish than the general population. Environmental regulations intended to limit contamination and protect human and ecological health are in part comprised of human health criteria, which are tied to fish consumption rates. Fish consumption advisories, although contrary to treaty-guaranteed rights to harvest and consume fish, are also tied to fish consumption rates. These fish consumption rates are typically reflective of the general population and in many cases are seriously outdated. Furthermore, the federal trust responsibility obliges federal agencies to protect the level of consumption at the time of the treaties, and promises robust and healthy fisheries. This session will examine a fish consumption survey being conducted by the Keweenaw Bay Indian Community in order to determine a relevant, scientifically defensible fish consumption rate that will be used to establish standards that are protective of the health as well as treaty-reserved rights and resources of the Community.

Presenters: Katie Kruse and Char Spruce, Keweenaw Bay Indian Community

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- Sustainable community planning and feasibility
- Technical support for Tribal regulatory development
- Regulatory compliance and permitting
- Human health and ecological risk assessment
- Geographic Information Systems (GIS)
- Environmental data quality and management

Detailed Agenda ~ Wednesday, August 19



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

CERCLA 108(b) Financial Responsibility for Mining/ Mineral Processing AND

Tribal-Led Cleanup Activities at the Tar Creek Superfund Site

~ Greenway Room F-G ~

Details: In July, 2009, EPA published a Federal Register (FR) notice identifying classes of facilities in the hard rock mining and mineral processing industries as its first priority for developing financial responsibility regulations under Section 108(b) of CERCLA. EPA intends to publish its proposed regulations for these industry classes in late 2016. The mining FR notice commits EPA to develop a rule that will address the problem of bankrupt or under-funded sites in the hard rock mining and mineral processing industries. Through FY 2011 the Agency has spent approximately \$4.6 billion to clean up hard rock mines and mineral processors that were not subject to, or only partially subject to, federal financial responsibility requirements. During 2015, EPA is in conversation with the communities most concerned with hard rock mining and mineral processing, as the agency continues developing proposed regulations and underlying analysis for comment.

Presenter: Ben Lesser, USEPA

Details: In late 2013, the Quapaw Tribe of Oklahoma conducted the first-ever Remedial Action in the nation by a tribe on property that they own. This property, known as the "Catholic 40", has cultural and historic significance to the tribe as it contains evidence of important events in the history of the Quapaw Tribe. The tribe has gone on to conduct additional Remedial Action work with the EPA and the State of Oklahoma. The tribe plans to continue similar Remedial Action activities at the site, as they have vested interest in the land. This presentation will provide insight on how the Quapaw Tribe has built the capacity to perform Remedial Action activities, such as the "Catholic 40", and additional work that is being done, and future plans of work to be conducted at the Tar Creek Superfund Site.

Presenter: Craig Kreman, Quapaw Tribe

Preparedness Initiatives in Crude Oil Rail Transport and Chemical Facility Safety and Security

~ Greenway Room I-J ~

Details: This session delivered by top officials at EPA, DOT and FEMA will summarize the key observations on preparedness for crude oil shipment by rail, information on upcoming exercise series, federally supported training options, and additional crude oil by rail response resources from federal agencies. Given the rise in volume of crude oil, and the recent string of incidents involving releases and fires, the federal government is taking a multi-faceted approach to improving the safety of crude oil movements by rail with a focus on preventing accidents from occurring, minimizing consequences when accidents do occur, and taking steps to protect human health and the environment. Additionally, presenters will share preparedness resources for tribal environmental personnel to obtain training and exercise support for crude by rail incidents. This session will also cover the general points of the federal interagency effort to Improve Chemical Facility Safety and Security. Specifically, to enhance the safety and security of chemical facilities and reduce risks associated with hazardous chemicals to facility workers and operators, communities, and responders. Please join us and be prepared to share your experiences and emergency preparedness needs regarding crude oil and chemical facility safety.

Presenters: Nitin Natarajan, USEPA OSWER; Chad Payeur, FEMA, Department of Homeland Security; Brandon Wales, Department of Homeland Security; Debra Lekanoff, Swinomish Tribe

NOTES:





Detailed Agenda ~ Wednesday, August 19

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

Passamaquoddy Pleasant Point Protection of Tribal Water Resources and Habitat Success Stories ~ Minnehaha ~

Details: This session will describe several success stories where the Passamaquoddy Pleasant Point Tribe utilized both their Brownfields 128(a) Tribal Response Grant and their 104(k) Brownfields Community Wide Assessment Grant to protect tribal water resources and habitat. The session will describe the process of identifying, investigating, and remediating sites that posed an environmental threat to tribal waters including lakes, streams, and ocean front, as well as potential drinking water supplies. Sites that will be discussed include a solid waste junkyard, paint and solvent waste disposal site, historical waste disposal site, biological waste impacted site, an historical industrial property, and others. Each of the sites discussed are located on a tribal water body and pose or posed a potential environmental threat. Participants will learn how to identify and prioritize sites that pose a potential threat to water bodies and associated habitat. Additionally, participants will learn what to consider and how to prepare a successful Site Specific Quality Assurance Project Plan (work plan) including: identifying and evaluating contaminants of concern, developing a site conceptual model, and identifying and selecting cleanup standards or data quality objectives. Participants will also learn the benefits of combining both a 128(a) Tribal Response Grant with a 104(k) Brownfields Assessment Grant. Expected outcomes include improved skills in: (1) identifying sites that pose a potential threat to tribal water resources and habits, (2) the preparation of a Site Specific Quality Assurance Project Plan that includes a well thought out conceptual model and results in anticipated project goals; (3) the use of environmental covenants and best management practices to manage sites into the future. This session does not require any previous Brownfields knowledge.

Presenters: Dale Mitchell, Passamaquoddy Tribe; Glen Daukas, Campbell Environmental Group; and Amyjean McKeown, USEPA

A Case Study: Using CWA Section 106 and 319 Funding to Assess and Improve Water Quality AND

Overview of Water Data Sharing Using WQX ~ Registry Room~

Details: Scott Walz: Using CWA Section 106 grant funding the Shakopee Mdewakanton Sioux Community (SMSC) started a baseline water quality investigation in 1998. From that research it was discovered that several water bodies exhibited a chloride concentration above the chronic standard late into the summer and above the acute standard during the spring months. After implementation of several CWA 319 projects follow up monitoring showed the level of chloride has dropped below the standard and is on the decline. This presentation will be a case study with a brief discussion of how it was discovered salt was an issue, the projects that were implemented, the ensuing results and the issues encountered. Monetary value will also be briefly discussed.

Scott Bulgrin: Since the Final Guidance on Awards of Grants to Indian Tribes under Section 106 of the Clean Water Act – For Fiscal Years 2007 and Beyond EPA 832-R-06-003 was finalized the EPA has required Tribes to submit a Tribal Assessment Report (TAR) as part of their CWA 106 funding. The TAR consists of three parts: monitoring strategy, water quality data and assessment, and electronic copies of the water quality data. The Pueblo of Sandia has been submitting this document to EPA Region 6 since 2008. This presentation will discuss how the Pueblo of Sandia develops its TAR (concentrating on the water quality data and assessment portion) and how it is used by the Pueblo of Sandia to address water quality issues both on the Pueblo and outside of its reservation with emphasis on the TAR's relationship to our water quality standards and water quality assessment (305b). A discussion on how EPA and Tribes can make the TAR more beneficial will be discussed also.

Presenters: Scott Walz, Shakopee Mdewakanton Sioux Community; Scott Bulgrin, Pueblo of Sandia

Details: Over 120 tribes use the Water Quality eXchange (WQX) to share water quality monitoring data. WQX is a recognized community standard for physical, chemical, biological, habitat and metric data. This session will explain water quality data management, the utility of WQX, provide an overview of the Water Quality Portal for making data available, and introduce a roadmap for tribes to use in building capacity to share water monitoring data.

Presenter: Charles Kovatch, USEPA
Moderator: David Horak, USEPA





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

**Strategy for Developing Numeric Biocriteria for Wadeable Streams on Fond du Lac Reservation Lands
AND**

**Mercury Impacts to Kelly Pond
~ Skyway Room A-B ~**

Details: Since 1999, the Fond du Lac Reservation (FDL) has been collecting macroinvertebrate and fish data from five on-Reservation wadeable streams as part of our routine biomonitoring program. FDL has "Treatment as an Affected State" authority for administering its water quality program, and has adopted water quality standards (WQS) with designated uses such as fishing, recreation, cultural and wild rice. Within the WQS are narrative criteria for protection of aquatic communities. The biomonitoring data will help us determine if our streams are able to support the types of aquatic life that are expected to occur in northern Minnesota streams. FDL is working with Tetra Tech and state partners to use our stream biomonitoring data in developing numeric biocriteria. Potential uses of the numeric biocriteria include: establishing biological status and condition (e.g., detecting impairment, identifying high quality waters); measuring changes over time; identifying stressors; and evaluating effectiveness of restoration measures. We modified existing bioassessment tools from the broader region and our process can be used as a guide for other tribes who plan to develop numeric biocriteria.

Presenter: Kari Hedin, Fond du Lac Band of Lake Superior Chippewa

Details: A question was asked "are the fish in Kelly Pond safe to eat"? In 2015, funded under CWA 106 a QAPP and SOPs were developed. Fish capture using hook and line was conducted resulting in higher than acceptable mercury concentrations. Further monitoring continued to result in higher than acceptable mercury concentrations. Investigation led to an old town dump as a possible source of contamination due to leaching mercury through the soil. Core sediment samples of the pond were conducted but resulted in non-detection levels. A fish consumption rate was developed and approved by EPA. Investigations continue at Kelly Pond and at the Old Town Dump. Skills learned workplan and SOP/QAPP development, fish capture techniques, core sediment sampling techniques, fish consumption rate development, public notice processes and further investigation processes.

Presenter: Denise Jensen, Winnebago Tribe of Nebraska
Moderator: Steve Terry, USET

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Detailed Agenda ~ Wednesday, August 19

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

Open Office Hours with USEPA's American Indian Environmental Office and Office of Resource Conservation and Recovery ~ Greenway Room A-B ~

Details: This open office hours session will feature staff from both AIEO and ORCR, who will be available to discuss the issues, challenges, and successes involved in tribal solid waste management programs.

Presenters: Karin Koslow, Deputy Director of AIEO and Kathleen Salyer, Deputy Director of ORCR

EPA Funding Opportunities for Tribes at Superfund Responses ~ Greenway Room F-G ~

Details: This session will primarily focus on potential funding opportunities for tribes working on Superfund responses. Presentations will include an overview of Superfund funding options, an EPA regional perspective, and a tribal perspective. Attendees will gain practical information to assist them in obtaining support for meaningful involvement in Superfund response actions on or near Indian country.

Presenters: Christine Poore, LaDonna Turner, Rachel Lentz, USEPA; Tim Kent, Quapaw Tribe

Moderator: Anne Dailey

UST Tribal Only Meeting ~ Minnehaha ~

Details: This tribal-only meeting affords tribal staff a time to discuss current issues, share success stories, and develop ways to improve tribal UST/LUST programs and their partnerships with USEPA.

Moderator: John LeBlanc, Red Lake Band of Chippewa Indians

Tribal Emergency Response Case Study and Discussion ~ Greenway Room I-J ~

Details: This session will provide the foundations and challenges of sustaining a tribal emergency management program or department. Tribal response cases will be highlighted and how tribal sovereignty deals with collaboration with county, state and federal partners in an incident

Presenter: Monte Fronk, Mille Lacs Band of Ojibwe

From Muskeg to Moose: How to Achieve Redevelopment in Rural Alaska with Brownfields Tribal Response Program Callie Ridolfi, P.E., RIDOLFI, Inc. and Alex James, Yakutat Tlingit Tribe

AND

Supercharge Your 128(a) Tribal Response Program

~ Greenway Room D-E ~

Details: Successful Brownfields Tribal Response Program Projects in Rural Alaska will be showcased. Participants will learn how these tribal communities planned and received grant funding to inventory and characterize their disturbed sites and how they are working to promote economic development and rehabilitate subsistence areas. Outcome will provide tips for success in planning and implementing projects impacted by industrial and military impacts.

Presenters: Callie Ridolfi, P.E., RIDOLFI, Inc. and Alex James, Yakutat Tlingit Tribe

Details: This session provides a comprehensive discussion of the 128(a) Tribal Response Grants and the 104(k) Assessment, Revolving Loan Funds, and Cleanup Grants (ARC Grants). Topics include a presentation of the goals and purpose of each grant, how to apply for them, and how to use them together to "supercharge" your Tribal Brownfields Program. Participants will learn the details and benefits of each of the grants and how to best apply the grant resources to achieve the maximum benefits. Participants will learn that the 128(a) Tribal Response Grant focuses on establishing and/or enhancing "four elements": timely survey and inventory of brownfields sites on tribal land; oversight and enforcement authorities; resources to provide meaningful opportunities for public participation; mechanisms for approval of a cleanup plan and verification/certification that cleanup is complete. The 104(k) grants provides the "horsepower" to conduct multiple site investigations and cleanups within the established environmental framework. The goal is to educate Tribes on the available Brownfields Grants and encourage those Tribes with established 128(a) programs to consider the 104(k) ARC grants, and to encourage those who have not yet established a 128(a) program to apply for a 128(a) grant and/or a 104(k) ARC grant.

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

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



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

Tribal Water and Wastewater Operator Certification versus State Certification ~ Skyway Room A-B ~

Details: Tribal drinking water & wastewater system operator certification, in lieu of state operator certification, is essential to Tribal self-determination & to the long-term sustainability of Tribal communities. Tremendous progress has been made in the Tribal Water & Wastewater Operator Certification Program at the Inter Tribal Council of Arizona, Inc. This presentation will describe the program's progress, including the development & implementation of a brand new professional certification - Tribal Utility Management Certification. In addition, the presentation will describe two underlining problems that need immediate attention by both the US EPA & Tribes. 1) It is vital that Tribal representation be maintained at the national standardized operator certification exam development committees through participation by Tribal water & wastewater system operators/utility managers. 2) Under both the Safe Drinking Water Act & the Clean Water Act, significant inequality exists for funding of Tribal water & wastewater operator certification programs in comparison to state operator certification programs.

Presenter: Brian Bennon, ITCA
Moderator: Scott Williams, USET

Moving From Water Quality Assessment to Restoration and Protection: The CWA Section 319 Program ~ Regency Room ~

Details: Nancy Arazan, Janette Marsh, and Peter Monahan, US EPA will provide an overview of Clean Water Act section 319 program, including the requirements for program eligibility -- Treatment in a Manner Similar to a State, the Assessment Report and Management Program Plan. Also a primer on how CWA section 319 supports watershed-based planning and protecting healthy watersheds.

Shane Bowe, Red Lake Band of Chippewa Indians will discuss how in 2013, an historic dam in Redby, MN was removed in conjunction with a highway improvement project. Using 319 funding provided by US EPA Region 5 and partnering with MN DOT, MN DNR, and NRCS, the Red Lake Band was able to prevent mass erosion, restore stream function, and resume fish passage at a stream that had been blocked for nearly 100 years. The success of the project is being verified using geomorphological and biological assessment tools with a particular emphasis on freshwater mussel migration.

Tim Spade, Flandreau Santee Sioux will discuss how US EPA recommends that the foundational tribal nonpoint source program documents – the Assessment Report and Management Program Plan – are updated every five years. Learn about what it takes to update and amend these critical program documents when you were not the original author.
Presenters: Janette Marsh and Nancy Arazan US EPA Region 5; Peter Monahan US EPA Region 8; Shane Bowe, Red Lake Band of Chippewa Indians; and Tim Spade, Flandreau Santee Sioux

NOTES:





Detailed Agenda ~ Wednesday, August 19

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

Resource Recovery/Landfill Alternatives ~ Greenway Room A-B ~

Details: This presentation will address ways of reducing the waste stream and finding other options instead of land-filling. It will cover ways to reduce packaging, paper waste, wood, glass, and metals. Re-use and organics recovery as well as harvesting value added materials for revenue.

Presenter: Ted Jacobson, USEPA Region 10 (Alaska)

Using the Brownfields Inventory Tool for Tribal Environmental Programs AND USEPA Brownfields Funding Opportunities and Technical Assistance ~ Greenway Room D-E ~

Details: Tribal professionals are faced with many environmental data challenges, ranging from data collection, database management, regulatory reporting, information security, etc. One helpful option is the Brownfields Inventory Tool (BIT). BIT is a web-based user friendly software application developed by US EPA, Kansas State University Technical Assistance to Brownfields (TAB) Program, and CABEM Technologies. This tool can help you create or enhance your own site inventory. From entering new sites to managing and tracking existing sites throughout the Brownfields assessment, cleanup and redevelopment process, BIT helps you organize and improve your data work flow. In addition to Brownfields, data for other programs and initiatives can be integrated. Capabilities include importing, exporting, and mapping which facilitate collaboration with project partners and contractors on- and off-site. To address grant reporting, it also contains an interface with EPA's Assessment, Cleanup and Redevelopment Exchange System (ACRES).

Presenters: Oral Saulters and Mickey Hartnett, KSU

Details: This presentation will cover various funding mechanisms available through US EPA's Brownfield Program that help Tribes address contaminated and potentially contaminated brownfields sites on their lands. We will briefly discuss the definition of Brownfields property, the type of funding and technical support available (both competitive and non-competitive), how tribes can develop their own programs, and examples of successful projects on tribal lands. Expected outcomes for the session will be an increased understanding of US EPA's Brownfields program and the development of a relationship with US EPA staff members, and a better understanding of how to write a competitive brownfield proposal.

Presenters: Jose Garcia, USEPA Region 9 and Rachel Lentz, USEPA OBLR

Open Office Hours with Office of Superfund Remediation and Technology Innovation, Federal Facilities Restoration and Reuse Office, and Office of Emergency Management ~ Greenway Room F-G ~

Details: This special Office Hours will provide attendees with the opportunity to have an informal conversation with senior staff from EPA's Office of Superfund Remediation and Technology Innovation (OSRTI), Federal Facilities Restoration and Reuse Office, (FFRRO), and Office of Emergency Management (OEM).

Presenters: Jim Woolford, Director of OSRTI; Dana Stalcup, Director of EPA's Assessment and Remediation Division (ARD) in the Superfund Program; Doug Ammon, Chief for the Site Assessment and Remedy Decisions Branch within OSRTI; Victoria van Roden, Resources Management Division Director, OEM; Charlotte Bertrand, Acting Director, FFRRO

Please Note: There will be a "Meet and Mingle" networking opportunity from 5:30 to 6:30 pm at the Prairie Bar, down on the first floor of the Hyatt Regency. This will be a great opportunity to continue the conversation in an informal manner.

From Discovery through Cleanup: Three Tribal LUST Sites located within Pine Ridge, Ohkay Owingeh, and Lac du Flambeau Reservations ~ Minnehaha ~

Details: This panel discussion will feature LUST Case Studies from three Tribal Communities. Experience from contamination discovery through cleanup will be shared from Tribal Staff representing the Ohkay Owingeh Tribe, the Oglala Sioux Tribe, and the Lac du Flambeau Tribe.

Presenters: Naomi Archuleta, Ohkay Owingeh Tribe Environmental Department; Randy Bettelyoun, Oglala Sioux Tribe Environmental Protection Department; and Kristen Hanson, Lac du Flambeau Tribe Environmental Response Program

Moderator: Randy Bettelyoun, Oglala Sioux Tribe Environmental Protection Department



Detailed Agenda ~ Wednesday, August 19



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

Tribal Water Quality Indicator Measure SPI4(b)

~ Regency Room ~

Details: SPI4b is an indicator measure that was developed to show the protection and maintenance of water quality at tribal monitoring stations, over a two year period. The United South & Eastern Tribes (USET), with support from the National Tribal Water Council (NTWC), and the US EPA, have developed an outreach presentation to increase tribal participation, which will be presented by USET's Senior Project Coordinator, Steve Terry. In addition, the US EPA will provide a brief SPI4b overview in support of the national presentation, provide a demonstration of the SPI4b excel analysis tool, and finish with a group discussion to reflect on the implementation of the measure for 2014-2015, to inform the inclusion of the measure into the 2018-2021 strategic plan.

Presenters: Steve Terry, USET and Laura Shumway, USEPA

Moderator: Ken Norton, Hoopa Valley Tribe and National Tribal Water Council chair

Ensuring the Built Water Infrastructure Lasts

~ Skyway Room A-B ~

Details: Proper operation and maintenance of drinking water and wastewater systems is a critical for maintaining sustainable infrastructure. To help tribes manage their drinking water and wastewater systems, EPA through its contractor, the Horsley Witten Group, will present an overview of its two day training program on Water and Wastewater Operation, Maintenance and Management. The session will focus on utility management and all that goes into operating a sustainable utility, including discussions on the following topics:

- Understanding the attributes of a good utility leader;
- An overview of the asset management planning process that can be used to plan for future upgrades in a sustainable manner
- A discussion of EPA's tools for effective utility management for small systems; and

A brief asset management exercise to demonstrate the value of asset management and capital improvement planning.

Presenter: Mark Nelson, Horsley Witten Group

When Culture and Cleanup Collide: the Mineral Hill Story AND

NRD and Cultural Restoration of the St. Regis Mohawk Tribe

~ Greenway Room I-J ~

Details: When the PCP/diesel spill occurred at the Tribal facility in 1980, it seemed reasonable to landfarm the contaminated soil at remote Mineral Hill. Unfortunately, 30 years later the soil was still contaminated yet in the interim, perceived value of the Mineral Hill area for traditional uses eclipsed its worth as a cheap and convenient hazardous waste dump. However, the regulatory path of least resistance was no longer available as any landfarm disturbance would now trigger the full force and effect of RCRA. So be it. This is a story of culture over contamination and restoration over redevelopment.

Presenter: Donald Hurst, Confederated Colville Tribes

Details: The Saint Regis Mohawk Tribe announced on March 27, 2013 a \$19.4 million settlement with Alcoa Inc. and Reynolds Metals Company for injuries to natural resources, recreational fishing, and Mohawk culture. Alcoa Inc. (Alcoa West), Reynolds Metals Company (now Alcoa East) and the former GM Central Foundry plant are located in Massena, NY, adjacent to Saint Regis Mohawk Tribal lands, and released polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs), aluminum, fluoride and cyanide into the St. Lawrence River environment in the 1950s. The natural resource trustees, including the Saint Regis Mohawk Tribe solicited restoration project ideas and developed a restoration plan to address injured natural and cultural resources and address lost human uses of natural resources, such as recreational fishing. The name we chose for our Ahkwesáhsne Cultural Restoration (ACR) Program in our language is "Áse Tsi Tewá:ton" which means "make it new again". This name and its meaning describe what we are doing for Mohawk culture through the program; we are making it new again, and bringing new life to our traditions and cultural practices and strengthening the connection of our people to the land. The main component of "Áse Tsi Tewá:ton" is the Cultural Apprenticeship Program which is a four-year program in traditional, land-based, cultural practices. "One of the most important aspects of this settlement is to understand the relationship between the environment and Mohawk culture, society and our economy," said Saint Regis Mohawk Tribal Chief. "It's the most important relationship for any tribe, not just the Mohawks. This settlement gives us the opportunity to restore some facets of that relationship to contemporary Mohawk culture, especially in terms of the relationship between elders and younger community members."

Presenter: Amberdawn LaFrance, St. Regis Mohawk

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



Detailed Agenda ~ Thursday, August 20

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

A GIS Approach to Assessing Groundwater Threats from Open Dumps AND

WSTARS Made Easy - Entering an Open Dumpsite In the IHS Database From Start to Finish
~ Greenway Room A-B ~

Details: We will look at the high threat open dumps on the Lac Du Flambeau Reservation (Wisconsin) through GIS and attempt to develop an assessment tool for prioritizing cleanup.

Presenters: Kristen Hanson, Lac du Flambeau Band of Lake Superior Chippewa and Craig Dufficy, USEPA

Details: We will be going through the IHS WSTARS database and actually enter a test dumpsite live online to see how it all looks and works. This will be an interactive training where participants will be able to follow along, provide input and see how it's done from start to finish. Afterwards tribal attendees should feel more comfortable getting their own username and password and taking ownership of their open dump data in the main database that both EPA and IHS use to track dumpsites on tribal lands.

Presenter: Roger Hancock, USEPA Region 6

Moderator: Virginia LeClere, Prairie Band of Potawatomi Indians and TWRAP Steering Committee member

Tribal Superfund Working Group (TSFWG) Meeting

~ Greenway Room F-G ~

Details: This meeting of the TSFWG will include welcoming remarks from the directors of the Office of Superfund Remediation and Technology Innovation and Federal Facilities Restoration and Reuse Office, as well as an update on the vapor intrusion guidance. This will be followed by a discussion of the assistance ITEP is providing to the TSFWG, including plans for upcoming trainings and conference call. ITEP is looking forward to hearing from the TSFWG about their needs for training and potential sites for future training courses—so be ready to come with your ideas!

Presenters: Jim Woolford, Director of OSRTI; Charlotte Bertrand, Acting Director of FFRRO; Todd Barnell, ITEP; and Julie Jurkowski, ITEP

Moderators: Todd Barnell and Julie Jurkowski, ITEP



Oil and Chemical Spills 101 with USEPA's Office of Emergency Management ~ Greenway Room D-E ~

Details: This panel presentation will include EPA Office of Emergency Management (OEM) Headquarters and Regional staff who have extensive experience in emergency management related topics, including tribal coordination, Spill Prevention and Control and Countermeasures, Oil Facility Response Plans, Area Planning, Regional Response Teams and chemical facility regulations and enforcement. The panel would like to have a discussion with the attendees about everyone's various roles and responsibilities, tribal participation, as well as the resources that EPA/OEM can provide for tribes. Participants will have a better understanding of what EPA and tribes can do together to build capacity for emergency management in Indian Country. A basic understanding of the Incident Management System will be helpful, however the presentation will cover oil and chemical spills from discovery and notification, incident command, mitigation, cleanup process and policies.

Presenters: Nick Nichols, Sonia Vega, and Victoria van Roden, USEPA

NOTES:

Detailed Agenda ~ Thursday, August 20



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

Mini Training on LUST Assessments ~ Minnehaha ~

Details: This interactive session will outline the process of LUST site investigation and cleanup beginning with site discovery through site assessment, cleanup, and eventual closure. Discussion topics include project planning, regulatory requirements, developing a scope of work and a conceptual site model, contracting, sampling design and methodology, sample analysis, cleanup strategies, and clean vs. risk-based site closures.

Presenter: Rob Rau, USEPA Region 10

Waters of the Ak-Chin: Tracking and Managing Water Quality Issues ~ Regency Room ~

Details: Through the use of maps, data charts, and photos of surface water quality activities within the Ak-Chin Indian Community, this session will describe surface water sources, and provide a review of water quality data, flood control issues, invasive plants, and animal life around surface water sources. Benefits to the Community for keeping water sources managed will also be discussed.

Presenter/Moderator: Dale H. Ohnmeiss, Ak-Chin Indian Community

Adapting to Climate Change AND Alaskan Tribes Making a Difference ~ Greenway Room I-J ~

Details: Tribes are among those most severely impacted by climate change, to a large extent because of their deep connection and reliance on the natural environment. There has been a growing interest among tribes in climate change issues and planning for climate change impacts. Across the country, tribes have been assessing their vulnerabilities to climate change impacts and developing adaptation strategies. This session will start with a short (11 minute) video, "Adapting to Change" (<https://www.youtube.com/watch?v=LxocTr2bj4&feature=youtu.be>), that was produced by the Institute for Tribal Environmental Professionals with assistance from a graduate student in Northern Arizona University's School of Communication. The filming occurred at ITEP's Climate Change Adaptation training in September 2014 in Portland, OR, and highlights climate change impacts on tribes and their resources in the Pacific Northwest and Alaska, adaptation, and the training. This will be followed by a presentation of short case studies featuring tribes across the United States that have developed climate change adaptation plans.

Presenters: Sue Wotkyns, Institute for Tribal Environmental Professionals and Michael Durglo, Confederated Salish and Kootenai Tribes

Details: Collaboration goes a long way. The Native Village of Kivalina works jointly with the City of Kivalina and other regional entities to address the issues from erosion of the 500 ft wide x 8 mile barrier island, which lead to planning for an evacuation road. The village is at risk of flooding from an ocean storm surge and have nowhere to escape to if such an event occur.

Presenter: Millie Hawley, Native Village of Kivalina

Turning Water Quality Data into Lake-Specific Nutrient Standards AND

Free Water and Wastewater Utility Resources for Emergency Preparedness ~ Skyway Room A-B ~

Details: The Fond du Lac Band is developing biological and nutrient criteria for reservation waterbodies, based upon data collected through our monitoring program since 1999. Ecoregional nutrient criteria promulgated by the state are not reflective of natural, healthy condition in many of our lakes, which tend to be shallow, stained, and have wetland-dominated watersheds. We are proposing lake-specific nutrient criteria for our primary fisheries lakes, based upon a biopredictive modeling approach that identified nitrogen and phosphorus concentrations which reflect current, relatively unimpacted conditions, validated through analysis of multiseasonal algal community data.

Presenter: Nancy Schuldt, Fond du Lac Band of Lake Superior Chippewa

Details: Natural disasters and other threats can pose risks to water and wastewater utilities, causing disruptions in service that can greatly affect community health and safety. The United States Environmental Protection Agency (U.S. EPA) is responsible for promoting infrastructure resilience within the Water Sector. In this role, U.S. EPA's Water Security Division offers free resources for water and wastewater utilities, and the communities they serve, to prepare for and respond to emergencies. This session will inform participants about the newly available resources and how they can be accessed. The highlighted resources will include Community-Based Water Resiliency, Fed FUNDS, Flood Resilience Guide, Water Utility Response On-The-Go Mobile Website as well as other tools. The speaker will inform participants on the purpose of each tool, how it can be accessed as well as an overview of the functionality.

Presenter: Nushat Thomas, USEPA

Moderator: Jerry Pardilla, USET



Detailed Agenda ~ Thursday, August 20

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

**Paying It Forward: Recycling at the Poarch Band of Creek Indians
AND
Salt River Environmental Compliance through Collaborative Education and Outreach
~ Greenway Room A-B ~**

Details: A discussion of the Poarch Band's recycling efforts and their application to e-waste and household hazardous waste management will demonstrate the long-term successes of Poarch's program and its leveraging of funding to bridge gaps from federal grantors.

Presenter: Ralph McCullers, Poarch Band of Creek Indians

Details: This session will present the attendees with information on building and maintaining a successful education and outreach component thru collaborative efforts with other tribal departments. Several annual events will be showcased. The skills the participants will learn include planning events and the do's and don'ts of keeping the momentum going for larger projects. This presentation would benefit tribal governments with limited resources and/or staff who are looking to enhance their environmental program (s) with an education and outreach component.

Presenter: Amy Miguel, Salt River Pima Maricopa Indian Community

Moderator: Virginia LeClere, Prairie Band of Potawatomi Indians and TWRAP Steering Committee member

**Operator Training Discussion
AND
UST Wrap-Up Discussion
~ Minnehaha ~**

Details: This session will focus on the new operator training requirements in EPA's recently issued underground storage tank regulations. Mark Barolo, the Deputy Director of EPA's Office of Underground Storage Tanks (OUST), will discuss the details of the new requirements and initiate a discussion to solicit input and feedback on how best to implement these new requirements in Indian Country.

Presenter: Mark Barolo, Deputy Director, USEPA Office of Underground Storage Tanks

Details: This session will begin with an opportunity for those involved in UST/LUST issues to have informal discussions with Carolyn Hoskinson, Director of U.S. EPA's Office of Underground Storage Tanks. Then we will discuss actions that may be taken in the following year based on discussions that have taken place during this forum.

Presenter: Carolyn Hoskinson, Director of OUST

**Tribal Centric Data Searches Using USEPA's Envirofacts and TRI Explorer Tools
AND
Safer Chemical Substitution Tools
~ Greenway Room D-E ~**

Details: This session will demonstrate how to use some EPA search tools to locate and in some cases summarize available EPA data within a 10 miles buffer surrounding Indian Country. The principle tool shown will be the Envirofacts multisystem search which identifies facilities within specific search parameters and includes links to the facility specific data submitted to EPA. TRI Explorer tool will also be demonstrated. TRI is the only Agency program which collects data on toxic releases to all media in a single report.

Presenter: Steve Witkin, USEPA

Details: Hazardous chemical usage in the business community results in risks to human health and environmental integrity, throughout the life cycle of the chemical. Elimination of the harmful chemicals can be difficult, as the substances often have specific purposes. Substituting a safer chemical, with the same performance characteristics, is sometimes possible, and there are numerous tools available to assist with evaluating and comparing safer chemicals. This presentation will provide an overview of hazardous chemicals in society, integrate the concept of Green Chemistry in hazardous material/waste reduction, and review a recently developed web resource that contains safer chemical substitution tools. Participants will become more knowledgeable about impacts of using hazardous materials, concepts of Green Chemistry and how it applies to sustainable production and consumption, and the availability of tools for safer chemical substitution. A basic understanding of chemistry would be beneficial.

Presenter: Jonathan Riven, UW Extension

**Tribal Superfund Working Group (TSFWG) Meeting
~ Greenway Room F-G ~**

Details: During this meeting Amy Garcia of the Pueblo of Laguna will be giving a case study on intergenerational tribal outreach strategy development, and Alex James of the Yakutat Tlingit Tribe will be discussing Federal Facilities issues in Alaska. Time will also be given for general information exchange from other members of the TSFWG.

Presenters: Amy Garcia, Pueblo of Laguna and Alex James Yakutat Tlingit Tribe

Moderators: Todd Barnell and Julie Jurkowski, ITEP

Detailed Agenda ~ Thursday, August 20



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

Kimâchipena: Force Multipliers for Communicating Changing Climate Strategies
AND
The Connection between Your Stuff and Climate Change
~ Greenway Room I-J ~

Details: We came together to build an early warning system that will allow tribes to manage resources and adapt to long and short term climate changes. Tribal partnerships with NOAA, High Plains Climate Center, Haskell University, National Institute of Drought Assessment, BIA, EPA and state entities will inventory, monitor and assess the impact of climate change as it relates to the tribes of Northeastern Kansas and their surrounding communities so that we can manage our environmental capital for the betterment of all.
Presenters: Mark Junker, Lisa Montgomery, Sac and Fox Nation of Missouri in Kansas and Nebraska

Details: We all know that driving, flying and heating our homes contribute to climate change. But did you know that the stuff we buy and use every day contributes just as much, and, even more, to greenhouse gases? In this session, you will learn about the connection between our stuff, climate and the environment. You will also learn about different tools to help reduce the climate and water impacts of materials both in the community and at home.
Presenter: Shannon Davis, USEPA Region 9
Moderator: Sue Wotkins, ITEP

Establishing Tribal Water Quality Programs Under USEPA's Indian Environmental GAP
~ Skyway Room A-B ~

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 presentation will cover the tribal water quality program capacities that can be established under GAP, and the relationship between GAP funds and other funds provided by EPA.
Presenters: Luke Jones and Jeff Besougloff, USEPA
Moderator: Felicia Wright, USEPA

Animal and Human Health at Risk from Algal Toxins in Our Water: Neurotoxins, Hepatotoxins, and Climate Change
AND
Miccosukee Water Resources Management: Linking TEK, Outreach, and Science to Protect Everglades Wetlands
~ Regency Room ~

Details: Several cyanobacterial species have the ability to produce cyanotoxins, which pose a threat to human health, especially for those that directly consume water and fish taken from a waterbody that is experiencing a high concentration of cyanobacteria, commonly called an algal bloom. This workshop will familiarize the participants with the appearance of a bloom and why it is important to Tribes. I presented this to the USET Natural Resources committee last year and was asked to teach repeat this in this forum by Steve Terry. I teach at level everyone can understand, so no special skill level needed.
Presenter: Barry Rosen, USGS

Details: The Everglades is the homeland for the Miccosukee Tribe of Indians of Florida. This presentation will focus on the challenges and successes of the Miccosukee Water Resources Department to protect Everglades wetlands. The speakers will present on a community-based science program and provide a case study on how standards have been developed to protect Tribal designated uses. Speakers will share their experiences with the Tribe's community outreach and scientific monitoring program known as the Everglades Study. This 33 year-old program combines traditional ecological knowledge (TEK) with systematic data collection. The second part of the presentation will transition into a discussion on how the Water Resources Department has used TEK and traditional science to develop Water Quality Standards for total phosphorous and wetland water levels. The desired outcome of this presentation is to provide Tribal Environmental Professionals with ideas on how to incorporate community-based science into environmental programs and develop scientifically defensible Clean Water Act standards.
Presenters: Marta Reczko, Miccosukee Tribe of Indians of Florida
Moderator: Steve Terry, USET

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Closing Plenary ~ Thursday, August 20

12:00 pm ~ 1:30 pmClosing Plenary 12:00 pm ~ 1:30 pm

Closing Plenary 12:00 pm - 1:30 pm

Please join us in the Nicollet Grand Ballroom from 12:00 pm to 1:30 pm for closing comments, the final raffle drawings, and some light refreshments.

Thank you all for joining us at this fifth forum. We hope your experience was filled with beneficial conversations, and useful information, and that you return home with some new ideas.

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
Mehrdad Khatibi, Director

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

Roberta Tohannie, Program Coordinator Sr.
Melinda Yaiva, Accountant
Connie Davis, Accounting Assistant

Speaker Bios



Tina Alvarado Arnold is an Assistant Regional Counsel in the USEPA Region 6 Office of Regional Counsel, in Dallas, Texas. In this role, she serves as the tribal law advisor and cross-cutting law attorney for endangered species and cultural preservation. Prior to coming to EPA in 2010, she was in private practice focusing on administrative law and enforcement. She received her undergraduate degree in Environmental Studies from Texas State University and is a graduate of Vermont Law School.

Doug Ammon is the Chief for the Site Assessment and Remedy Decisions Branch within EPA's Office of Superfund Remediation and Technology Innovation. He has over thirty years of Superfund experience both in the public and private sectors. Doug has a B.S. and M.E. in environmental engineering from the University of Florida and is a licensed Professional Engineer.

David Anderson has 35 years of experience in the environmental field, including conducting investigations, inspections and remediation oversight at hazardous waste sites and petroleum underground storage tanks (UST) and above ground storage tank (AST) facilities throughout EPA Region 6

Nancy Arazan, US EPA Region 5, has worked in the tribal nonpoint source program since 2009, and has Master's degrees in Water Resources and Environmental Policy from Indiana University. Prior to joining EPA she led a life fending off injuries from fieldwork, sampling surface and groundwater, tracking red foxes and coyotes, and restoring native prairies.

Mike Arce is the Underground Storage Tank Compliance Assistance Inspector for the Oneida Environmental, Health & Safety Division. Mike is an enrolled Oneida Tribal member and has a BS from the University of Wisconsin- Green Bay in Environmental Policy and Planning. He is a state certified Underground Storage Tank Installer and Inspector. He has completed the EPA's Basic Inspector Training, Basic Underground Storage Tank Inspector Compliance Training, and is in the process of becoming a federally credentialed Underground Storage Tank Inspector. Additionally, he has assisted with the development of Oneida's Compliance Assistance Trainings for Owners and Operators of Underground Storage Tank Systems within Indian Country. Mike lives in Oneida with his wife and four sons.

Guy Archibald is the Mining and Clean Water Coordinator for the Southeast Alaska Conservation Council in Juneau, Alaska. He has 20 years' experience as an environmental chemist and microbiologist specializing on waste water characterization. He has worked for the mining industry in SE Utah and in western Colorado.

Andrew Baca is a policy advisor in EPA's American Indian Environmental Office (AIEO) in the Office of International and Tribal Affairs. Andrew works with federally recognized tribes as well as a variety of Federal, Tribal and EPA partner-

ship groups on policy and legal issues impacting EPA's Tribal Program. Before joining AIEO he was the Senior Tribal Program Coordinator for EPA's Office of Solid Waste and Emergency Response (OSWER). In OSWER he worked focused on tribal issues related to Superfund, RCRA, Underground Storage Tanks, Brownfields, Federal Facilities and Emergency Response. Andrew received a Bachelor of Science in Civil Engineering from New Mexico State University and a Law Degree from the University of Washington.

Todd Barnell joined the Institute for Tribal Environmental Professionals (ITEP) in 2002, working on environmental compliance inspector training and assisting Alaskan Native Villages with solid waste management. In 2006 he established the Tribal Solid Waste Education and Assistance Program (TSWEAP), which provides training, technical assistance, and mentoring activities for tribal solid waste professionals across the country. TSWEAP provides tribes with assistance in developing and implementing tribal ISWMPs, solid waste codes, and a variety of waste diversion strategies. In 2008, he and his terrific team at ITEP established the Tribal Waste and Response Assistance Program (TWRAP), which delivers the Tribal Lands and Environment Forum, among other activities. Todd received undergraduate degrees from Indiana University in both journalism and geography. Prior to joining ITEP, he worked for The Nature Conservancy, on a climate change project, and as a publicity specialist for the IU School of Music. When not on the job, you can find him birding, cooking, gardening, or just relaxing with his partner and two cats.

Janice Bartlett began working at the EPA Region 5 Office, in 1985 in the Superfund Division. In 1996 she joined the Water Division, Ground Water and Drinking Water Branch, where she works with Tribal public water systems on Source Water Protection and compliance with the Drinking Water Regulations.

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.

Brian Bennon is the Tribal Water Systems Program Manager at the Inter Tribal Council of Arizona, Inc. (ITCA) located in Phoenix, Arizona. Brian oversees the activities of the ITCA Tribal Water & Wastewater Operator Certification Program and the ITCA Tribal Compliance Assistance Program (TCAP), as well as secures continued grant funding for those programs. Brian holds a Bachelors of Science degree in Hydrology & Water Resources from the University of Arizona. Over the past 18 years, Brian has been working directly for Tribes in managing & protecting Tribal water resources.



Speaker Bios

Charlotte Bertrand is currently the Acting Director of EPA's Federal Facilities Restoration and Reuse Office (FFRRO). She originally joined the office as the Deputy Director in August 2012. Prior to joining FFRRO, Ms. Bertrand served as a Senior Policy Analyst in the EPA's Office of the Administrator, Office of Policy providing over a decade of service on significant EPA regulatory and guidance actions for all EPA programs. She has also served as the Acting Director for the EPA's Regulatory Management Division, as a Special Assistant to the EPA Administrator, and Environmental Scientist performing risk assessments for the EPA's Office of Solid Waste. Before joining the Agency, she gained Federal Facility clean up experience as a contractor at DOE's Oak Ridge National Laboratory and as a contractor to the Air Force Center of Environmental Excellence. Ms. Bertrand has a Master of Science in Environmental Science and Policy from Johns Hopkins University, a Master of Science in Safety Engineering from Texas A&M University, and a Bachelor of Science in Industrial Engineering from Texas A&M University.

Jeff Besougloff 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.

Randy Bettelyoun 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.

Shane Bowe received his M.S. in Biology at Bemidji State University in 2006 studying seasonal wetland ecology. He has spent the last 9 years as a biologist for the Red Lake Band of Chippewa Indians in Red Lake Minnesota. His current projects include studying shallow lake ecology, monitoring of lakes and streams, and various nonpoint source pollution projects.

Greg Bowles, PE, is a Water Resources Engineer specializing in hydrology and hydraulics and construction management. He led the design and construction management phase to construct the new dam on the Rum River and cut down Buckmore Dam to restore water levels to Lake Ogechie. With 18 years of experience, his project experience includes hydrology analysis, stream and riverbank stabilization, rain garden design, bioretention basin design, underground storm-water storage design, Storm Water Pollution Prevention Plans (SWPPPs), and pond design. He regularly leads projects from feasibility to construction, improving water quality for clients across the region.

Kevin M. Brackney is an Idaho Registered Professional Geologist and a Certified Ground Water Professional, National Ground Water Association. He received a M.S. Degree in Hydrology from the University of Idaho in 1992 and a B.S. in Geology from Ft. Lewis College, Durango, Colorado, in 1978. He has a total of 23 years of professional experience as Hydrogeologist including 14 years working on environmental protection and restoration for the Nez Perce Tribe and 9 years conducting groundwater bioremediation research with U.I. Kevin also worked for 12 years as an Exploration and Mining Geologist in 12 states with a primary focus on precious and base metals. He is an active backcountry skier, whitewater rafter, swimmer, hiker, and has a love of nature.

Scott Bulgrin currently works for the Pueblo of Sandia Environment Department as their Water Quality Manager. Scott has worked for the Pueblo of Sandia 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). Prior to working for the Pueblo of Sandia, Mr. Bulgrin worked for the City of Albuquerque Biological Park, the U.S. Fish & Wildlife Service, St. Johns County Environmental Laboratory, and the Florida Department of Environmental Protection. Scott has over twenty- three (25) years experience in the environmental field. Mr. Bulgrin has a Bachelor of Science in Marine Biology/Biology/Chemistry and a Masters of Science in Biological Oceanography.



Perry Bunting is the Environmental Programs Manager for the Mille Lacs Band of Ojibwe Department of Natural Resources and Environment. He is the Band's project manager for the Wild Rice and Habitat Restoration Project on Lake Ogechie who coordinated the construction phase of the new dam on the Rum River and will organize the modification phase of the existing Buckmore Dam. Perry has 23 years of experience as an aquatic biologist with the Mille Lacs Band working on projects such as Mille Lacs Lake Long-Term Trend Analysis, Mille Lacs Regional Wastewater Project, and Rum River Watershed Restoration and Protection Project (WRAP). He sits on the technical committee for the Mille Lacs Lake Watershed Management Group and is also an EPA credentialed stormwater inspector.

A. Shawn Chato is the Water Quality Coordinator, Office of Environmental Affairs for Santa Clara Pueblo. He received his B.S. in Civil Engineering from Washington State University. He has worked with SCP-OEA for the past 4 years and manages Water Quality projects on Pueblo lands, monitoring activities & coordinates sampling events.

Margaret Chavez is the Senior Environmental Specialist for Eight Northern Indian Pueblos Council Office of Environmental Technical Assistance. She has over 20 years in the tribal environmental and natural resources fields. She has experience with indoor air issues, wetlands, NEPA, RCRA (subtitles C, D, and I), CAA, CWA, Brownfields, IGAP, and the SDWA. She has worked extensively on various projects and outreach to all Pueblos and Tribes in NM, as well as Ysleta del Sur Pueblo in El Paso, TX. Her knowledge of Tribal traditions and culture lends to the success of her projects. She also has experience managing mentoring programs and meeting facilitation. She has collaborated with all the Pueblos and Tribes in NM for a Tire Removal Project and Freon Recovery Project, both funded by NMED Solid Waste Bureau.

Esteban D. Chiriboga has a B.A. in Geography and Geology from Indiana State University and a M.S. in Geography from the University of Wisconsin-Madison. He has worked as the environmental specialist for the Great Lakes Indian Fish and Wildlife Commission (GLIFWC) office in Madison, Wisconsin for the past 17 years. Project experience on mining issues includes the technical review of proposed mining projects with an emphasis on the identification of their impacts on tribal traditional lifeways and the natural resources that the traditional lifeway depends upon. Cumulative effect of mining, impacts to wetlands, water quality and water quantity in surface and groundwater are a particular focus. Other projects include the identification of potential mine sites in the ceded territories of Michigan, Minnesota and Wisconsin; mapping of fish spawning sites and mine wastes in Lake Superior; mapping wild rice waters; development of tribal fish contaminant databases and fish consumption advisory maps for mercury; development of methods and data for tribal involvement in FERC dam re-licensing process; mapping of the known extent of aquatic invasive species infestation in Minne-

sota, Michigan and Wisconsin; Mapping of Ojibwe language place names; and assessing the effects of climate change on treaty resources.

Ann Marie Chischilly is the Executive Director at the Institute for Tribal Environmental Professionals (ITEP), Northern Arizona University. She is responsible for overseeing ITEPs work with Northern Arizona University, state and federal agencies, tribes and Alaska Native villages.

Damaris Christensen is an Environmental Protection Specialist with EPA's Wetlands and Aquatic Resources Regulatory Branch in the Office of Wetlands, Oceans, and Watersheds. Damaris has worked with issues of where the Clean Water Act applies for a number of years, primarily focusing on state, local and tribal outreach for development of guidance and rulemaking related to "waters of the US" under the Clean Water Act.

Mary Cooke is an Environmental Scientist in EPA's Federal Facilities Restoration and Reuse Office (FFRRO) in the Office of Solid Waste and Emergency Response (OSWER). Mary is the FFRRO lead for Emerging Contaminants, Vapor Intrusion, Base Realignment and Closure and Site Assessment. She is also the FFRRO point of contact for Native American Indian Tribes. 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

Anne Dailey is currently an environmental scientist in the EPA Headquarters Superfund Program. Anne has been in the EPA Headquarter since 2011 working on various aspects of Superfund remedy implementation including groundwater issues and climate change adaptation. She also serves as Superfund tribal coordinator and the national Superfund completions coordinator. For the previous 20+ years, she was in the EPA Region 10 office in Seattle. While in Region 10, she was a Superfund Remedial Project Manager for more than 12 years and also worked for more than 10 years in the Water program. She has a BS in Geology and a MS in Oceanography.

Glenn Daukas is a Senior Geologist and Project Manager with Campbell Environmental Group. He has over 32 years of professional experience in environmental consulting and engineering for private, State, and federal clients. Mr. Daukas currently provides Brownfields 128(a) Tribal Response Grant and 104(k) ARC Grant consulting services to two Maine tribes, the Passamaquoddy Pleasant Point Tribe and the Penobscot Indian Nation. He has supported the Passamaquoddy's for the past seven years and the Penobscot Indians for the last five years. Mr. Daukas has also successfully supported client's Brownfields grant application efforts resulting in the award of over \$3.0 million grant dollars in the State of Maine.



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Shannon Davis 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.

Mark Deutschman, Ph D, PE, is known for his innovative concepts for complex aquatic restoration projects. He has 30 years of experience in biological, ecological and natural resource management and has completed several ecological restoration projects. Most recently, these projects include the restoration of Lake Ogechie for wild rice and the restoration of Lake Christina to improve habitat for waterfowl. He leads large and diverse stakeholder groups through discussions necessary to establish design criteria for ecological restoration projects. His rather unique background with graduate degrees in both the aquatic sciences and engineering give him special insight into the challenges associated with ecological restoration projects.

Richard Du Bey, Short Cressman & Burgess PLLC, focuses his practice on environmental and natural resources law and tribal government matters, with an emphasis on environmental regulation and litigation, water and natural resource law, 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, brownfield development, and tribal economic development. Richard chair's the firm's Tribal Government Practice Group.

Craig Dufficy is the lead Environmental Engineer on the landfill development for the United States Environmental Protection Agency. He has been with the Agency for more than 12 years and is responsible for developing new Federal regulations on the design and operation of convention and bioreactor landfills in the United States. He oversees the development of training classes for landfill operators through non-profit organizations and has served on technical advisory panels relating to landfill design, construction, operation, and closure technologies. Mr. Dufficy is the chairperson of EPA's bioreactor landfill work group that is currently reviewing experimental bioreactor landfill results for future regulation revisions. He has been a team member for the National research Council of the National Academies on the Assessment of the Performance of Engineered Waste Containment Barriers and a panel member for technical guidelines for the Interstate Technology & Regulatory Council. In 2004 Mr. Dufficy was a keynote speaker for the 16th annual WASTEMINZ Conference in New Zealand, and in 2012 he was the U.S. representative at a multinational conference with the Dutch national Institute of Public health and the Environment officials evaluating the engineering characteristics of municipal solid waste landfill liners.

Charles Dunning is a supervisory hydrologist at the USGS Wisconsin Water Science Center where he oversees scientists involved in a range of hydrologic and hydrogeologic studies. He has 20 years of experience with the USGS working domestically and internationally in the field of water resources. He received his M.S. degree in Geology from Rice University, Houston, TX and his PhD in Civil and Environmental Engineering from University of Wisconsin-Madison.

Mike Durglo received his BS in Environmental Science from Salish Kootenai College in 2002. He is currently the Environmental Protection Division Manager for the Confederated Salish and Kootenai Tribes and is the Climate Change Planning Coordinator. Mike has worked for the Tribes for over 30 years in different capacities including Wildlife Conservation Officer, Tribal Councilman, Wetland Conservation Coordinator, and Regulatory Specialist. He serves as the Chairman on the Region 8 Tribal Operations Committee and is the Region 8 representative on the National Tribal Science Council where he is the Co-Chair.

Lloydell Marie "Suzy" Eagle Bull-Mesteth is the Director of the Environmental Protection Program for Oglala Sioux Tribe. Born and raised on the Pine Ridge Indian Reservation with her four siblings, she is the daughter of Lloyd and Evelyn Eagle Bull, wife of Perry Mesteth and proud mother of four and grandmother of four. After earning her Bachelor of Science in Education degree at Oglala Lakota College, she taught elementary school before turning to environmental programs administration. She loves her job because it gives her a chance to reach out to her people about environmental matters and concerns and to work with the Tribal Council.

Victoria Flowers has worked for the Oneida Tribe of Indians of Wisconsin since August of 2004, as an Environmental Specialist in the Brownfield Program. Prior to coming to the Tribe, she worked in the private sector as an environmental consultant. She has conducted over 200 Phase I Environmental Assessments, environmental site investigations, remedial action plans for petroleum release, dry cleaner and agricultural chemical release sites, and has developed Spill Control and Countermeasures Plans. Since working for the Oneida Tribe of Indians, she has been developing a Tribal Environmental Response Program using Brownfield 128(a) grant funding, an Underground Storage Tank (UST) Compliance Assistance Program, and has developed a database that tracks various environmental activities associated with tribal and federal funding. Additionally, she has provided input into a national measures workgroup for Brownfields, assisted in the development of peer to peer training materials for both Brownfields and USTs, is involved in a regional tribal workgroup that focuses on the impacts of hard rock mining and is a TWRAP National Steering Committee member.

Monte Fronk, Makwa Clan and Eagle Scout is a 27 year veteran of Tribal Public Safety Services. His path started as a Mille Lacs Band Tribal Police/D.A.R.E Officer and in 2000



when Tribal Nations were given the ability to create their own Tribal Emergency Management programs he was tasked with that responsibility with the Mille Lacs Band of Ojibwe's Department of Public Safety which led to him becoming a certified emergency manager both through Minnesota HSEM and IAEM. He is also a certified MN Firefighter II and Fire Instructor I, a MN EMT, American Heart Association CPR/AED/First Aid Instructor, Child Safety Seat Technician, and volunteers on the Central MN EMS CISM Team. His education path includes a Master's Degree in Public Safety Executive Leadership from St. Cloud State University.

Sarah Furtak is an Environmental Protection Specialist with EPA's Watershed Branch in the Office of Wetlands, Oceans, and Watersheds. Sarah has worked on Impaired Water Listing and TMDL issues for a number of years, including strategic planning, working as liaison to the EPA Region 1 office in Boston and Region 2 office in New York, coordinating with state and local government, addressing polychlorinated biphenyls and other bioaccumulative pollutants, collaborating with the Superfund Program, and working with tribes to provide more opportunities for tribes to fully engage in the Clean Water Act Section 303(d) Impaired Water Listing and TMDL Program.

Colleen (Amy) Garcia works as the Environmental Specialist for the Pueblo of Laguna - Environmental and Natural Resources Department. She received her Associates in Applied Science in Natural Resources Management and Environmental Science in May 2005 and has worked for the Pueblo for 8 years. Ms. Garcia has been awarded the Citizen Excellence in Community Involvement Award for assisting EPA personnel in assessment and removal activities, which included residential radiation surveys and cleanup of contaminated properties on the Pueblo.

Jose Garcia is a Project Officer with the Brownfields Program at US EPA in Region 9. He works primarily with Brownfield sites and tribes in Arizona and southern California. Prior to joining the Brownfields Program, Jose spent several years in working in the Superfund Division and with the US-Mexico Border Program.

Thomas Gardner, Ph.D., is an Environmental Scientist with EPA's National Water Quality Standards Branch in the Office of Science and Technology. Tom has worked on water quality standards related issues for a number of years, including conductivity, mountain top removal mining, water quality standards variances and endangered species. Tom is serving as the Regional Liaison for Regions 2 (Boston) and 7 (Kansas City), and has served as the Lead Instructor for the Water Quality Standards Academy. Prior to arriving at EPA Headquarters, Tom worked on point source discharge (NPDES) permits in Region 6 (Dallas) and on standards for the Nevada Division of Environmental Protection. He did his postdoctoral work at the University of Oklahoma.

Cindi Godsey earned a Bachelor of Science in Mining Engineering from Michigan Technological University and a Master of Business Administration from Northern Kentucky University. She worked in the mining industry for six years. She has been with EPA for the last 25 years in NPDES permits and compliance. She spent 19 years living in Alaska and working on primarily mining permits. In 2014, she relocated to the Seattle office. Cindi is the senior NPDES permit writer in Region 10 and has been a member of the Regional Mining Team since its inception in 1995.

Daniel Gogal is a Senior Environmental Protection Specialist with the USEPA, Office of Environmental Justice (OEJ), where he has served since June 1992. Mr. Gogal is the Tribal and Indigenous Peoples Program Manager for OEJ and the EPA Lead for International Human Rights Agreements. In these capacities he coordinates the EPA work with federally recognized tribes and indigenous peoples to address their environmental justice (EJ) concerns and the EJ concerns of others living in Indian country, as well as coordinates the US Government's response to environmental concerns raised within the international human rights context.

Tom Goldtooth is the Executive Director of the Indigenous Environmental Network, an organization which collaborates with approximately 250 indigenous communities focused on climate justice, energy, toxics, water, globalization and trade, and sustainable development. Mr. Goldtooth is a prominent spokesman on environmental justice issues, and was honored in 2010 by the Sierra Club and the NAACP as a "Green Hero of Color." He co-produced an award winning documentary, *Drumbeat for Mother Earth*, which discusses the effects of bio-accumulative chemicals on indigenous communities. He has represented the rights of indigenous peoples at the local, tribal, state, national and the international level, and engaged in UN treaty making bodies and conventions on persistent organic pollutants, global warming, biodiversity protection, mineral extraction, and water resources. For over 25 years, Mr. Goldtooth has worked to promote environmental justice, especially for indigenous peoples, as both affected peoples and as peoples who have ecological knowledge and wisdom which can help address the planet's ecological dilemmas.

Professor James Grijalva was law clerk at the United States Court of Appeals for the Ninth Circuit and a practitioner of law in Seattle, Washington. 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



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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).

Roger Hancock, Environmental Scientist EPA Region 6 Tribal Solid Waste Coordinator I graduated cum laude from the University of Texas at Arlington in January, 1993 with a degree in Geology and Business. After graduating, I went straight to work for EPA Region 6 in Dallas, TX, and have been here for 20+ years in several different programs. I started my career in RCRA and Superfund and then moved to the Water Division. Over the course of nine years there I served as a Nonpoint Source Project Manager, the Marine Debris Coordinator and a Wetlands Enforcement Officer. Next, I moved to the Brownfields Program and was the Revolving Loan Fund Coordinator. Lastly, I have enjoyed spending the last ten years as the Tribal Solid Waste Coordinator in the Multimedia Program where I provide technical assistance and outreach to the 66 federally recognized tribes in Region 6.

Kristen Hanson serves as the Environmental Response Program Coordinator and Environmental Specialist for the Lac du Flambeau Band of Lake Superior Chippewa Indians located in northern Wisconsin. Her work focuses on assessment and cleanup of contaminated sites. Kristen holds a Bachelor of Science degree in Geology from the University of Wisconsin, Eau Claire.

Dona M. Harris 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 of EPA’s Environmental Justice Policy for Working with Federally Recognized Tribes and Indigenous Peoples.

Mickey Hartnett of Envirofields consulting served as a tribal circuit rider for the USEPA Region 8 from 2004 to 2014 providing technical assistance and training to tribes for Tribal Response Programs/Brownfields, solid waste and emergency response. He also works with the Kansas State University technical Assistance to Brownfields (KSU-TAB) to provide technical assistance to tribes and rural communities on brownfield issues and grants. Prior experience includes 25 years with the USEPA 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.

Millie Hawley is the President of the Maniilaq Association. She served as the Environmental Manager 2008-2011, and as their Environmental Coordinator 2001-2007. She holds an AA Degree in Science and Public Health.

David Hayes received a bachelor’s of science degree in Environmental Management from Northeastern State University in 1995. From 1995 to 2004 David was the chief Radio-Chemist for Southwest Laboratories of Oklahoma. Since 2005 David has been working for the Inter-Tribal Environmental Council’s (ITEC) underground storage tank program encompassing 23 Tribes and 37 Tribal facilities in Oklahoma and Texas.

Kari Hedin is a Watershed Specialist with the Fond du Lac Band of Lake Superior Chippewa. She has a Masters Degree in Conservation Biology from the University of Minnesota.

Susan Hedman was appointed by President Barack Obama to be EPA Region 5 Administrator on Earth Day 2010. She directs EPA’s operations in the six-state Great Lakes region that includes Illinois, Indiana, Ohio, Michigan, Wisconsin, Minnesota and the reservations of 35 federally-recognized tribes. She leads a team of over one thousand scientists, engineers, lawyers, environmental specialists and administrative staff in the Region 5 Office. One of her most important roles is that of Great Lakes National Program Manager, in which she oversees restoration and protection of the largest freshwater system in the world. In that capacity, Susan chairs the Great Lakes Regional Working Group (comprised of the 16 federal agencies that work together to implement the Great Lakes Restoration Initiative) and co-chairs the bi-national Great Lakes Executive Committee (comprised of the federal, state, provincial, tribal and local governments that work together to implement the Great Lakes Water Quality Agreement.) She also served as head of the U.S. delegation that negotiated the 2012 amendments to the Great Lakes Water Quality Agreement. In 2014, President Obama appointed Susan to serve as a Commissioner representing the United States Government on the Ohio River Valley Water Sanitation Commission (ORSANCO). Before accepting the President’s appointment, Susan was environmental counsel and senior assistant attorney general in the Illinois Attorney General’s office, where she focused on litigation and legislation relating to environmental protection, energy efficiency, renewable energy, carbon capture technology and associated consumer issues. Previously, Susan was chief legal officer for the Geneva-based United Nations Compensation Commission tribunal that handled claims for environmental damage from the oil fires in Kuwait and releases of oil in the Persian Gulf, as well as the costs of de-mining and disposal of unexploded ordnance from the 1990 Gulf War. Susan has a Ph.D. from the Gaylord Nelson Institute for Environmental Studies, a M.A. from the La Follette School of Public Affairs and a J.D. from the School of Law at the University of Wisconsin. She has over 35 years of experience working on environmental and energy issues.

Jason Helgeson started working for the Leech Lake Band of Ojibwe’s Brownfields Program in the spring of 2009. Prior to that, he worked in a lab analyzing surface and groundwater samples. Jason received his bachelors and masters education



from Bemidji State University, located in Northern Minnesota. In April of 2011, the Leech Lake Brownfields Program received an EPA Brownfields Recognition Award for the "Successful Cleanup of Onigum Parish Hall" involving enforcement of tribal law on a non-tribal entity.

Lynn Hood is an Environmental Scientist with US EPA Region 10. Lynne has over 10 years of experience reviewing NEPA documents for federal land management projects including mine proposals. Her background is in soil sciences with post-baccalaureate class work in geochemistry. She is passionate about educating the public, tribes, and stakeholders about effectively engaging in the NEPA process. She has provided numerous trainings across the region to Tribes and others on NEPA and Mining. Lynne also participates in national initiatives related to ensuring that adequate financial assurance is established for mine operations.

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.

Don Hurst is manager of the Colville Confederated Tribes Toxics Cleanup Program since 2004. He is a Registered Geologist with BS, MS, and ~30 years of experience in environmental investigation and remediation. Mr. Hurst lives in Incheilum, Washington on the Colville Reservation.

John Irizarry, XMNR, is the National Tribal Drinking Water Programs Coordinator at EPA's Office of Ground Water and Drinking Water, Drinking Water Protection Division. John has a background in Environmental Sciences focusing on Water Resources; and Natural Resources and Sustainability. John has worked with EPA for the last 9 years, prior to that he worked with USDA NRCS and USDA Forrest Service.

Quinton Jacket, Native American, worked in corporation and industry for 26 years, (OHS & MSHA) regulations. Background training includes Instructor training, Inspector (oil & gas), Asbestos certifications - Bldg inspector, management planner, contractor/supervisor, OSHA work classification I,II, III and IV certifications, PCB, underground tank inspector and hazardous waste determination and HAZWOPER training.

Ted Jacobson has been working in the solid waste industry for over 22 years with eight years directly involved with assisting rural tribal villages with human and environmental

health issues. He has been an instructor, presenter, and resource during numerous environmental conferences in Alaska including the Alaska Tribal Conference on Environmental Management, Alaska Forum on the Environment, and regional environmental and science events during the last eight years. I have been a presenter at four EPA regional tribal conferences and two National Tribal Environmental Lands Forums.

Alex James is the environmental program manager for the Yakutat Tlingit Tribe. He lives in Yakutat, Alaska and works, fishes, and hunts throughout the usual and accustomed areas of the Tribe. Alex manages planning and on-the-ground removal actions and cleanup work performed by trained and qualified Tribal members. This work is supported by the U.S. Department of Defense (DoD) Native American Lands Environmental Mitigation Program (NALEMP) and EPA Tribal Response Program. Alex brings several years of experience in construction management and conducting work in the forests of Southeast Alaska. During the past five years, Alex has accomplished a series of successful removal actions and site investigations that have contributed to the cleanup of Tribal lands and protection of Tribal resources.

Denise Jensen has been the Water Quality Specialist for the Environmental Protection Department, Winnebago Tribe of Nebraska for 14 years. Education includes Associates Degree in Medical Laboratory Technology and Bachelors Degree in Biology. Established and maintain a Physical, Chemical and Biology Surface Water Monitoring Program.

Luke Jones is a Senior Advisor to EPA's tribal program and leads the "Grants and Technical Assistance Team" for EPA's American Indian Environmental Office. His work includes administering the Indian Environmental General Assistance Program (GAP) - the single largest source of EPA funding for tribal environmental programs. He previously served as Director for the EPA Region 5 Indian Environmental Office. Before joining EPA in 1999, Luke worked for the U.S. Department of Defense Native American Lands Environmental Mitigation Program, the National Tribal Environmental Council, and the U.S. Department of Energy's Office of Environmental Management tribal programs. 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).

Shannon Judd has served as the Environmental Education Outreach Coordinator (EEOC) for the Fond du Lac Band of Lake Superior Chippewa for the past eight years. As EEOC, she conducts community outreach activities on natural resources, climate change, recycling, waste reduction and pollution prevention, proper solid waste management, renewable energy and other environmental issues. She works closely with the Fond du Lac Solid Waste Program to help streamline operations and reduce waste.



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Mark Junker is the Tribal Response Coordinator for the Sac and Fox Nation.

Julie Jurkowski joined the Institute for Tribal Environmental Professionals (ITEP) in 2014 and works on both the Tribal Solid Waste Education and Assistance Program (TSWEAP) and Tribal Waste and Response Assistance Program (TWRAP). Julie was born and raised in the Midwest and has spent most of her adult life traveling and working in, and for, the protection of the natural environment. She came to Arizona in 2008 to complete her Bachelor's degrees at Prescott College. After she worked in northern California helping to create a Green Business Program and implement energy efficiency programs she returned to Arizona to complete a MS in Climate Science and Solutions from Northern Arizona University and make Flagstaff her home. Before joining the ITEP team, Julie worked for the Office of Sustainability at Northern Arizona University and as a backpacking guide in Grand Canyon National Park. She is passionate about environmental responsibility and has done work ranging from studying jaguar populations throughout the U.S. and Mexico border wall regions to researching energy policy to help determine new markets for renewable energy credits. She brings multiple years of experience in energy efficiency work, green building consulting, conference organization, and project coordination. When she is not working, you can find Julie outdoors hiking one of the many trails in the Grand Canyon or at home cooking and hanging out with her dogs.

Tim Kent, PG is the Environmental Director of the Quapaw Tribe of Oklahoma and is a registered professional geologist in several states. He has over 20 years experience in environmental consulting and managing environmental projects. He manages all environmental programs, including air quality, Superfund, and solid waste to name a few. Tim has served as the vice-chair of the TWRAP Steering Committee, been involved in the Tribal Superfund Working Group and Tribal Science Council, and has presented at numerous tribal conferences.

Janet N. Knox is a LG and Principal Environmental Geochemist for the Pacific Groundwater Group. Ms. Knox brings over 30 years of experience in the investigation and remediation of soil, sediment, groundwater, and surface water. A recognized leader in regulatory strategy, she has ushered simple and complex projects to closure, helping clients navigate regulations to obtain project approvals. Ms. Knox is innovative, using investigative and remedial tools such as chemical forensics, fingerprinting, congener statistics, contaminant loading calculations, remediation levels, presumptive remedies, and property-specific No Further Actions. She provides expert and fact witness services, effectively supporting legal defenses with thoughtful, well-founded rationale. As a project manager, she is a responsive, clear communicator and has facilitated large groups of stakeholders for project success.

Westen Knudsen is the Solid Waste Coordinator for the IHS Great Plain Area Office in Aberdeen, South Dakota. He provides technical assistance to the Tribes in matters concerning solid and hazardous waste. In the past three years as the solid waste coordinator, he has authored several Preliminary Engineering Reports, provided technical assistance to SW Utilities and Tribal Environmental Departments, organized a Manager of Landfill Operations Training, and coordinated numerous OSHA trainings. Westen graduated from Montana State University in 2002 with a bachelor's degree in Chemical Engineering and is a licensed engineer. Before becoming the Solid Waste Coordinator, Westen was a staff engineer at IHS primarily doing water and wastewater improvements.

Karin Koslow is the Deputy Director of EPA's American Indian Environmental Office (AIEO).

Victoria (Sissy) Kotongan grew up in Unalakleet, Alaska. She graduated high school from Unalakleet Schools and went on to get a bachelor degree in Mathematics from Fort Lewis College. Victoria is the Environmental Specialist for the Native Village of Unalakleet and manages the Native American Lands Environmental Mitigation Program (NALEMP) cooperative agreement, and assists with the IGAP (Indian General Assistance Program) grant. She currently serves on the National Tribal Caucus and is the vice-chair of the TWRAP Steering Committee. In her free time Victoria adores being out in the country and doing craft work. She loves fishing, hunting, and trapping.

Charles Kovatch is the STORET Team Leader at the USEPA Office of Water. STORET is the Agency's repository for water quality data. All data shared through STORET are made available via the Water Quality Portal.

Craig Kreman is an Environmental Engineer with the Quapaw Tribe Environmental Office. He has a Masters degree in Civil Engineering with an emphasis in Environmental Engineering. Mr. Kreman has worked for the Quapaw Tribe Environmental Office since September 2013 and is engaged in various grant programs within the office, including Superfund, Water 106, 319, Air 103, and GAP.

Katherine Kruse has been a member of the TWRAP Steering Committee since its inception in 2009. She has been employed with the Keweenaw Bay Indian Community (KBIC) since September of 2006 as an Environmental Response Program Specialist. Katherine's responsibilities include coordination and development of the Tribal Response Program (TRP) for KBIC. The TRP incorporates elements of solid waste, hazardous waste, brownfields, and emergency response. Prior to her employment with the Tribe, Katherine completed her Master's Degree at Michigan Technological University with a M.S. in Environmental Policy.



Kathleen Kutschenreuter is an Environmental Scientist with the U.S. Environmental Protection Agency's (EPA) Office of Water Headquarters in Washington D.C. She has 20 years of domestic and international experience in the areas of environmental research, policy, program development and management, capacity building, communications, and outreach/education. 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 level environmental protection and restoration efforts. She holds a Master of Environmental Management from Duke University and two B.S. 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 open water diver and an avid photographer.

Amberdawn Lafrance has served as the St. Regis Mohawk Tribal Brownfields Coordinator since 2010. From 2008-2013 Ms. Lafrance had served as the Database Administrator for the Natural Resource Damage Assessment Program and since 2013 as Office Manager for the Cultural Restoration Program.

Andrew Leaf is a hydrologist at the Wisconsin Water Science Center. He received his bachelor's from Gustavus Adolphus College, and M.S. degrees in Hydrogeology and Water Resources Management from UW-Madison. Prior to the USGS, he worked in the environmental consulting field in Seattle. His current work at the Wisconsin Water Science Center focuses on numerical modeling to address questions of water availability, groundwater flow paths and groundwater-surface water interactions.

Mark LeBaron is a senior systems analyst with more than 21 years of hands-on experience building and integrating information systems. Mr. LeBaron has a background in all aspects of software development including user interface design, systems integration, programming, and database design and architecture. He has experience in business process modeling and re-engineering using UML and IDEF techniques. Much of Mr. LeBaron's project experience has been in support of environmental studies, regulatory compliance, and data analysis and assessment. Mr. LeBaron served as a systems analyst, architect, and project manager on the Water Quality eXchange (WQX) development team for the EPA Office of Water. Utilizing this expert knowledge of WQX, he has consulted with over 50 tribal nations, 5 states, 3 EPA regional offices, and the Colorado Data Sharing Network regarding their water quality data. For the majority of these projects, Mr. LeBaron assisted the water program personnel to import, manage, analyze, and report on their water quality data using a combination of the Ambient Water Quality Monitoring Systems (AWQMS), WQX, and WQX Web.

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.

Virginia LeClere has served as the Environmental Manager for the Prairie Band of Potawatomi Indians since 2006. Before becoming the Environmental Manager, she served the tribe as an Environmental Specialist, working on air quality and environmental education projects. Virginia is a member of the Prairie Band Potawatomi Nation and a lifelong resident of the reservation. She is an active volunteer, organizer, and participant in a variety of community events, and enjoys serving her community in all capacities. She completed her undergraduate studies at Haskell Indian Nations University and Friends University, and received her M.S. in management from Baker University. She currently serves as the chair of the TWRAP Steering Committee.

Rachel Lentz is the State and Tribal Lead in the Office of Brownfields and Land Revitalization (OBLR) in the EPA Office of Solid Waste and Emergency Response. Rachel has worked in OBLR for a decade and held many positions before assuming the State and Tribal Lead in February 2015. Rachel received her undergraduate degree from the University of Michigan in 2002, and a law degree from American University in 2010.

Ben Lesser has served more than 23 years in the U.S. Environmental Protection Agency (EPA), and is now Senior Advisor to the Director of the Program Implementation and Information Division in the Office of Solid Waste and Emergency Response. He chairs the regulatory work group for the CERCLA Section 108(b) rulemaking, developing financial responsibility requirements for industries that manage hazardous substances. He is also involved in formulating pyrotechnics and explosives disposal policy and is the division lead for knowledge management. Lesser has an active interest in applying leadership and performance management to environmental and human health protection in developing areas which lack basic sanitation and health infrastructure. Lesser has held widely varying EPA positions, working to improve U.S.-Mexico border wastewater infrastructure, budgeting and performance management and working on legislative issues and speechwriting. Before joining EPA, Lesser served in the U.S. Senate as Legislative Assistant for Environment and Public Works, and he spent more than 12 years as a television reporter, anchor and news director. Ben Lesser has lived and worked in five Western states and now makes his home in Virginia.



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David Lloyd is the Director of the Office of Brownfields & Land Revitalization in the EPA Office of Solid Waste 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.

Emily Luscombe is the Environmental Director at Coyote Valley Band of Pomo Indians. Emily grew up in Mendocino County, California with a passion for environmental issues with a focus on the bioregions of Northern California. After high school she attended Connecticut College and obtained a Bachelors Degree in Environmental Studies and Anthropology in 2000. She worked as an Arboretum Assistant with a botanical focus before going to Australia to work on her Masters Degree. In 2005 she was awarded a Masters of Environmental Management from Flinders University of South Australia. In Australia she worked in the environmental field as an Environmental Project Officer for a large packaging company, working on environmental education and doing field work on invasive species. While historically her interest has been more biologically focused, she has always been someone who tries to reduce the amount she consumes as well as reusing and recycling. When she began working for Coyote Valley Band of Pomo Indians in 2013 she became more involved in solid waste and worked on community reduction efforts and education. Coyote Valley Band of Pomo Indians hosted a waste audit training in January which was a very powerful tool for education and behavior change. The information obtained was invaluable in future solid waste planning.

Heather Mann has a varied background in environmental, safety, and health as well as in forensic and medical chemistry. She possesses a BSc in chemistry and law enforcement. She now is an EPA Certified UST inspector for EPA Region 6 in Dallas, Texas. She inspects USTs on tribal lands within Region 6 as well as providing compliance assistance to UST facilities on tribal lands. She has previously worked for an independent petroleum firm assisting in above-ground storage tank inspections and using one of the first approved microbes for remediation of petroleum-contaminated soils. She also was the environmental lab manager for the city of San Antonio's Department of Environmental Management for which the lab analyzed samples for wastewater treatment plants and industrial waste contributions. She has been a consultant providing oversight for Phase I – IV activities on privately-owned gas station properties and on tank installations and removals. Heather has also been a contractor to TSA providing hazardous waste management assistance as well as ISO 14001 Environmental Management System auditing and oversight. She was the sampling manager for the DOE's Super Collider project in Texas. Prior to environmental work she was a medical laboratory medical technologist for over 10 years and provided forensic services for the San Antonio Police Department,

Bexar County, and federal courts jurisdictions.

Janette Marsh has over 20 years of experience at US EPA Region 5 doing planning, sustainability, and water resources management work within the region and also internationally. A native of the Midwest, Janette is an avid supporter of conserving and protecting the area's natural resources.

Ralph McCullers is the Environmental Director for the Pochach Band of Creek Indians. He holds a BS in Biochemistry from Auburn University and an MPA from Indiana University. He is focused on the interface of humans and their environment, and their mutual effect on each other.

AmyJean McKeown is a Brownfields Project Officer for EPA-Region 1, New England. She is the Brownfields Tribal Coordinator and the Historic Preservation Coordinator for the Brownfields Program. Ms. McKeown has been employed by the EPA for 24 years and was an On-Scene coordinator in the Emergency Planning and Response Branch for 18 years before joining the Brownfields Program.

Amy Miguel is a member of the Salt River Pima-Maricopa Indian Community and has served her community in the environmental field for 7 years with experience in both Water Quality and Environmental Compliance programs. Her current position allows her to gain additional experience and skills with all the programs in the environmental division with a focus on compliance assistance thru education and outreach events.

Dale Mitchell 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 keeping the natural resources a part of the Tribes cultural right to use and respect. Mr. Mitchell was the former Water Resources Specialist monitoring the coastal waters for Red Tide. He assesses environmental impacts to Tribal lands and waters to ensure tribal concerns are addressed in permitting and regulatory processes. His assessments have assisted the Tribe in making informed environmental decisions. 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. Some of the past and ongoing projects include cleaning up and demolishing the former Sipayik Corner Store and former Tribal Museum located by the Tribal Public Safety Building.

Peter Monahan has over 30 years of experience in water quality and is the Regional Nonpoint Source Coordinator for Region 8. Before joining EPA Region 8 in 2003, Peter managed the Watershed Protection Section for the New Mexico Environment Department. He enjoys the outdoors, rafting, live music, craft beer, and long motorcycle rides.



Lisa Montgomery is the Acting Director of the Environmental Department for the Sac and Fox Nation.

Nitin Natarajan currently serves as the Deputy Assistant Administrator for the Environmental Protection Agency's (EPA) Office of Solid Waste and Emergency Response (OSWER). Most recently, Mr. Natarajan served as the Director of Critical Infrastructure Policy for the National Security Council at The White House. In this role, he served as the primary policy advisor on critical infrastructure matters and led the development and implementation of Presidential Policy Directive (PPD) 21 (Critical Infrastructure Security and Resilience) and Executive Order (EO) 13650 (Chemical Facility Safety and Security). He was also a key leader in the implementation of EO 13636 (Critical Infrastructure Cybersecurity) and served as a member of the White House team tasked with providing policy guidance and interagency support to the President and his key staff during domestic and international natural and man-made disasters. Mr. Natarajan formerly served as a Director within the Office of the Assistant Secretary for Preparedness and Response at the Department of Health and Human Services (HHS). He was responsible for the oversight and management of the Department's Critical Infrastructure Protection (CIP) Program, Continuity of Operations (COOP) Program and their Logistics Program in support of their deployable medical assets. He was also a key leader in external cybersecurity efforts with state and local government partners and the private sector. He also served on the Department's leadership team for responses to major domestic and international disasters. Prior to his role at HHS, Nitin held a variety of clinical and policy positions at the State and local levels in New York and DC. Some of his prior roles include serving as a firefighter, Neonatal Flight Paramedic, hospital administrator at a large metropolitan trauma center and as the bioterrorism coordinator for the District of Columbia. In addition, he has spent over a decade serving on a federal medical response team in a variety of roles including a term as the team commander deploying to disasters throughout the nation. He holds a Bachelors of Science from the State University of New York and a Master of Arts from the Naval Postgraduate School.

Mark Nelson L.S.P. Principal - Senior Hydrogeologist: Mark is a Senior Hydrologist and is responsible for the firm's Water Resource, Wastewater Planning, and Site Assessment and Remediation projects. Mark has more than 25 years of experience in groundwater modeling, surface water modeling, hydrogeologic investigations, and fate and transport analysis of contaminants in soil, sediments, and groundwater. Mark has direct experience in the regulatory and permitting requirements associated with wastewater projects, and has been successful in securing numerous Groundwater Discharge Permits with the Massachusetts Department of Environmental Protection (DEP). He currently serves as the Program Manager for HW's \$17 million contract with U.S. Envi-

ronmental Protection Agency (EPA) Office of Ground Water and Drinking Water, providing technical advice on source water protection, water security and the Underground Injection Control Program. He is also the Program Manager for the firm's \$22 Million contract with EPA's Office of Science and Technology. Mark is a Licensed Site Professional (LSP), authorized by the Commonwealth of Massachusetts to direct the assessment and remediation of contaminated sites. Mark has been an instructor for the EPA teaching workshops on wastewater planning, water security, ground water and surface water hydrology, Low Impact Design (LID) contaminant transport, estuarine and ground water modeling and wellhead and source water protection. He has also qualified as an expert witness in Massachusetts and Wisconsin.

Jane Neumann, 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.

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

Jane Nishida is the Principal Deputy Assistant Administrator for EPA's Office of International and Tribal Affairs (OITA), having previously served as the Director of the Office of Regional and Bilateral Affairs within OITA. In her current capacity, she leads EPA's international and tribal portfolios, and is responsible for the full range of EPA's environmental policy development and program implementation in tribal lands and in sovereign nations outside of the United States. Nishida represents EPA within the United States Government and works closely with tribal governments, foreign governments, international organizations, and other key stakeholders on matters relating to the environment. Nishida has thirty years of environmental experience working in federal and state government, and international and nongovernmental organizations. Prior to joining EPA in 2011, Nishida served as the Senior Environmental Institutions Specialist at the World Bank. From 1995 to 2002, she was appointed as the Secretary of Maryland's Department of the Environment. Additionally, she served as the Maryland Executive Director of the Chesapeake Bay Foundation. She also held positions as Legislative Officer in the Maryland Governor's Office and Committee Counsel in the Maryland General Assembly. Nishida received a Bachelor of Arts in International Affairs from Lewis and Clark College in Portland, Oregon and a Juris Doctorate from Georgetown Law Center in Washington, D.C.



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Ken Norton, Chair of the National Tribal Water Council, is 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 and 2009, Ken served as the Vice-Chair of the National Tribal Operations Committee and as the NTOC Tribal Caucus Lead for Water Issues.

Dale H. Ohnmeiss is the Water Quality Specialist for the Ak-Chin Indian Community. His prior experience includes over 27 years within environmental protection: 11 years managing a team for Arizona DEQ, 10 years experience as well-head 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 he has been recognized both nationally and from the state DEQ for environmental leadership. He is a full-time environmental scientist, part-time actor, with his films listed in the IMDB. He was a kidney transplant recipient in 2013 and is still going.

Greg Pashia joined EPA in 1990 as an environmental engineer. From 1990 to 2000 Greg held the position of RCRA enforcement officer corrective action project officer, and inspector in the Region 6 Hazardous Waste Enforcement Branch. From 2000 to 2002 Greg worked as an inspector and enforcement officer in the Air Toxic Section of the Compliance Assurance and Enforcement Division. Since 2002 Greg has been working in the UST/LUST Program as an inspector, enforcement officer, corrective action contact, R6 tribal UST/LUST coordinator, and program contact for the UST/LUST program in the State of Oklahoma. In 1982 Greg completed his B.S. in Geological Engineering from the University of Missouri-Rolla and worked as an oilfield development engineering geologist in the west Texas oil business. Subsequent to his work in the oil business, Greg attended Texas Tech University where he studied water resources engineering and ground water hydrology. He received his Masters from Texas Tech University in 1989.

Chad Payeur, FEMA National Exercise Program Section Chief, was born and raised in Salem, NH. He completed his undergraduate degree in History and World Religions from Georgetown University in Washington DC in 2002. Mr. Payeur was a Navy ROTC scholarship recipient and served his country for five years as a Surface Warfare Officer. Mr. Payeur left the Navy in 2007 and over the past eight years has supported the implementation of three different emergency management exercise programs within the Department of Defense and Department of Homeland Security. Mr. Payeur

recently served as the Lead Exercise Planner for Capstone 2014, which included over 10,000 emergency management and homeland security participants from over 20 local communities, 3 states, 2 regions, 29 private sector organizations, 10 international countries and over 50 departments/agencies – making it one of the nation’s largest emergency management exercises ever conducted on American soil. Mr. Payeur is currently responsible for the National Exercise Program, working with the private sector, faith based organizations, academic institutions, local jurisdictions, states, tribes and the federal government to build a national exercise program that can validate our collective ability to deliver the core capabilities necessary to make our nation more secure and resilient. In his role as National Exercise Program Section Chief, Mr. Payeur is working with tribes throughout the nation to help support their preparedness activities. As part of this effort, Mr. Payeur has developed the Operation Safe Delivery exercise series, designed to help communities examine their ability to respond and recover from incidents involving volatile unconventional shale oil transported by rail. In September 2015, Mr. Payeur, in coordination with Black Feet Nation, will host an Operation Safe Delivery exercise in Montana solely focused on supporting Black Feet Nation’s unconventional oil preparedness posture. Mr. Payeur lives in Arlington, VA with his wife and their 3-year old twins.

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, 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.).

John Persell has served as a member of the Minnesota House of Representatives since 2008. Mr. Persell spent over 30 years as a water quality specialist and environmental policy analyst for the Leech Lake Band of Ojibwe. He majored in biology at Bemidji State University and served in the United States Air Force. Mr. Persell is a member of the American



Legion Honor Guard and has worked as a mentor in the STEM (Science, Technology, Engineering, and Math) at Leech Lake Tribal College in Cass Lake.

Christine Poore is an Environmental Scientist in EPA's Office of Superfund Remediation and Technology Innovation (OSRTI). She has been with OSRTI for eight 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.

Stephen Purpora of Purpora Engineering, Inc., Protanic Inc., GEA Testing Solutions, Inc.: Mr. Stephen Purpora began his field experience in 1972 and became a lead foreman in 1979 and has worked extensively in all areas of underground storage tank, line, and leak detector testing as well as vapor recovery and cathodic protection inspections. His experience includes over 25 years of field testing and consulting for the petroleum testing industry. He has assisted Mr. William Purpora in the development of testing procedures and protocol for product line testing equipment as well as the Petro-Tite tank test equipment. Mr. Purpora currently travels extensively throughout the United States and internationally, training and certifying test technicians and regulatory personnel on the fundamental and practical applications of testing underground storage tanks, product piping, leak detectors and vapor recovery systems. In early 2002, Mr. Purpora assumed the position of President of Protanic, Inc. and Purpora Engineering, LLC. In 2004 he was the founding member of N.T.C.A., LLC (National Testing Contractors Association), PTTI, LLC (Petroleum Tank Training Institute) and GEA, Inc. In 2010 Mr. Purpora thru GEA Inc. did the first measured volumetric Line testing in Coimbatore India, as well as finding the first documented small suction line leak. Since then GEA, Inc. has assisted in helping to start testing in Malaysia, Hong Kong, Manila as well as Southampton, UK. Mr. Purpora serves on and provides technical advice for the Petroleum Equipment Institute's (PEI) committees on Recommended Practices on Installation and Testing of Stage I and Stage II Vapor Recovery and Testing and Verification of Spill, Overfill, Leak Detection and Secondary Containment Equipment at UST Facilities. In addition he has served as a consultant for the EPA for the upcoming rule changes. Since 2002, Mr. Purpora has provided expert testimony for numerous court cases throughout the United States in cases relating to pipeline and tank releases and proper testing procedures. Mr. Purpora has attended Westminster College in Missouri and the University of Wisconsin Milwaukee. Mr. Purpora is married with 3 children and currently resides in Cedarburg, Wisconsin.

Rob Rau was born locally in St. Paul Minnesota and reared in White Plains New York. Rob has a Masters of Science in Geology and over 20 years of experience conducting contaminated site assessments and cleanups. Rob has been with the Indian Lands tanks program in EPA Region 10 since 2006.

Charles Bearfighter RedDoor 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.

Marta Reczko was born and raised in Poland. In 2004 she received an MS Degree in Engineering Geology from Warsaw University in Poland. In 2006 she received an A.A. in Business from Long Island Business Institute in New York, and started a formal career as the buildings and environmental permits expeditor for New York Engineering Association (NYEA). In 2009 she started working for the Miccosukee Tribe of Indians in Florida as the Water Resources Manager. She has the pleasure and opportunity to be part of the environmental team that is dedicated to protect Water Resources on Tribal lands. She assists and oversees the work performance of water quality technicians, hydrologist, tribal contractors, and tribal consultants. She enjoys the extensive field work in Florida Everglades wetlands.

Matthew Richardson is the Tribal Wastewater Infrastructure Coordinator, Office of Water, US Environmental Protection Agency. Mr. Richardson has a comprehensive work history in private industry, academics, and government agencies. He holds a B.S. in chemistry and an M.S. in environmental engineering. He currently holds a position at the US EPA, where he is part of the Sustainable Communities team that helps small, rural, and underserved communities attain access to wastewater services and maintain sustainable wastewater infrastructure by providing technical assistance and financial resources.

Callie Ridolfi has supported Tribal environmental programs to protect treaty resources, cleanup contaminated sites, and restore habitat for subsistence uses for more than 25 years. She is a registered civil engineer and holds an M.S. degree in Environmental Engineering and an MBA in Sustainable Business. She is the primary owner of RIDOLFI Inc. and its sister firm, EcoChem, Inc.

Jonathan Rivin is a member of UW Extensions Solid & Hazardous Waste Education Center. Since joining the program in 2009, he has been providing assistance to businesses and communities about sustainable materials management through educational and technical assistance.



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Barry H. Rosen, Biologist: Dr. Rosen received a Ph. D. in biology from the Bowling Green State University, with a focus on the effects of nutrients and light on phytoplankton growth and associated physiological response. He has worked in the field of algae for 40 years, with emphasis on understanding the ecophysiology of organisms in a variety of habitats, especially harmful algal blooms. He has worked for the U.S. Geological Survey's Southeastern Region since 2006 and wants to expand his research on cyanobacteria by providing technical assistance to tribal governments that may have a concern about harmful algal blooms in their waters.

Rob Roy is the Environmental Director for the La Jolla Band of Luiseno Indians and has been employed by the Tribe for over 13 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. He 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. Rob serves as a member of the TWRAP steering committee and the Exchange Network Tribal Governance Group and works to foster collaboration between groups to achieve common goals and increase the scope and impact of projects.

Leonard Sabatino received a bachelors of science degree in the field of eo-environmental studies in 2001 from Shippensburg University in Shippensburg, Pennsylvania. In 2002, Leonard Sabatino received certification in permaculture design from Laakea farms on the Big Island of Hawaii. From 2003 through 2011, Leonard Sabatino 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 Underground Storage Tanks Compliance Assistance Program for 21 New Mexico pueblo and tribal environmental programs. Leonard is currently a certified Steel Tank Institute Underground Storage Tank Cathodic Protection Tester and continues working to improve the capacity of Eight Northern Indian Pueblos Councils Underground Storage Tank Program.

Kathleen Salyer 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. In support of the EPA's mission to protect human health and the environment on tribal lands, 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 contami-

nated sites. Kathleen has a BA in Geology from Whitman College and a Masters' in Environmental Public Policy from University of Maryland, College Park.

Lorinda Sam is the Environmental Programs Manager for the Ak-Chin Indian Community Environmental Protection Department (EPD). Lorinda is a member of the Duckwater Shoshone Tribe of Nevada. Lorinda is responsible for the management of several US EPA grants such as the General Assistance Program, Clean Water Act Section 106 and 319, Clean Air Act Section 103, Source Water Assessment and Pesticides Program Grants. Under the GAP grant, Ak-Chin EPD completed a solid waste characterization study and is preparing an Integrated Solid Waste Management Plan.

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

Oral Saulters is an environmental professional assisting tribal communities with brownfields and other projects.

Nancy Schuldt 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 cooperative 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.

Michael H. 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



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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 Inventory. 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.

Laura Shumway is an ORISE Research Participant with EPA's Monitoring Branch in the Office of Wetlands, Oceans, and Watersheds. She obtained a B.S. in Biology and a M.A. in Environmental Planning and Management, at the University of Illinois Springfield. Laura is a co-lead for tribal measure SPI 4b, along with Susan Holdsworth, Branch Chief of the Monitoring Branch. She also works on EPA's water quality database, STORET and EPA's assessment and TMDL reporting database, ATAINS. Previously, Laura was the aquatic biology intern at the Illinois Environmental Protection Agency, Surface Water Section.

Janice Sims is an environmental scientist with the Environmental Protection Agency's (EPA) American Indian Environmental Office (AIEO). Prior to joining AIEO, Janice worked for EPA Office of Solid Waste and Emergency Response (OSWER) where she served as the tribal program coordinator for two years. For five years before serving as the tribal program coordinator, she worked as the state and tribal program coordinator for OSWER's Brownfields and Land Revitalization office. Prior to her work at EPA, she was an independent consultant for Romania's Ministry of the Environment for several years drafting national integrated waste management strategies, policies and regulations. Janice has also worked as an air quality regulator in North Carolina enforcing local, state and national air quality standards. She is certified as a qualified environmental professional (QEP) through the Institute of Professional Environmental Practice (IPEP).

Jeff Simley is the Product and Service Lead for the National Hydrography Dataset and Watershed Boundary Dataset. He is responsible for guiding the development of this nationwide program to map surface water into one universal GIS database. This effort involves maintaining a vast partnership of users to provide for the ongoing stewardship of the data and to advance the continuous development of the dataset to expand its capabilities. Jeff has 36 years of experience in developing digital geospatial databases, spending the past 26 years with the U.S. Geological Survey and the previous 10 years with the former Defense Mapping Agency.

James Snitgen received both his Bachelors in Biology and Masters in Aquatic Biology from Northern Michigan University. He has worked in the field of aquatic biology for 23 years as a consultant conducting fisheries research, a taxonomist identifying benthos from the Great Lakes and from streams across the country for EPA. He was a regulatory biologist for the state of Florida and a researcher at the Lake Superior

Research Institute. Jim has been with the Oneida Environmental, Health and Safety Division since 1999. He has published numerous peer reviewed publications in the area of aquatic macroinvertebrate community analysis and ecology, as well as presenting nationally on the comprehensive monitoring of restoration projects using biological indicators. Jim has successfully implemented nine stream restoration projects in the Green Bay watershed, including the removal of the Duck Creek Dams, the restoration and reintroduction of brook trout to Trout Creek, and the restoration of fish passage to Lancaster Brook. He takes advantage of the rewarding opportunity to both continue research but also implement restoration projects and interact with the community via outreach activities. Jim and his wife Kelly reside in Bellevue, WI with their two children, Jacob and Autumn.

Tim Spade is the Water Quality Specialist for the Flandreau Santee Sioux Tribe in Flandreau, SD. He completed his B.S. from the University of South Dakota in Earth Science while taking graduate courses in both Hydrology and Missouri River Studies. In August 2011, Tim was selected by the Flandreau Santee Sioux Tribe to manage the Water Quality division of the Tribal Natural Resources Department. Since taking the position with the Tribe, Tim has completed the Water Quality Standards Academy and has periodically developed presentations for the USEPA Region 8 annual water quality meeting in Denver, CO. Program accomplishments have included, but are not limited to, approval of CWA 106 QAPP documents from the EPA, updating of all other CWA 106 program documents, and the expansion of program capacity by successfully integrating the CWA 319 program into the Tribe's Water Quality Department. Tim's free time is divided between hiking trips, playing Frisbee golf and playing the mandolin. Tim currently resides in Sioux Falls, SD with wife Meghan, daughter Clara, and a son on the way (ETA September, 2015). He can be contacted via email at tim.spade@fsst.org.

Char Spruce currently serves as the Environmental Specialist for the Keweenaw Bay Indian Community (KBIC), a position she has held since December of 2005. As Environmental Specialist, Char has managed KBIC's EPA Indian Environmental General Assistance Program (GAP) grant, building capacity for environmental programs, including environmental assessment, solid waste, and air quality. Prior to her employment with KBIC, Char completed her Bachelor's Degree from Michigan Technological University.

Dana Stalcup 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



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Katrina and Deepwater Horizon BP Gulf Oil Spill 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 29 years and they have six children (five sons then a daughter) ranging in age from a married college graduate to a 4th grader.

Mathy Stanislaus was nominated by President Barack Obama for the position of Assistant Administrator in EPA's Office of Solid Waste and Emergency Response (OSWER) on March 31, 2009 and began in his position June 8, 2009 after confirmation by the U.S. Senate. As Assistant Administrator for OSWER, Mr. Stanislaus leads the Agency's land cleanup, solid waste and emergency response programs. Specifically, Mr. Stanislaus is responsible for EPA's programs on hazardous and solid waste management under Resources Conservation and Recovery Act (RCRA), contaminated site cleanup under RCRA corrective action, Superfund and federal facilities cleanup and redevelopment, Brownfields, oil spill prevention and response, chemical accident prevention and preparedness, underground storage tanks, and emergency response. As Assistant Administrator for OSWER, he has focused on opening government, expanding transparency, and empowering local communities to participate in all of OSWER's decisions through the Community Engagement Initiative. He has expanded the brownfields program to provide tools to local communities to revitalize economically distressed communities in America's downtown including through the innovative Area Wide Brownfields Pilot program. He leads the Agency's efforts to support community based actions to address environmental justice under Plan EJ 2014. He is leading the effort to transition from waste management to life-cycle based materials management through the Sustainable Materials Management Initiative. He led EPA's response efforts during BP Spill - serving weeks in Unified Area Command. He serves on the White House Council on Auto Communities and Workers and the White House Initiative on Asian Americans and Pacific Islanders. Mr. Stanislaus is a chemical engineer and environmental lawyer with over 20 years of experience in the environmental field in the private and public sectors.

William C. Sulinckas has been working for the Department of Homeland Security's Federal Emergency Management Agency since January 2006. His first assignment was in the National Preparedness Division as a Technological Hazardous Program Specialist. In this position he worked with the Regional State Emergency Response Commissions and Local Emergency Planning Committees. His duties included supporting the hazardous material emergency response planning and operations programs for these groups. Mr. Sulinckas was hired into a position in the Disaster Operations Division in January of 2007 as an Emergency Management Program Specialist. This assignment included coordinating with the six State Emergency Operations Centers and the FEMA National

Response Coordination Center in response to local emergency and disaster support activities. In 2008, Mr. Sulinckas transferred back to the National Preparedness Division and was assigned to the Radiological Emergency Preparedness Branch. His duties in this position were as an exercise evaluator, a Site Specialist for the State of Illinois, and an evaluation Team Leader supporting the emergency response to nuclear power plants within the Region. In February 2010, Mr. Sulinckas was selected for a merit promotion. He was selected as an Emergency Management Program Specialist and assigned to the Regional Integration Branch. This assignment placed him as the National Incident Management System (NIMS) Coordinator for FEMA Region V. He currently performs as the Subject Matter Expert to the State, Tribal and local jurisdictions assisting in their adoption of the NIMS principles within their emergency management programs. Additionally, Mr. Sulinckas has been assigned the responsibility of the Regional Tribal Liaison, since June of 2010. He serves as the FEMA Regional point of contact for the 34 federally recognized tribes within the FEMA Region. He has also served as the Region's Search and Rescue Lead assigned to Emergency Support Functions 9 (ESF-9), Search and Rescue, within the FEMA Regional Response Control Center, since October of 2006.

Laurie Suter's background includes Brownfields, minerals exploration, soils analysis, environmental laboratory administration and biology. She has worked for the Tohono Oodham Nation since 2008, and, as of November 2014, is the Mineral Resources Administrator of the Natural Resources Department, which monitors 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.

Steve Terry graduated with a Bachelor of Science Degree from Texas A&M University in 1974. He then worked as a Research Biologist for the University of Florida's School of Forest Resources & Conservation for 11 years, doing research studies and assisting in publishing the results with 30 papers and presentations to his credit. He received a Master of Science Degree from the University of Florida in 1985. He was the Land Resources Manager for the Miccosukee Tribe of Indians of Florida for over 25 years, where he administered the Real Estate Services Department and oversaw EPA and other grants. USET acquired his services in 2011, where he now assists the USET Certification Board for Water and Wastewater Treatment Plant Operators and Laboratory Analysts by overseeing applications for Certification by the USET Operator Certification Program. Through his efforts, USET became an EPA Approved Provider for Drinking Water Certification for Indian Tribes nationwide. He provides Technical Assistance to the National Tribal Water Council. Steve has over 29 years of working with Tribes and Federal and State Agencies. He has been involved with Tribal drinking water and wastewater facilities for over 20 years. He has served on the USET Peer Review team for sanitary surveys of Tribal



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drinking water systems. He has received numerous awards and attended many conferences, training sessions, etc. The major awards he has received includes the Michal A. Frost Award from the National Tribal Environmental Council for environmental leadership, the National Partnership for Reinventing Government from Vice-President Al Gore for the Peer Review Team, and Honors from Harvard University's Honoring Contributions in the Governance of American Indian Natives for the Miccosukee Section 404 Permitting Program.

Nick Thomas, Short Cressman & Burgess PLLC, concentrates his practice primarily on environmental matters, including matters arising under the Comprehensive Environmental Response, Compensatory and Liability Act (CERCLA) and Washington's Model Toxics Control Act (MTCA). He also has extensive civil litigation experience. Nick is additionally experienced in representing clients in regulatory actions. Nick also represents Indian Tribes in matters involving environmental and natural resource issues.

Nushat Thomas joined the United States Environmental Protection Agency as an Environmental Protection Specialist within the Office of Water's Water Security (WSD) in 2009. She is the Team Leader of the Active and Effective Team in the Security Assistance Branch. Prior to joining WSD, Ms. Thomas was employed with Mirant Services, LLC as an Environmental Analyst responsible for managing the environmental compliance program at the Potomac River coal-fired generating plant. Prior to this, she served on active duty in the United States Army as an Environmental Science Engineering Officer at Fort Bragg, NC, where she served as Chief of the Installations' Environmental Health Section. In this role, she managed the installations drinking water laboratory overseeing water quality as well as regulated medical waste, hazardous waste, entomology and food safety and sanitation programs, developing policy and providing guidance to the Installation Commander. She continues to serve in the military as the Preventive Medicine Officer with the District of Columbia National Guard Medical Detachment. She is a Registered Environmental Health Specialist and has earned a Bachelor's in Chemistry from Johnson C. Smith University and a Master of Science in Environmental Studies from Virginia Commonwealth University.

Naomi Tillison is the Water Resources Specialist for the Bad River Band of Lake Superior Tribe of Chippewa Indians. She earned her Master's degree in Environmental Engineering along with a Certificate of Sustainability from Michigan Technological University. For almost 8 years, Naomi has been managing the Tribe's Water Resources Program. She has lead efforts to improve the protection and enhancement of water resources, including the finalization and implementation of the Tribe's federally-approved Water Quality Standards and the expansion of aquatic resources monitoring.

Roberta Tohannie joined the Institute for Tribal Environmental Professionals (ITEP) in 2007. She has worked on a variety of programs focused on all aspects of solid waste management, as well as brownfields and other contaminated sites. She currently manages ITEP's Navajo Nation Environmental Workforce Development Program, as well as working on TWRAP activities.

David C. Tomten is with the U.S. Environmental Protection Agency, Region 10. He is located in Boise, Idaho, where he is EPA Region 10's Idaho Mining Coordinator. He has 25 years of experience working on a broad range of projects that span the life cycle of mining, from permitting and NEPA work on proposed mines, to compliance and oversight of active mines, to the investigation and cleanup of inactive and abandoned mines. He is a Superfund project manager and leads a multi-agency team of scientists and engineers working to clean up large mine sites in the western US. A long-time area of focus for Dave is the consideration of projects from a life-cycle perspective, and the integration of statutory tools to prevent problems and protect public resources, and strategies to promote responsible mining. He is a founding member of EPA Region 10's Mining Team and a member of EPA's National Mining Team. Mr. Tomten earned a B.S. degree from the University of Wisconsin – Eau Claire, and an M.S. from the University of Utah College of Mines and Earth Sciences.

Susanna Trujillo is the Tribal Solid and Hazardous Waste Lead with EPA Region 8. She holds a Masters in Public Administration Degree from Montana State University and began her federal career as a Presidential Management Intern. Susanna transferred from EPA Region 9 to Region 8 in 2002. During her tenure in Region 9 Susanna was the Lead for several precedent setting actions; EPA enforcement action against a state regulated Subtitle D MSWLF in Nevada and staff/regional lead for Backcountry Against Dumps (BAD) vs. EPA and development of the Site Specific Flexibility Guidance. Susanna is the sole EPA R8 staff available to provide solid and hazardous waste technical assistance to R8 tribes. She accomplishes this primarily through leveraging of resources, such as the Project Officer for two Brownfields Tribal Response Grants with Ute Mountain Ute and Southern Ute and two Interagency Agreements with the Aberdeen and Billings Indian Health Service Area Offices.

LaDonna Turner works with USEPA Region 6 on risk and site assessment issues as part of the Region's Superfund Division.

Victoria van Roden has over 20 years of environmental experience, and has worked in four Environmental Protection Agency AA-ships (OSWER, OECA, OCSPP and OCFO). She is currently the Resources Management Division Director in the Office of Emergency Management in OSWER. Victoria has



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worked in all aspects of the Superfund program from emergency response and site assessment, to remedial response, budget and Superfund enforcement. Lastly, she also worked in the private sector for the Asbestos Abatement Council trade association and the Environmental Policy Center of the Law Companies.

Sonia Vega, native of Puerto Rico, got a Bachelors degree in Biology in 1986, and a Masters degree in science in Environmental Health in 1988, both from the University of Puerto Rico. In 1991, Ms. Vega was hired by the U.S. EPA, Region 5. From 1991 to 2003, Ms. Vega worked out of the Chicago regional office first as a water quality standards coordinator and since 1994 as an on scene coordinator for the Superfund program. In 2003 Ms. Vega was out posted to the Twin Cities as an OSC. In 2015, she returned to the regional office, where she continues working as an emergency responder.

Scott Walz received degrees from the University of Minnesota, while working in the construction industry. After graduating he went to work for the Shakopee Mdewakanton Sioux Community as a Hydrologist. He is a certified Hydrologist and certified Professional in Storm Water Quality employed for the past 18 years by the Shakopee Mdewakanton Sioux Community.

Brandon Wales is the Director of the Office of Cyber and Infrastructure Analysis (OCIA) at the Department of Homeland Security. OCIA provides integrated analysis of cyber and physical risks to the Nation's critical infrastructure. In February 2014, the Department created OCIA by consolidating analytic resources from across the National Protection and Programs Directorate, including the Homeland Infrastructure Threat and Risk Analysis Center (HITRAC) and the National Infrastructure Simulation and Analysis Center (NISAC). From 2009-2014, Mr. Wales was the Director of HITRAC, an all-hazards analytic resource for public and private sector partners covering the full-array of risks and challenges facing the infrastructure community. As the Director of HITRAC he also oversaw the Department's advanced modeling, simulation, and analysis program at NISAC, where researchers from the Los Alamos and Sandia National Laboratories conduct ground-breaking and forward-leaning analysis of some of the Nation's most complex infrastructure challenges. Mr. Wales is a recognized expert on infrastructure security and resilience, and is regularly called upon to brief senior officials in the Executive Branch and testify before Congress on emerging threats, infrastructure operations, and the implications of infrastructure failures and disruptions. During his time at the Department, Mr. Wales has been selected to support a variety of Department-wide initiatives. When the Department began working on the first Quadrennial Homeland Security Review in 2009, Mr. Wales was asked to lead the review of the counterterrorism and cyber security mission areas. Following the release of Executive Order 13636, *Improving Critical Infrastructure Cybersecurity*, in February 2013, Mr. Wales led the effort to identify critical infrastructure at potential cata-

strophic risk from a cybersecurity incident. Prior to joining the Department, Mr. Wales served as the principal national security advisor to United States Senator Jon Kyl and as a Senior Associate at a Washington-based foreign policy and national security think-tank. Mr. Wales received his Bachelor's degree from George Washington University and his Master's degree from The Johns Hopkins School of Advanced International Studies.

Scott Williams, Technical Assistance Specialist with the United South and Eastern Tribes (USET), provides training and technical assistance to tribal utility staff. Scott has a Bachelor's Degree in Environmental Science with emphasis in Ecology. He has 26 years working in the Water and Wastewater field. Scott 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 in teaching old school technology in this fast paced world.

Steve Wilson is a groundwater hydrologist at the Illinois State Water Survey. He manages SmallWaterSupply.org and PrivateWellClass.org. He has provided support for operators and conducted research related to groundwater and water well issues for nearly 30 years.

Jennifer Wintersteen is an Environmental Protection Specialist in the Tribal Assistance Program of the Montana Operations Office at EPA Region 8. Currently, she is the Water Quality lead in the Tribal Assistance Program and responsible for leading a team in assessing tribal grantee technical assistance needs and developing Regional training and outreach for Tribal CWA Section 106 Monitoring and Assessment grant programs. She is a grants project officer for tribal grantees' Performance Partnership Grants and project grants. Jennifer worked at EPA HQ in the Office of Pesticides Program in human health dietary risk assessment before coming to Region 8. Jennifer is a returned Peace Corps volunteer and served as a science teacher in Kenya. She has a B.S. in biology from the University of Texas at Arlington.

Steve Witkin is EPA's project officer for the TRI Explorer and TRI.NET data access and analysis tools. These tools are managed out of the Environmental Analysis Division (EAD) in EPA's Office of Environmental Information (OEI). Steve has been with the EPA for 19 years. Prior to his federal government career, he had a short stint with Maryland state government and spent more than 15 years in private industry as a mechanical engineer. His involvement with the TRI program began in 1987 as part of the regulated community. Mr. Witkin is often called upon to assist reporters in navigating through the TRI data. He is involved in efforts to make TRI more relevant and accessible to tribal governments and tribal environmental offices.



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James E. Woolford is the Director of the Office of Superfund Remediation and Technology Innovation (OSRTI) in the U.S. Environmental Protection Agency's Office of Solid Waste and Emergency Response (OSWER). He has been OSRTI's Director since December 2006. Mr. Woolford also served as the Acting Deputy Assistant Administrator for EPA's Office of Environmental Information for six months in 2014. Prior to his current position, he was the Director of the Federal Facilities Restoration and Reuse Office for 12 years. In 2008, Mr. Woolford received a "Meritorious Executive Service" Award for his accomplishments in the Federal Facilities Program. He also served as the Director of the Program Operations Division in the Office of Federal Facilities Enforcement, and as a Branch Chief and a Section Chief in the Superfund Enforcement Division in the Office of Waste Programs Enforcement. Mr. Woolford earned a M.A. in Political Science from the University of North Carolina at Chapel Hill in 1980 and he conducted Ph.D. work at Rutgers University in New Jersey. His undergraduate degree is in Political Science from Virginia Tech.

Sue Wotkyns is the Climate Change Program Manager at the Institute for Tribal Environmental Professionals (ITEP), Northern Arizona University. She has worked for ITEP since 2006 and leads ITEP's Climate Change Program, which provides training, informational resources, and assistance to tribes throughout the U.S. on climate change issues.

Felicia Wright has been working on tribal issues in EPA for over fifteen years. She currently serves as the National Tribal Program Coordinator and Tribal Consultation Advisor for the Office of Water, in direct support of the Assistant Administrator, on tribal policy and tribal program implementation under the Clean Water Act and Safe Drinking Water Act. Prior to this position, she served as the Tribal Program Manager for the Solid Waste and Emergency Response, and as tribal coordinator in both the Superfund and Resource Conservation and Recovery Act (RCRA) programs. Outside of the tribal arena, she worked as acting Director of EPA's Urban Water program and in OSWER's cleanup programs in the areas of Superfund site assessment, RCRA corrective action, facility siting and permitting, and public involvement. She has an M.S. in Environmental Science & Engineering from Virginia Tech, and a B.S. in Geology from the University of Kansas.

Jeremy Yepa is a member of the Santa Clara and Jemez Pueblos. He is a Water Quality Specialist with the Pueblo of Tesuque Environment Department. He has worked with the Pueblo for over 4 years, managing the EPA GAP, CWA Section 106 and 319 grants within the past year. He has worked in the environment field for over 10 years with water quality, air quality, GIS and USTs. He has an Associate's of Applied Science degree in Computer Science and is currently pursuing his Bachelor's degree in Biology.



ITEP Sincerely Thanks the Following for Their Amazing Help with Field Trips and Logistics at this Year's Tribal Lands and Environment Forum!

- **Mille Lacs Band of Ojibwe Urban Office**
- **Mille Lacs Band of Ojibwe**
- **Shakopee Mdewakanton Sioux Community**
- **Indian Affairs Office of the State of Minnesota**
- **The 106 Group**
- **Lower Phalen Creek Project**
- **City of St. Louis Park**
- **City of St. Paul**
- **National Park Service**
- **USEPA Region 5**



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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 Conference a success! Thanks also goes out to local tribal staff for their wonderful assistance!



Institute for Tribal Environmental Professionals

Northern Arizona University

Box 15004

Flagstaff, AZ 86011

Ph: 928-523-9555

Fx: 928-523-1266

<http://www7.nau.edu/itep/main/Home/>



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