

25th Annual ITEC Conference Webinars

Monday July 27, 2020

TIME TRACK	Webinar
10:30 ам - 12:00 рм	Plenary Opening Prayer- James Williams Muscogee (Creek) Nation Keynote-Connie Sue Martin, Schwabe, Williamson & Wyatt RTOC Update- Wayne Isaacs-Cherokee Nation NTOC Update-Shawn Howard-Citizen Potawatomi Nation To register for the Plenary Webinar please click here
1:30 - 3:00 рм	Brownfields Grant Writing Workshop "EPA Region 6 Grant Writing Workshop", Denise Williams & Paul Johnson, EPA Region 6, Overview: National Brownfields Grant Competition Coordinators. EPA Grant Coordinators will present brownfield grant funding opportunities: including types of grants, amounts, eligibility, programmatic requirements, and tips on writing a successful application. To register for the Grant Writing Workshop please click here

Tuesday, July 28, 2020

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TIME TRACK	Webinar
	Lead Awareness "Benefits of Visualizing Years of Agency Wide Data!" Sala Senkayi, EPA Region 6, Overview: Dr. Sala N. Senkayi, the Acting Region 6 Quality Assurance Manager, worked with Shaun West of Cherokee Nation/ITEC Manager of Environmental Programs on visualizing various Lead sample datasets. Sala and Shaun were able to work alongside Dr. Bryan Chastain, Ph.D., National Geospatial Support Team/National Analytics Support Team, contractor to the U.S. EPA with GDIT. Bryan is the developer of the R6 Environmental Health Data (EHD) App. The app visualizes data from various sources using a scatterplot, maps along with the provided data. The data can either be added directly or pulled in from other sources (like CDC or other online databases) using an API connection for example. The novel tool helps the user note relationships of data collected over many years. The data is displayed in county and block group levels within several app dashboards, and can be used (for example) to identify areas with a higher percent of homes that were built before 1950 in addition to an area with a higher percent of samples containing lead paint obtained outside the homes and sampled by Cherokee Nation staff.

	"US EPA Lead Based Paint Renovation, Repair and Painting (RRP) Rule" , Mike Adams, EPA Region 6, Overview: Emphasizing the lead-safe work practices that are mandated under the rule.
	To register for the Lead Awareness Webinar please click here
	<u>Superfund</u>
	"Superfund Remediation at Tar Creek" , Summer King, Quapaw Nation, Overview: Update on the work being completed at the Tar Creek Superfund Site in Northeast Oklahoma, under the direction of the Quapaw Nation, State of Oklahoma and the Environmental Protection Agency. Since the Quapaw Nation began cleanup, more than 3 million tons of mine tailings removed and more than 350 acres returned to productive land use.
	"Tulsa Fuel & Manufacturing: From Smelter Contamination to Bee Haven", Michael Lee,
2:00 - 3:30 рм	ODEQ, Overview: During World War I, a smelter was constructed and operated south of Collinsville, Oklahoma to meet demand for zinc and lead. In 2017, a Superfund cleanup of waste and smelter metals was completed at the site. This presentation will discuss the cleanup process, challenges, successes, land reuse, and cooperation between Federal, State, and Tribal governments at the Tulsa Fuel & Manufacturing Superfund Site.
	"The Battle Continues in Navigating CERCLA and the Clean Water Act in the Coeur d'Alene Basin", Rebecca Stevens, Coeur d'Alene Tribe, Overview: Over the course of 10 years of EPA relying on the Coeur d'Alene Tribe and the State of Idaho to implement Lake protection measures outside of the Superfund process, hear how the Coeur d'Alene's have issued a 'Call for Action' due to declining water quality conditions.
	To register for the Superfund Webinar please click here

Thursday, July 30, 2020

TIME TRACK	Webinar
10:30 ам - 12:00 рм	Clean Air "Low-cost Air Sensors: EPA Update", Amanda Kaufman, EPA HQ, Overview: A presentation on air sensors and the resources available from the EPA Air Sensor Toolbox will provided, along with a discussion on sensor study design, collocation and other advanced topics. "National Air Toxics Assessment Map Tool Demonstration", James Payne, US EPA Air Quality Strategies & Standards Division/OAQPS, Overview: A brief presentation on the NATA online map will be followed by a live demo of its purpose, use, and ability. The NATA map is an interactive map that lets the user display risks, air emissions, and other NATA data on a map. Its intent is to represent ranges of cancer risks from exposure to airborne toxic compounds such as mercury, cadmium and benzene.

"Quality Review and Exchange System for Tribes: Online Air Data Management and Reporting Tool", Melinda Ronca-Battista, CQA/NAU ITEP, Overview: An overview of the QREST tool functionality will be provided. QREST is an open-source, non-proprietary platform that allows tribes to retrieve, manage, review and submit their ambient air monitoring data. To register for the Clean Air Webinar please click here **Pesticides** 'How NPIC Discusses Pesticide Risk with the Public", Costanza Fantoni, National Pesticide Information Center, Overview: This talk will introduce risk communication from the National Pesticide Information Center (NPIC). Topics include a summary of services and resources from NPIC and key elements of pesticide risk communication. The speaker will discuss why "hazard" vs. "risk" matters, and why it's important to frame your response in terms of "risk" rather than "safety." "Developing a Facility Integrated Pest Management and Pesticide Safety Plan", Ken McPherson, EPA Region 6, **Overview:** This presentation will present a facility integrated pest management and pesticide safety plan templet, with discussion of the key components of the document. Tribal members will be provided electronic copies 2:00 - 3:30 PM of the document templet to modify and utilize in their Tribal programs based on the Tribe's goals and objectives. These plans are applicable to Tribal schools, elderly care, health clinics, head start, parks and golf courses, government buildings, and other areas where Tribal members come to work, learn, and play. " eCommerce and Pesticides", Kristin Dunbar, EPA Region 6, Overview: This presentation will focus on what Tribal Members should be looking for when purchasing pesticide products through an eCommerce platform ensuring that FIFRA regulated pesticides purchased are compliant.

To register for the Pesticides Webinar please click here

Tuesday, August 4, 2020

TIME TRACK	WEBINAR
10:30 AM - 12:00 PM	Conservation Efforts "TSCAN Units on Tribal Trust Land", Dr. Carol Crouch or Gary O Neill, NRCS "Broadband, Distance Learning and Telemedicine Opportunities for Tribes", Dr. Carol Crouch or Gary O Neill, NRCS, "Financing Opportunities for Beginning and Underserved Producers and Youth", Dr. Lee Denney, Rural Development (RD)

"Tribal Alliance for Pollinators: Assisting Tribes with Habitat Restoration for Pollinators and Monarch Butterflies", Madeline Alewine, Farm Service Agency (FSA)

"Using Agriculture Census Data to Advance Forward", Jane Breckinridge, Tribal Alliance for Pollinators (TAP)

"Using Agriculture Census Data to Advance Forward", Troy Marshall, National Agriculture Statistics Service (NASS) Oklahoma Conservation Commission, "Addressing Feral Swine Issue in Oklahoma", Trey Lam, Oklahoma Conservation Commission

Overview: Continuously, Oklahoma USDA Agency's and Partners strive to make a difference in Indian Country. Whether it is through implementing better conservation practices, improving internet access to allow for more opportunities for learning or medical treatment, assisting producers with financing, increasing pollinators through habitat restoration, or using Ag Census data to make tribal or farm decisions, tribes and tribal members have the opportunity access these programs. But it has to start with learning what they are about. Join use to learn more about USDA and their partners can help you too.

To register for the Conservation Efforts Webinar please click here

ATTAINS

"Making Assessment Decisions on Water Quality: One Tribe's Approach", Kari Hedin, Fond du Lac Reservation, Overview: Using advice and guidance gained from being part of the Tribal ATTAINS Pilot, the Fond du Lac Band of Lake Superior Chippewa updated and streamlined our approach for analyzing our water quality data. We can then be confident in our data-based decisions on whether the water quality of our lakes and streams should be listed as meeting our water quality standards. ATTAINS stands for Assessment, Total Maximum Daily Load (TMDL) Tracking and Implementation System and its EPA's way of tracking and compiling water quality on a national scale.

2:00 - 3:30 PM

"ATTAINS Phased National Launch", Laura Shumway, EPA HQ, Overview: The ATTAINS pilot, initiated from Region 6 Tribes, has proven ATTAINS is a viable mechanism for publishing tribal assessment data. Now, pilot mentor tribes and EPA have created a phased national rollout which opens up the next phase to 15 additional tribes. This session will briefly go over the status of the phased national rollout and demonstrate the newly released HMW 2.0 application for which tribal assessment data will now be included and utilized for decision making.

"Making Connections: program enhancement using ATTAINS", Selena Medrano, EPA Region 6, Overview: Many things we do through our program are connected. Our waters are connected with designated uses, which are connected to criteria, which have decision rules, which are applied to sampling results to determine attainment of our waters. ATTAINS houses attainment decisions for our waters and can provide for program efficiencies and enhancements. We will discuss some of these connections and how they can potentially move your program forward.

To register for the ATTAINS Webinar please click here

Thursday, August 6

TIME TRACK	Webinar
10:30 am - 12:00 pm	Methamphetamine Hazards/Universal Waste "Wipe Sampling For Methamphetamine", Brad Asbill-Cherokee Nation, Overview: It is a brief overview of how Cherokee Nation Environmental Programs assesses contamination at dwelling units that are suspected of having a drug lab/drug use. It will cover sampling methodology, procedures and equipment; personal protective equipment; and post-decontamination sampling. "Meth Lab Overview", Craig Williams, Oklahoma Bureau of Narcotics, Overview: The presentation will cover one pot/ shake and bake labs, anhydrous ammonia/ Nazi labs, and red phosphorus labs. There will be a short overview over each method and some associated hazards. "Small Tribes Can Manage a Hazardous Waste Grant", Kara Davis & Rachel Harley, Kickapoo Tribe of Oklahoma, Overview: Our objectives were to inventory hazardous materials across all tribal departments; facilitate the beneficial reuse; host hazardous waste training events; implement a used oil collection program and host a community household hazardous waste collection event. To register for the Methamphetamine Hazards/Universal Waste Webinar please click here

Community Outreach

"Emergency Sheltering in a COVID World: How to build a Food Pantry", Polly Edwards, Caddo Nation, Overview: How to respond to an unprecedented event such as COVID-19 pandemic requiring large groups in the population to 'stay-at-home' quarantine. Procuring food staples, fresh produce and fruit, and providing social distancing protocols in drive thru delivery and home delivery for vulnerable tribal members that cannot shop for themselves.

Lessons Learned.

"Lead Poisoning for Community and Parents", Antoinette Arenas, Oklahoma State Department of Health, Overview: Describe community resources Oklahoma families are provided for additional assistance beyond your program. Describe follow-up methods used after families are referred for additional aid/services.

2:00 - 3:30 PM

"Maklaks Farm", Marissa Fahrig, Modoc Nation, Overview: In 2017, Tribal leadership indicated a need to diversify Modoc Nation's agricultural impact to focus on modernized farming as a means of cultural reclamation and economic development. With a successful ranching operation in place, this was a natural incorporation. NAAF 2019 funding was allocated to Modoc Nation to build a 6-Bed Pilot Controlled Environment Agriculture (CEA) System and perform training with Native farmers and ranchers interested in adopting this modernized and highly efficient farming style. Half-way through the grant year, it is clear that this project is an economic and cultural success. The 6-bed system is up and operating, currently raising 100 small tilapia and producing tomato, pepper, cucumber, onion, mint, lettuce and herb starts. Modoc Nation has named the system, which is a community resource, "Maklaks Farm" or "The People's Farm" in the Modoc language. Food from the system will be used in the Modoc Nation casino restaurant and distributed back into our community.

To register for the Community Outreach Webinar please click here

Tuesday, August 11, 2020

TIME TRACK	Webinar
10:30 AM - 12:00 PM	Water "Defining Reference-Condition Streams in the Northern Cross Timbers Ecoregion of Oklahoma", Dr. Bruce Moring, East Central University, Overview: In cooperation with the Kickapoo Tribe of Oklahoma's Department of Environmental Programs, researchers at East Central University (ECU) are conducting a study to define reference-condition streams in the Northern Cross Timbers Ecoregion of Oklahoma. Candidate stream sites were filtered based on land use, presence of point discharges, and characteristics of the riparian corridor in the contributing watershed upstream of each site. A final set of 15 study sites were selected, and reference condition at these sites is being evaluated using selected water-quality measures including: total nutrients, total phosphorous, and E. coli; and by the analysis of the structure and composition of the benthic macroinvertebrate community. The study is a three-year study, and ECU researchers have completed the first year of data collection with the second

year of data collection in 2020; and data analysis, interpretation, and reporting out scheduled for 2021.

"Modeling Groundwater in the High Plains (Ogallala) Aquifer: Past, Present, and Future", Erin Haacker, University of Nebraska, Overview: Scientists rely more and more on models to answer questions about natural resources, but how are these models made, and how are they related to data, let alone reality? This talk will cover some of the advances in computational methods for groundwater research, and give an overview of the trajectory of the High Plains (Ogallala) Aquifer, the largest freshwater aquifer in North America.

To register for the Water Webinar please click here

Natural Resources

"Restoring Habitat Injured from Releases of Hazardous Substance - The Natural Resource Damage Assessment and Restoration Process", Suzanne Dunn, US Fish & Wildlife Service, Overview: The goal of Natural Resource Damage Assessment and Restoration (NRDAR) process is to restore natural resources injured from oil or hazardous substance releases. The Trustees (Federal, State and Tribal governments) don't clean up a spill, they determine how much restoration in needed to restore areas impacted from the releases, using funds from the responsible parties. Oklahoma Trustees have settled NRDAR cases throughout the State, resulting in millions of dollars in settlements and hundreds of acres in restored habitat.

"Reducing Sediment and Nutrient Loads Through Stream Restoration", Sandi Formica, Watershed Conservation Resource Center, Overview: Streambank erosion associated with unstable river systems can contribute excessive amounts of sediment and nutrients loadings within watersheds. For example, approximately 66% of the annual sediment load from the West Fork of the White River (WFWR) is from severe streambank erosion. The WFWR is a major tributary within the Beaver Lake watershed, the primary drinking water for Northwest Arkansas. Restoring unstable streams, such as, the WFWR, not only improves water quality by reducing sediment and nutrient loadings within watersheds, but it also provides multiple benefits to the community by 1) improving the local ecology, 2) creating more recreation opportunities, 3) reducing land loss, 4) protecting infrastructure, and 5) addressing safety concerns.

2:00 - 3:30 PM

"Water as a Bridge for the Rural/Urban Divide: Lessons from the Nebraska Nitrate Initiative", Crystal Powers, Nebraska Water Center, Overview: Finding shared values around water quality issues has allowed us to bring together rural and urban partners seeking innovative solutions to Nebraska's long-standing groundwater challenges. I will share lessons learned from building the Nebraska Nitrate Initiative which includes partners from local, state, and federal agencies, tribal nations, academia, conservation and agricultural organizations. We will explore some of the methods we are using, including Collective Impact, design thinking, and strategic communications. These tools allow us to merge data and dialogue and begin to find a shared vision for the future of our state's water.

To register for the Natural Resources Webinar please click here

Thursday, August 13, 2020

TIME TRACK	Webinar
10:30 ам - 12:00 рм	Environmental/Safety Topics "Materials Management for Debris Planning and Emergency Response - The Disaster Debris Recovery Tool (DDRT)", Erik Christianson & Rachel Snavely-EPA Region 6, Overview: Debris management is one of many competing priorities that must be overseen following disaster events. While essential, the safe, proper and timely management of debris is often an overlooked component of emergency response. Disaster debris must be properly managed to protect human health, comply with regulations, conserve disposal capacity, reduce injuries, and minimize or prevent environmental impacts. This requires advanced planning and both pre- and post-disaster coordination between various levels of government as well as the private sector. "Collaborative Environmental Justice for Source Water Protection", Virginia LeClere,
	Prairie Band of Potawatomi Nation, Overview: Approximately 17% of Prairie Band Potawatomie Nation Reservation residents utilize private wells to meet their drinking water needs. Private well owners are responsible for the safety & prevention of contaminants within their own drinking water supply. Contaminants in groundwater can cause gastrointestinal, reproductive, and neurological illnesses. Reducing risk is particularly imperative for populations with compromised immune systems. The PBPN received an EAP Environmental Justice Grant aimed at reducing groundwater contamination and essentially protecting the health of community residents. Some key activities within this grant project include drinking water well monitoring, updating the GIS well inventory, and increasing the technical capacity for PBPN equipment operators, who will then utilize adopted best management and lagoon installation and maintenance.
	"The Double D's of Driving", Eddy Tijerina, National Safety Council, Overview: The presentation will focus on two at-risk driving behaviors causing issues for workplace transportation safety, Distracted Driving and Drowsy Driving. We will discuss what they are, why they are dangerous, and how employers can implement controls for these two at-risk behaviors.
	To register for the Environmental/Safety Topics Webinar please click here

Solid Waste/Recycling

"Recycling & Sustainability Activities at Cherokee Nation Environmental Programs",

April Hathcoat, Cherokee Nation, Overview: Discussion of our current recycling efforts, some

of the resources we have discovered, and our efforts toward sustainability.

2:00 - 3:30 PM

"Intentions into Actions: Motivating People to Take Steps for Change", Shasta Gaughen-Pala Band of Mission Indians, Overview: We all want our communities to do more to protect the environment, but even asking people to take simple steps like recycling or reducing their use of disposable plastics can be hard to do. This presentation addresses some of the most common barriers to getting people to change their behavior.

"A Green Team's Efforts Towards Sovereign Sustainability", Leya Charles, Prairie Island, Overview: Prairie Island Green Team presents a case study on their team's creation, community compost efforts, and goals towards a zero-waste system for waste disposal.

To register for the Solid Waste/Recycling Webinar please click here

Tuesday, August 18, 2020

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TIME TRACK	Webinar
10:30 ам - 12:00 рм	COVID-19 Response "Cherokee Nation's Response to the COVID-19 Pandemic", Todd Enlow, Chief of Staff, Cherokee Nation, Overview: Discussion on how Cherokee Nation responded to the COVID-19 pandemic. "Using Disinfectants Against COVID-19: List N, Precautions, and Efficacy", Amy Cross-Oregon State, Overview: Topics include how to tell apart cleaners, sanitizers, and disinfectants, why "contact time" is important for a disinfectant to work, precautions for disinfectants and wipes, and how to use EPA's List N to look for disinfectants against the COVID-19 virus. To register for the COVID-19 Response Webinar please click here

Underground Storage Tanks (UST)

"Changes to EPA UST Tribal Program", Ruben Moya-EPA Region 6, Overview: A discussion of what EPA has been finding during its recent inspections since the new regulations went into effect. What you need to know to ensure you are not making the same mistakes, and what requirements are being missed. Sometimes contractors are not aware of what needs to be done on Indian Lands. Also what changes will be occurring as we move forward to increase compliance on Indian Lands.

2:00 - 3:30 PM

"Are You Meeting the New UST Requirements for Your Facility?", Robert Glynn-EPA Region 6, Overview: A summary of the changes in the UST regulations which became effective on October 13, 2015. Under the new regulations additional requirements became effective on April 11, 2016 and finally a number of additional requirements were required as of October 13, 2018. This presentation will discuss what all the new requirements are, which are now required.

"UST Updates", David Hayes, Cherokee Nation/ITEC, **Overview:** ITEC staff will be discussing Underground Storage Tank updates.

To register for the Underground Storage Tanks (UST) Webinar please click here

Thursday, August 20, 2020

TIME TRACK	WEBINAR
	Species of Interest "Birds the Word at G.M. Sutton Avian Research Center", Miranda Adams, Sutton Avian Research Center, Overview: Discover how the Sutton Center is finding cooperative conservation solutions for birds through science and education. Take an inside look at our ongoing projects including bald eagle monitoring, captive breeding and reintroduction of endangered species, and educational outreach. "Increasing Pollinator Habitat Through a Wetland Education Center", Yvette Wiley, Iowa Tribe of Oklahoma, Overview: Rebuilding a wetland demonstration area at the Iowa Tribal complex allowed the opportunity to utilize native pollinator plants. On a small trail portion of

E-Enterprise

"Using E-Enterprise to Help Manage Environmental Programs", Jessica Snyder, EPA HQ, Overview: Description: E-Enterprise provides tribes an opportunity to participate in collaborative leadership council with EPA and State. Through key projects (some of which will be highlighted today), EPA, states and tribes are working together to streamline processes, as well as develop systems and platforms to improve workflow and reporting requirements.

2:00 - 3:30 PM

"Trying to Protect Health While Preserving Culture", Angie Reed, Penobscot Nation, Overview: Take a virtual walk with the Penobscot Nation Water Resources Program on the route they have taken to figure out how to help Penobscot Nation's citizens eat wild foods safely and communicate the cultural significance of this to the non-Native public. After many iterations of advisories and outreach materials, we have developed some clear and attractive brochures and posters as well as an engaging activity using goldfish snack crackers!

"Tribal Use of Citizen Science- Current and Future Visions", Cynthia Naha, Santo Domingo Tribe & Demi Gary, EPA, Overview: "Tribal use of Citizen Science- Current and Future Visions," presented by Cynthia Naha, will cover several examples of current tribal community science projects, and dig deep into how tribes uniquely use this approach. Based off a recent collaborative effort with the U.S. EPA, this presentation will cover results from interviews with tribal leads on specific community science projects and how First Nations would like to see community science evolve in the future.

To register for the E-Enterprise Webinar please click here

Tuesday, August 25, 2020

TIME TRACK	WEBINAR
10:30 am - 12:00 pm	"Ak Chin Community Project: Mold in Homes", Manny Gomez-Ak Chin, Overview: Discussion about the Ak Chin community mold project. "Innovations in Natural Resources Through GIS & Drone Aided Remote Sensing", Ryan Bonney, Shakopee Mdewakanton Sioux Community, Overview: Topics include novel uses for drones in modern natural resources management, some examples of photogrammetry and a general discussion on GIS and remote sensing capabilities that can be utilized to approach modern problems. It will also briefly cover some general drone program start up information for those interested in starting to utilize this technology themselves. "Tailgating - Not Just for Sports", Patricia Kilian, Muscogee Creek Nation, Overview: Due to the COVID-19 situation, Muscogee (Creek) Nation Conservation District had to shift from in-person gatherings to virtual gatherings in order to provide training and education to our citizens. The MCN Seal proudly displays the sheaf of wheat and the plow representing MCN Citizens as agricultural people. Preserving and passing down the Muscogee heritage is crucial in maintaining the culture for future generations. Tailgate Talks provides a fun and educational way to communicate topics on conservation and the environment.

 To register for the Tribal Projects Webinar please click here