



Welcome to Full Circle Newsletter

■ **TLEF Updates!**

Be sure to visit our website at http://www7.nau.edu/itep/main/Conferences/confr_tlef. A brief agenda is now posted, so you can see all the exceptional trainings and sessions that will be available, and the Davenport Grand hotel has a reservation website open for your use. And our field trips are now listed and open for you to reserve a spot. Check out the field trip tab on our website for more information.

■ **A Busy Time for Onsite Mentoring Matches**

The last six months have proven to be an exceptionally busy time for our onsite mentoring project. Mentor matches have been made for the San Carlos Apache, White Mountain Apache, White Earth Band of Ojibwe, Yocha Dehe Wintun, Pamunkey Tribe of Indians, and the Native Villages of Port Lions, Qawalangin, and Port Heiden. And we already have five more onsite matches lined up for the next couple of months!

As one of the most recently federally-recognized tribes, the Pamunkey Indian Tribe was looking for assistance to create an environmental program – and they have made sustainable solid waste management a priority. They have already sent tribal officials to ITEP solid waste courses, and then applied for our onsite mentoring program. We were able to match them with Mr. Jerry Cain, the environmental director from the Mississippi Band of Choctaw Indians. We've had the good fortune to work with Jerry for years, and believed he had the direct experience and background that would allow him to address the unique issues faced at Pamunkey. Jerry spent a day there (in VA?), and in addition to touring their open dump and meeting with tribal staff he was able to speak directly with the Chief and Council. He was able to talk over specific tactics for remediation of the dump and ways to avoid having people dump there again, and also broader strategies for how they could create a broad environmental program and where they might go in the future.

Allyn Cook-Swartz, the Assistant Administrator for the Pamunkey Tribe, said, "I can't thank you enough for partnering Jerry Cain with the Pamunkey Tribe. He gave the guidance we needed to successfully move forward in several developmental areas, implementing and sourcing as well. He was an absolute value to where the tribe is going for our Waste Management Plan and our Environmental Program over all."

We are so thrilled that this project proved helpful to both participating tribes and we look forward to working with Jerry and Allyn in the future. If you have any questions about ITEP's onsite mentoring project please contact Todd Barnell at todd.barnell@nau.edu or Julie Jurkowski at julie.jurkowski@nau.edu. The next round of applications for the ITEP Onsite Mentor Program will be open in early July. Keep an eye on your inbox!

Meet Our Staff:

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■ **Full Circle Network**
Did someone forward this newsletter to you? Send an email to Todd Barnell to subscribe or unsubscribe to the newsletter. Archived issues can be found at: www7.nau.edu/itep/waste

■ **Recycling, Superfund, and UST – Oh My!**

This quarter we have been busy conducting special trainings on all things waste and response. April was an especially busy month as we, with our Tribal partners, held trainings on Recycling Strategies for Tribes, the Tribal Superfund Working Group Training, and the Tribal UST Boot Camp Training. After receiving and reviewing many applications there was a total of 60 participants who joined us.

The recycling course was held in Dallas, TX and led by Cheyenne Stone of the Fort Independence Paiute Indian Community and Tracy Horst from the Choctaw Nation. These two run exceptional Tribal recycling programs and were able to provide attendees with a variety of strategies and approaches. The Choctaw Nation hosted us as we toured their Recycling Facility in Durant, OK. We also got our hands dirty while conducting a waste audit and helping load their horizontal and vertical balers. The course ended with a panel discussion on the business of recycling with sales representatives from Commodity Recycling Solutions, Republic Services, Pioneer Industries, and Renewed Solutions.

Our annual Tribal Superfund Working Group Training took place in Albuquerque, NM. This year's training focused on the different assessment processes conducted at superfund sites and we heard from an array of Tribes, researchers, and federal employees working to remediate and restore their lands and waters. The Pueblo of Laguna was gracious enough to show us the incredibly large Jackpile-Paguate Uranium Mine on their lands and share their experiences through the CERCLA process. The site encompasses over 7,500 acres where uranium mining took place from 1952 to 1982. The Pueblo will soon start work on remediation.

The last course of the spring was the Tribal UST Boot Camp in Tulsa, OK led by Victoria Flowers and Mike Arce from the Oneida Nation. Attendees heard from leaders in the UST industry, EPA headquarters staff, and environmental specialists of the Oneida Nation on all things UST including regulations, installation, equipment, testing, and inspections. Everyone at the course visited a gas station where they participated in field exercises and mock inspections. The course also included a trip to Containment Solutions Inc. a UST and AST manufacturer.



So a huge thank you to our Tribal, EPA, and industry instructors and all of the participants for successful trainings! And there are more to come as we plan for upcoming waste and response trainings. Also, be sure to check out the upcoming trainings at this year's TLEF!

■ **Introduction to Hazardous Waste Online Course**

Recently we added **Introduction to Hazardous Waste** to ITEP's online training course

opportunities! This online course has been developed to provide tribal environmental professionals with an introduction to identifying and managing hazardous waste that the tribe and facilities on tribal land generate. Additionally, this course provides an overview of the three classes of generators for tribes to determine how the hazardous waste must be managed and includes a module specific to household hazardous waste.

The development of the Introduction to Hazardous Waste online course was a collaborative effort between the US Environmental Protection Agency Region 7, Gila River Indian Community, the Alaska Forum, Inc., Green Star, NRC Alaska, Alaska Community Action on Toxics, and ITEP. This online course is equivalent to 1.5 continuing education units (CEUs) and requires approximately fifteen hours of total learning time.

After completing the Introduction to Hazardous Waste online course, participants will be able to:

- Locate resources for determining which wastes are regulated as solid waste, hazardous waste, and excluded.
- Identify EPA and state regulations for managing the type of waste identified, including alternative management standards for special wastes.
- Explain hazardous waste generator rules.
- Understand the need for determining proper handling, storage, and shipment for hazardous waste generated on tribal land.
- Inform their community about the risks associated with household hazardous waste.
- Initiate best management practices for collecting, storing, and shipping household hazardous waste.

You can access this course at your convenience by creating a free user account. Start now by visiting [Create New Account!](#) After setting up your own unique login and password, you can enroll in and access ITEP's online courses at any time.

View available online courses here: [ITEP's Online Courses](#) and email Professional@nau.edu with any questions.

■ Tribal Emergency Response Course This October

We are excited to announce that we will be offering a brand new course in collaboration with the Iowa Tribe of Kansas and Nebraska, Sac and Fox Nation of Missouri, and US EPA Region 7: **"Tribal Emergency Response: Working Effectively with Response Agencies as First Responders,"** which will take place in White Cloud, Kansas, October 9-12, 2018.

As part of this course we will foster partnerships at all levels of government, and with nongovernmental organizations and the private sector to prepare for a unified response to disasters and emergencies. We have numerous presenters lined up who have worked in many different capacities of emergency response and management. This course will strengthen tribal capacity in emergency response situations by providing the foundation for tribes to determine their role in the Incident Command System. It will provide hands-on experience with various emergency response situations for each tribal participant to be an effective liaison and an advocate for preventing and responding to emergencies in their community. Additionally, this course will provide participants with an awareness level of training needed to act as first responders to various incidents covered within the course.

The course will be limited to twenty-five participants. **Preference will be given to employees of federally-recognized tribes in Region 7 that apply prior to the August 31, 2018.** Employees of tribes in other regions will be accepted if space is available. A notice of confirmation and fact sheet with additional course details will be sent to those who are selected to attend the course.

The application “Form” for this course is available at http://www7.nau.edu/itep/main/Training/training_waste. Please send your completed applications back to jennifer.williams@nau.edu or 928-523-1266 no later than August 31, 2018.

■ News and Resources of Interest

FY2018 Tribal Homeland Security Grant Program Applications Due June 20, 2018

On May 21, 2018 the US Department of Homeland Security announced the release of FY2018 Notices of Funding Opportunity for eight DHS preparedness grant programs totaling more than \$1.6 billion. One of the eight grant programs is the Tribal Homeland Security Grant Program (THSGP), with \$10 million dollars set aside for FY2018. The purpose of the FY2018 THSGP is to make grants available to federally-recognized “direct eligible tribes” to provide tribes with the ability to develop and deliver core capabilities using the combined efforts of the whole community, rather than the exclusive effort of any single organization or level of government. The FY2018 THSGP’s allowable costs support efforts of tribes to build and sustain core capabilities across the Prevention, Protection, Mitigation, Response, and Recovery mission areas. In FY2017, 24 tribes received funding awards from \$53,000 to \$1,275,000, totaling \$10,000,000. See <https://www.fema.gov/media-library/assets/documents/164437> for FY2018 THSGP Fact Sheet, FY2018 Key Changes, FAQs, and the guidance, authorization, and appropriation information to potential grantees. See <https://www.fema.gov/grants> for details on the other seven preparedness grant programs released on May 21, 2018.

Tribal Consultation and Coordination on the Risk Management Program Rule

The US EPA is initiating consultation and coordination with federally-recognized Tribes on proposed changes to the Chemical Accident Prevention Provisions regulation (more commonly known as the Risk Management Program rule). There will be two national conference calls for tribes to discuss the proposed rule:

- June 25, 2018, 2:00 – 3:00 pm EDT. Call in number is 866-299-3188; call code is 202 564 7998#
- June 26, 2018, 2:00 – 3:00 pm EDT. Call in number is 866-299-3188; call code is 202 564 7998#

You can access additional resources on this on the US EPA Tribal Consultation Opportunities Tracking System at: <https://tcots.epa.gov/apex/tcotspub/f?p=123:1:7613920288200:::>

Grants to Support Tribal Resilience and Ocean and Coastal Management and Planning

The Secretary of the Interior, through the Office of Trust Services, Tribal Resilience Program is soliciting proposals from tribal not-for-profit and tribal non-governmental organizations and associations to receive grants to support tribal resilience and ocean and coastal management and planning. The deadline is July 12, and you can find more information at: <https://www.grants.gov/web/grants/view-opportunity.html?oppId=305465>.

Tribal Healthy Homes Grant Available Through HUD

HUD's Office of Lead Hazard Control and Healthy Homes Tribal Healthy Homes Production (HHP) Grant provides \$12 million, grant amounts are minimum \$500K to maximum \$1M. The purpose of the HHP program is to assist American Indian and Alaska Native tribal governments to identify and remediate housing related health and safety hazards. This program will assist American Indian and Alaska Native tribal governments to develop comprehensive programs to identify and remediate housing issues that contribute to health and safety issues in urban and tribal communities. Application deadline is July 18, 2018. Grant information at: <https://www.grants.gov/web/grants/view-opportunity.html?oppId=305900>

Tribal Waste Management Funding Resources

The Tribal Waste Management Funding Resources Directory is a searchable resource listing

financial waste management assistance sources (grants, loans, cost-sharing) available to tribes and nonprofit organizations. Search at

<https://www.epa.gov/tribal-lands/tribal-waste-management-funding-resources-directory>

Superfund Task Force Issues Second Quarterly Report

The quarterly report provides a comprehensive list of accomplishments from January to March 2018. The Task Force will be providing these updates on a quarterly basis. Find previous reports and news below. <https://www.epa.gov/superfund/superfund-task-force-accomplishments#fy18q2>
<https://semspub.epa.gov/work/HQ/100001309.pdf>

Micro and Nanoplastics in the Environment: Risk for the Environment and Human Health

The use of plastic materials has been increasing since the mid-20th century to reach current production volumes of more than 300 million metric tons per year. The global flow of plastic materials is still linear, which means it is not "circular," or a closed loop that results in sustainable reuse. Read more at <https://ieamblog.com/2018/04/12/micro-and-nanoplastics-in-the-environment-risk-for-the-environment-and-human-health/>

Songbird That Needs Clean Streams Threatened By Fracking

One of the biggest unknowns about the shale gas boom is how it's affecting wildlife. A new study from West Virginia University on a warbler that depends on clean streams is helping to change that. The Louisiana waterthrush is one of the first migratory songbirds to appear in the region in the spring. Read more at <https://www.allegenyfront.org/study-songbird-that-needs-clean-streams-threatened-by-fracking/>

This App Can Tell You the Indigenous History of the Land You Live On

Whose land are you on? Start with a visit to native-land.ca. Native Land is both a website and an app that seeks to map Indigenous languages, treaties, and territories across Turtle Island. You might type in New York, New York, for example, and find that the five boroughs are actually traditional Lenape and Haudenosaunee territory.

<http://www.yesmagazine.org/issues/decolonize/this-app-can-tell-you-the-indigenous-history-of-the-land-you-live-on-20180416>

Indigenous Environmental Network (IEN) and Western Mining Action Network (WMAN): 2018-19 Grassroots Communities Mining Mini-Grant Program

June 1, 2018. The IEN/WMAN Mining Mini-Grants Program offers financial grant assistance to communities threatened or adversely affected by mining in the U.S. and Canada. We recognize that mining activity often has detrimental impacts to all aspects of community and cultural well-being and IEN/WMAN encourages projects that strive to protect the environment, ecosystems, cultural resources, and community health from mining impacts. <http://www.ienearth.org/ien-wman-mini-grant/>

WaterSMART Grants: Small-Scale Water Efficiency Projects

July 31, 2018. DOI is accepting applications to provide assistance with water or power delivery authority to undertake specific small-scale water efficiency projects that have been prioritized through planning efforts led by the applicant. These projects conserve and use water more efficiently; mitigate conflict risk in areas at a high risk of future water conflict; and accomplish other benefits that contribute to water supply reliability in the western United States.

<https://www.energy.gov/indianenergy/funding/current-funding-opportunities>

■ Other Upcoming Trainings and Webinars

Geospatial Analysis for Optimization at Environmental Sites Webinar

June 19, 2018. 1-3:15pm EST. Optimization activities can improve performance, increase monitoring efficiency, and support contaminated site decisions. Project managers can use geospatial analysis for evaluation of optimization opportunities. Unlike traditional statistical analysis, geospatial methods incorporate the spatial and temporal dependence between nearby data points, which is an important feature of almost all data collected as part of an environmental investigation. The results of geospatial analyses add additional lines of evidence to decision making in optimization opportunities in environmental sites across all project life cycle stages (release detection, site characterization, remediation, monitoring and closure) in soil, groundwater or sediment remediation projects for different sizes and types of sites.

<https://www.itrcweb.org/Training>

Tribal Environmental Health Summit (TEHS)

June 24-26, 2018. OSU Corvallis, OR. The theme of the 3rd Tribal Environmental Health Summit is Sustaining Long Term Partnerships and Projects with Native American Communities. The Summit will provide participants with the opportunity to:
Showcase their latest research on Tribal environmental health science
Renew and solidify personal and professional networks
Increase stakeholders understanding of Tribal environmental health policy needs and goals
Provide an opportunity for students to explore a variety of relevant career paths

<http://blogs.oregonstate.edu/tehs2018/>

Superfund 101 Training Course

June 25-29, 2018. Philadelphia, PA. Superfund 101 consists of two introductory-level courses: Fundamentals of Superfund and Enforcement Process Overview. The target audience for each course is On-Scene Coordinators (OSC) and Remedial Project Managers (RPM). Fundamentals of Superfund provides an overview of the purpose, legal framework and implementation of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) for newly hired OSCs and RPMs. Enforcement Process Overview provides an overview of the EPA's Superfund enforcement process for OSCs and RPMs.

<https://trainex.org/offeringlist.cfm?courseid=254&all=yes>

Microbial Source Tracking Methods and an Application for Waterborne Disease Outbreak Response Webinar

June 27, 2018. 2:300-3:00pm EST. EPA's Office of Research and Development hosts this webinar series to share current research and results. Through innovative science and engineering, EPA's researchers are developing cost-effective, sustainable solutions to 21st century complex water issues. The scientific results and innovative technologies developed under the Safe and Sustainable Water Resources Research Program support EPA's mandate to protect the chemical, physical, and biological integrity of our Nation's waters and to ensure safe drinking water and water systems. <https://www.epa.gov/water-research/water-research-program-webinar-series>

Protecting Mother Earth Conference

June 28-July1, 2018. Nisqually Territories, WA. During the PME we will bring Indigenous community members, tribal leaders, traditional knowledge keepers, land defenders, seed keepers, and artists together to learn from each other as we envision what our path forward will be. The PME will feature panels, workshops, and sessions on topics including:

- Traditional Ecological Knowledge
- Just Transition

- Energy and Mineral Extraction
- Climate Justice
- Water Issues
- Food Sovereignty
- Indigenous Led Media
- International Indigenous Rights Issues

<https://www.eventbrite.com/e/protecting-mother-earth-conference-tickets-44528786800>

Removal Process for RPMs Training Course

July 10-11, 2018. San Francisco, CA. The Removal Process for Remedial Project Managers (RPM) course focuses on the various aspects of the removal process and various methods of integrating removal actions at National Priorities List (NPL) sites to complete Superfund response activities as quickly and effectively as possible.

<https://trainex.org/offeringlist.cfm?courseid=53&all=yes>

EPA Community Involvement Training Program

Wednesday, July 18 and Thursday, July 19, 2018 at the Intercontinental Hotel on the Plaza in Kansas City, MO. The training is intended for Superfund project managers, Community Engagement Specialists, and others who may play a role in Superfund community engagement activities. And it is free! For more information visit <https://www.epa.gov/superfund/community-involvement-training-program-0>. You can register at <https://trainex.org/2018-CITP-Registration/>

Remediation Management of Complex Sites Webinar

July 19, 2018. 1:00-3:15pm EST. This training course provides a recommended holistic process for management of challenging sites, termed “adaptive site management.” This process is a comprehensive, flexible, and iterative process that is well-suited for sites where there is significant uncertainty in remedy performance predictions. Adaptive site management includes the establishment of interim objectives and long-term site objectives that consider both technical and nontechnical challenges. Comprehensive planning and scheduled evaluations of remedy performance help decision makers track remedy progress and improve the timeliness of remedy optimization, reevaluations, or transition to other technologies/contingency actions.

https://www.itrcweb.org/Documents/TeamResources_OutreachMaterials/ITRC-2018-Classes-022818.pdf



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➡ **[Tribal Waste and Response Assistance Program \(TWRAP\)](#)**

TWRAP is a program focused on assisting tribes with all waste management, brownfields, USTs, contaminated sites, and response programs. This program is funded by the USEPA's Office of Land and Emergency Management.

➡ **[Tribal Solid Waste Education and Assistance Program \(TSWEAP\)](#)**

TSWEAP's focus is providing training and assistance to tribes working on solid and hazardous waste management and diversion. This program is funded by the USDA, IHS, and USEPA.