



ATCEM

Alaska Tribal Conference on Environmental Management

Nov 14-17, 2017
Anchorage, Alaska

SAFE, HEALTHY AND
SUSTAINABLE ALASKA
COMMUNITIES



ALASKA NATIVE
TRIBAL HEALTH
CONSORTIUM

The Alaska Tribal Conference on Environmental Management, organized by the Alaska Native Tribal Health Consortium, is an annual gathering that brings Tribes, Non-profits, and State and Federal agencies together for learning, sharing and networking – with a focus on Alaska’s unique environmental health challenges and solutions.

**We are excited to welcome all of our
2017 ATCEM Participants and Presenters!**

ATCEM 2017 is a Green Star Certified Event



GENERAL INFORMATION

NAME BADGES

Name badges serve as conference attendees' entrance pass to all breakout sessions, meals and events. Please wear your name tag at all times.

SILENCE CELL PHONES

Please remember to turn off or silence your cell phones during all sessions. If you need to take a call please step outside the session.

EMERGENCIES

Dial 0 for the Hilton Anchorage hotel operator from any house phone and they will dispatch security, or call direct at 272-7411 and ask for the operator. You can also dial 911.

HILTON ANCHORAGE HOTEL CONTACT INFORMATION

500 W. Third Ave., Anchorage, Alaska 99501, 907-272-7411, www.hiltonanchorage.com

PARKING

The Hilton Anchorage offers valet parking at a rate of \$24 per day. Additional parking near the hotel is also available at the following locations:

- Lower Bowl (Third Avenue & E Street), 225 E St.: \$1/hour
- Post Office Mall, 344 W. Third Ave.: \$1/hour
- Howard Johnson, 220 W. Third Ave.: \$1/hour
- Fifth Avenue & B Street Garage, 420 B St.: \$1/hour

MESSAGES

A message board will be located at the registration desk on the second floor. Messages can be called in to the Hilton Anchorage at 907-272-7411. Please ask that the message be delivered to the Alaska Tribal Conference on Environmental Management registration desk.

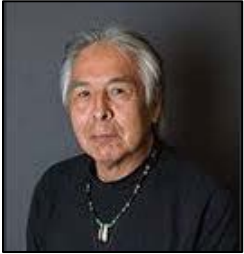
BUSINESS CENTER/ INTERNET

The Hilton Anchorage Hotel has a business center located on the lobby level. Wireless internet will be available in the meeting spaces.

OPENING CEREMONY

8:00AM – 9:30AM

TRIBAL BLESSING



Lee Stephan – Sometimes lovingly called “Mr. Lee,” born in Palmer, Alaska 1954, is president and 1st chief of the Native Village of Eklutna, the traditional tribal government of Eklutna Village. Lee lives in Eklutna Village with his wife, Anna (Golley) Stephan. Mr. Stephan has been in leadership of Eklutna since the 1980’s, serving on their ANCSA corporation board, Eklutna, Inc. and three of its subsidiaries, including its non-profit corporation Ikluat. He has also held managerial posts for all of these entities. Mr. Lee has also served on the board of directors for the Alaska Federation of Natives, the Alaska Native Health Board, the Alaska Native Tribal Health Consortium, the Alaska Inter-Tribal Council, RuralCAP, and Alaska Legal Services to name a few. He was commissioner on the Rural Governance Commission in the late 1990’s. Mr. Lee helped reactivate the village tribal government in 1984, becoming tribal administrator for 15, years, and the Tribal council president which brings him here today. In his capacity of Tribal council president Lee is here on behalf of the Eklutna tribe to welcome us onto his ancestral homelands.

ANTHC WELCOME



Michael Y. Brubaker, M.S. – Mike Brubaker is the director for the Community Environment and Health Department at the Alaska Native Tribal Health Consortium. Mike’s work focuses on helping rural Alaska communities achieve healthy environmental conditions. He was born in Juneau and raised mostly in Anchorage, where he still lives today. He earned a BS in Biology from St. Lawrence University and a MS in Environmental Management from the University of San Francisco. He has worked in the Alaska Tribal Health System since 1997, having spent ten years at the Aleutian Pribilof Island Association and the past ten years at the Alaska Native Tribal Health Consortium. He has been a regular participant at ATCEM since 1996.

STATE ADDRESS



Commissioner Valerie Nurr'araaluk Davidson – Valarie Nurr'araaluk Davidson is an enrolled tribal member of the Orutsaramiut Native Council (ONC). Davidson has worked for over 15 years as a national policy maker on matters affecting Indian Health. Most recently, she served as the Senior Director of Legal and Intergovernmental Affairs for the Alaska Native Tribal Health Consortium, where she represented Alaska Native health needs at federal and state levels. Davidson served as chair of the Tribal Technical Advisory Group to the Centers for Medicare and Medicaid Services (CMS) from its inception in 2004 until August 2014. She represented all tribes over a period that spanned the terms of several Secretaries of Health & Human Services under both Republican and Democratic administrations. Davidson was also the spokesperson, chief political and legal strategist for ANTHC’s Dental Health Aide Therapy Program, the country’s first mid-level dental program. Davidson served for 11 years as the Technical Co-Lead Negotiator of the Alaska Tribal Health Compact and served on a team to negotiate agreements with the Veterans Administration that allow rural veterans to seek care in their home communities. Valarie also negotiated a tri-party agreement to streamline rural sanitation construction projects with the U.S. Department of Agriculture, the State of Alaska and the Alaska Native Tribal Health Consortium. Davidson also served as Chair of the Foraker Group, Chair of the Alaska Commission on Children and Youth, as a member of the Alaska Health Care Commission, and the U.S. Department of Justice Advisory Committee on American Indian and Alaska Native Children Exposed to Violence. She currently serves as a Trustee of the First Alaskan’s Institute. Davidson earned her Juris Doctorate, with a certificate in Indian law, from the University of New Mexico School of Law, and a bachelor’s degree in education with a minor in bilingual education from the University of Alaska Southeast. Davidson, a Yup’ik was born in Bethel.



Princess Daazhrai Johnson - Mrs. Johnson is Neets'aai Gwich'in and her family is from Arctic Village, Alaska. Mrs. Johnson currently works as the Program Manager for the Holistic Approach to Sustainable Northern Communities at the Cold Climate Housing Research Center. She is also an actor/director/producer and has been a member of the SAG-AFTRA Native American Committee since 2007 and also serves on the Board of Dancing with the Spirit, a program that promotes spiritual wellness through music. Mrs. Johnson received a B.A. in International Relations from The George Washington University and a Masters in Education at the University of Alaska Anchorage with a focus on Environmental and Science Education. In 2015, she was appointed by President Obama to serve on the Board of Trustees for the Institute of American Indian Arts.

TRACKS AND SESSIONS

9:40AM – 10:40AM

WATER QUALITY & SANITATION: KING SALMON ROOM

WATER FLUORIDATION IN ALASKA

Today, there are 14 communities in Alaska that fluoridate, only 4 of these are non-hub rural communities. In 1992, there were 123. The CDC hails water fluoridation as one of the ten greatest public health achievements of the 20th century. There are 70 years of proof that water fluoridation is a safe and effective means to reduce dental decay by 20-40%. Alaskan Natives have some of the worst dental health in the nation, and though accessibility has improved with the Dental Health Aide Therapist (DHAT) Program, many rural residents still have very limited access to care. This presentation will talk about the history of water fluoridation in Alaska, provide an overview of ANTHC's Fluoride Promotion Program, and describe both the challenges and opportunities in Alaska concerning water fluoridation.

Presenter: Brian Berube, Alaska Native Tribal Health Consortium

MY CHANGING CLIMATE: LUPINE ROOM

16 YEARS OF CHANGE IN ALASKA

Ms. Kosbruk will present an overview of all the climate related changes that have occurred over the course of her 16-year life. This demonstrates not only the scope of change happening in Alaska, but also the rate of change.

Presenter: Elena Kosbruk, Youth

2016-2017 ALASKA WEATHER & CLIMATE REVIEW

It's been a busy year in the weather and climate world since ATCEM 2016. While not quite as extreme in most regards as 2015-16, there are many important events. We will review the highlights of the past year, within a historical context and take a peek at the outlook for the upcoming winter and spring.

Presenter: Rick Thoman, National Weather Service Alaska Region

SOLID & HAZARDOUS WASTE: ASPEN ROOM

SOLID WASTE CIRCUS

Solid Waste Circus is in town to entertain and treat you to the many wonders of solid waste management. We will have 5 different hands-on experiments and activities to amaze even the most knowledgeable solid waste professional.

Presenters: Sara Durand & the ADEC Solid Waste Program, Alaska Department of Environmental Conservation

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM

WHAT TO KNOW ABOUT AIR MONITORING

Join this introductory session to learn more about air monitoring, including: when you should do it, the different types of monitoring, and potential resources. This session will also cover the difference between regulatory and non-regulatory monitoring (doing a baseline study), project planning for quality assured data (QAPPs), and how to use monitoring data to determine next steps and inform decisions.

Presenters: Barbara Trost, Alaska Department of Environmental Conservation & Kayla Krauss, US. Environmental Protection Agency

TRIBAL AIR MONITORING SUPPORT (TAMS)

TAMS Center was created to provide air monitoring technical support to the tribes. TAMS Center currently offers support in many forms for tribal environmental professionals including: professional/ technical assistance, equipment loan, and training.

Presenter: Nicole Johnson, TAMS Steering Committee Member / Ugashik Traditional Council

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM

RESILIENCE AND SUSTAINABILITY IN RURAL ALASKA

Defining concepts and terms will enable participants to best understand what they can get out of the three days of sustainability and resilience sessions. This session will begin with a short presentation from an academic and planning perspective on key concepts and terms in sustainability and resilience. The session will then shift to a short discussion from an elder on what sustainability and resilience means in traditional culture. Finally, there will be a facilitated discussion with the audience on the synthesis of these perspectives and what participants can get out of the three days of sessions in this track.

Presenter: Davin Holen, Alaska Sea Grant & Wilson Justin

BROWNFIELDS: ILIAMNA ROOM

AN INTRODUCTION TO FIELD MONITORING TOOLS FOR BROWNFIELD SITES

Are you concerned about potential contaminated sites in your community? Would you like to conduct some preliminary environmental sampling but don't know what tools to use? We will discuss several options for tools that will help you perform the monitoring activities that you would like to conduct on drums, soil, and water.

Presenter: Sean Peterson, Zender Environmental Health & Research Group

11:00AM – 12:00PM

IGAP HOUR & BROWNFIELDS HOUR

EPA FY 19 NOTICE OF FUNDING AVAILABILITY

KING SALMON ROOM: EASTERN INTERIOR, UPPER YUKON, YUKON-KOYUKUK AND COPPER RIVER REGIONS:

Presenters: Sherry Davis & Susan Conbere

LUPINE ROOM: SOUTHEAST, NORTH SLOPE AND NORTHWEST ARCTIC REGIONS

Presenters: Michelle Davis, Andrea Bennett & Molly Vaughan

ASPEN ROOM: KUSKOKWIM AND NELSON ISLAND REGIONS

Presenters: Stacy Murphy, Santina Gay & Mahri Lowinger

BIRCH ROOM: ALEUTIAN AND PRIBILOF ISLAND AND BRISTOL BAY REGIONS

Presenters: Neverly Shoemaker & JR Herbst

FIREWEED ROOM: SOUTHCENTRAL, LOWER YUKON, NORTON SOUND AND BERING STRAIT REGIONS

Presenters: Katherine Brown, Nica Klaber & Joanne Brendle

BROWNFIELDS – FY18 – 128A STRP FUND REQUEST PROCESS**ILIAMNA ROOM: ALL REGIONS**

Presenters: Susan Morales & Robert Tan

1:30PM – 2:30PM

WATER QUALITY & SANITATION: KING SALMON ROOM**PER AND POLYFLUOROALKYL SUBSTANCES (PFAS) - SITE EXPOSURE AND YOUR HEALTH**

Perfluoroalkyl and polyfluoroalkyl substances (PFAS) are a group of manufactured chemicals used in industry and consumer products. More than 95 percent of us have measurable PFAS in our body. Scientists are still trying to understand how PFAS affects people at levels found in the environment. The Environmental Protection Agency (EPA) set a combined health advisory for two of the PFAS in drinking water. We are working on a number of sites where PFAS has contaminated the drinking water. We will describe routes of exposure, toxic effects, and challenges communities face after exposure to PFAS by review of site-specific information.

Presenters: Rhonda Kaetzel, US HHS/Agency for Toxic Substances and Disease Registry & Sandrine Deglin, Alaska Department of Health and Social Services

MY CHANGING CLIMATE: LUPINE ROOM**WHAT YOU NEED TO KNOW ABOUT FUTURE CLIMATE CHANGE IN ALASKA**

Nearly everyone knows climate is changing in Alaska, and science shows it is changing fast compared to historical changes. Impacts of climate change are already apparent in our state, with documented effects on resources, transportation, and the plants and animals we depend on. But what do we expect the climate changes to be in different parts of Alaska, and how fast are they likely to happen? In this session, projections of future temperature, precipitation, snow and other useful indicators, will be shared and some of their likely consequences discussed.

Presenter: Jeremy Littell, Alaska Climate Science Center

EVOLVING THE NATIONAL WEATHER SERVICE TO MEET ALASKANS 21ST CENTURY NEEDS

Every organization needs to adapt to changing times, and the National Weather Service (NWS) is no exception. The NWS in Alaska is in the process of its biggest change in 70 years, with new services and expertise to help Alaskans navigate weather, water and climate challenges of the 21st century. This presentation will provide ATCEM participants with an overview of how we're changing and how these changes will benefit Alaskan communities statewide.

Presenter: Rick Thoman, National Weather Service Alaska Region

SOLID & HAZARDOUS WASTE: ASPEN ROOM**RECOGNIZING AND PLANNING FOR HAZARDS: PPE, TRAINING, AND KEEPING YOURSELF SAFE**

This presentation will provide an overview of the collection and packaging of household hazardous waste prior to transport. Emphasis will be given to planning, worker PPE, packaging materials, and conducting a community collection event (ongoing vs. collection events).

Presenters: John Henry Jr., Native Village of Unalakleet & Reilly Kosinski, Total Reclaim, Inc.

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM**COMMUNITY ENGAGEMENT AND ROAD DUST**

Just getting started on dust work, but not sure where to begin? Trying to implement speed limits for dust control? Want to know more about dust monitoring? Join this session to learn how Luis started a "slow down" campaign in

Galena, how Fred engaged youth in Chitina to demonstrate the reductions in dust from slowing down, and also his experience with dust monitoring. Attendees will also learn what outreach tools are available from EPA, ADEC, and others for communicating about dust issues.

Presenters: Fred Dahl, Chitna & Kayla Krauss, US Environmental Protection Agency

LANDFILL IN OUR LUNGS

This presentation will cover disease vectoring out of landfills onto dirt roads and boardwalks, and contact with road dust from breathing in dust particles and tracking contaminants into your yard and home. I'll also talk about burning in landfills and the potential health impacts from smoke and ash. Please join me for this informative session.

Presenter: Ted Jacobson, EPA/SEE Program/Alaska

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM

GROWING FOOD AND COMMUNITY IN RURAL ALASKA

Since 2012, Tyonek Tribal Conservation District (TTCD) has worked with the Native Village of Tyonek (NVT) to develop an agricultural program aimed at enhancing food security and providing fresh organic vegetables to community members. Each year, TTCD and NVT work together to ensure community goals and needs are being met. The garden has grown into a 1.5-acre operation with two NRCS funded high tunnels (48ftx22ft), solar powered irrigation and ventilation systems, 15 outdoor raised beds, over 2,000 row feet of potatoes and mixed vegetable crops, perennial fruits, and plans for expansion in the coming years.

Presenter: Nicole Swenson, Tyonek Tribal Conservation District

COLLABORATIVE LEARNING AND TOOLS: ADAPT ALASKA

Adapt Alaska is a collaborative of communities, tribes, agencies, and nonprofits formed to enable communities to adapt to rapidly changing ocean and climatic conditions and changing terrestrial landscapes across Alaska. Adapt Alaska begins with a website that will lead users to practical climate change adaptation and resilience tools, resources and case studies, other web material specific to Alaska, with a focus on first person Alaskan stories of successes and lessons learned. Adapt Alaska is a tool designed to support and expand existing and networking, strengthening the benefits of face-to-face meetings and linking people with shared challenges.

Presenter: Davin Holen, Alaska Sea Grant

BROWNFIELDS: ILIAMNA ROOM

MANAGING BROWNFIELDS INFORMATION WITH THE BIT AND ACRES DATABASES & LAB

Managing Brownfields site information can be challenging. Kansas State University Technical Assistance to Brownfields (KSU TAB) manages the Brownfields Inventory Tool (BIT), which allows you to enter detailed site data, upload documents and pictures, generate maps and reports, including a Public Notice. BIT data can be transferred between GIS and other database systems, including US EPA ACRES. BIT is secure with user-controlled access. This session covers the basics of BIT and a separate lab is available to set up accounts and enter data. Bring your laptop! KSU TAB will be available during ATCEM to work with you one-on-one to streamline your data management and reporting.

Presenters: Blase Leven, Kansas State University, Bailey Richards, Alaska Native Tribal Health Consortium & Joe Kameroff, Native Village of Napaimute

2:50PM – 3:50PM

WATER QUALITY & SANITATION: KING SALMON ROOM

WATER QUALITY STANDARDS UPDATE

This session will focus on current and future actions being addressed by the ADEC Water Quality Standards Section. This includes an update on efforts to adopt antidegradation implementation regulations, revise Alaska's human health criteria, and a preview of potential water quality standards projects proposed for 2018 to 2020 through the triennial review process.

Presenter: Brock Tabor, Alaska Department of Environmental Conservation

MY CHANGING CLIMATE: LUPINE ROOM

TALKING CIRCLE

The talking circle is a traditional way for Alaska Native/American Indian people to listen, learn, and solve problems. It is a very effective way to remove barriers, allowing people to express themselves with complete freedom. Talking Circles use group process to addressing issues by involving a culturally appropriate approach, helping to ensure the successful outcomes. This talking circle will create a space for community members to talk about how climate change has impacted their communities.

Presenter: Moses Tcheripanoff, Alaska Native Tribal Health Consortium

SOLID & HAZARDOUS WASTE: ASPEN ROOM

YOUTH INVOLVEMENT WORKS

This session will include an overview of both an Urban and a Rural program that involves youth and recycling. Come learn what Anchorage, Teller and Diomedee do to involve youth and how it has been critical to their local success.

Presenters: Janelle Menadelook, Kendra Lee & Jonathan Henzie

AVCP'S YOUTH INVOLVEMENT IN THE ENVIRONMENTAL E-WASTE DRIVES

We will be discussing the success of the Association of Village Council Presidents (AVCP) 2017 Community of Bethel E-Waste Drives and Youth outreach. We will also discuss what works and what doesn't work to get community involvement in recycling and in reducing the waste stream.

Presenter: Ben Balivet, Association of Village Council Presidents

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM

COMBUSTION APPLIANCE AND SAFETY

With a long heating season, a major health threat in Alaska is combustion products such as carbon monoxide and particles. This session will provide tools for monitoring combustion products in a home and tools for teaching home occupants about how to maintain their heating appliances so they can have a healthy home. The session will also provide educational materials for youth to teach families and communities about healthy homes. Features of carbon monoxide alarms will be reviewed and a hands on activity on how to verify alarms are operating properly.

Presenter: Mansel Nelson, Northern Arizona University, Institute for Tribal Environmental Professionals

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM

GALENA BIOMASS PROJECT

Increased fuel costs prompted the village of Galena, Alaska to explore viable alternatives for heat production for a regional boarding school. A wood-fired boiler installation replaced dependence on an antiquated diesel system. Several community entities formed a non-profit organization, Sustainable Energy for Galena, Alaska, Inc. (SEGA), to provide the required biomass material. Chipped Alaska paper birch has been used to satisfy the annual heat load of 17.7 x10⁹ Btu. Compared to the status quo, use of the wood-boiler system will provide a cost savings of nearly 50% for the end consumer.

Presenter: Tim Kalke, Sustainable Energy for Galena, AK

BROWNFIELDS: ILIAMNA ROOM

US EPA BROWNFIELDS GRANTS AND ADEC BROWNFIELDS SERVICES OVERVIEW

The first half of the session will provide an overview of the resources that the EPA Region 10 Brownfield Program offers: the Brownfield ARC (104K) Competitive cooperative agreements, the Brownfield State and Tribal Response Program (128a) Capacity Building cooperative agreements, Targeted Brownfield Assessments (TBA). The second half of the session will provide an overview of the ADEC Brownfield Assessment and Cleanup services. The session will benefit Federally Recognized Tribes, Tribal Consortia, Regional/Village Corporations, and other forms of local governments in researching potential funds for cleanup of contaminated sites with a re-use plan in place.

Presenters: Mary Goolie, US Environmental Protection Agency & Lisa Griswold, Alaska Department of Environmental Conservation

WATER QUALITY & SANITATION: KING SALMON ROOM**WATER UTILITY BEST PRACTICES**

The goal of the Rural Utility Business Advisor Program (RUBA) is to increase the managerial and financial capacity of rural water and wastewater utility providers. The program is advisory only; travel and assistance is at the request of local utility staff.

Presenter: Joe Samaniego, Rural Utility Business Advisor

MY CHANGING CLIMATE: LUPINE ROOM**LEO AS A TOOL FOR MONITORING CHANGE**

The Local Environmental Observer (LEO) Network is an online platform that allows people to share information about environmental change in their community. This session provides an update on new features that enhance capacity for monitoring environmental change and planning for increased resilience.

Presenters: Erica Mitchell & Michael Brubaker, Alaska Native Tribal Health Consortium

SOLID & HAZARDOUS WASTE: ASPEN ROOM**SPECIAL WASTE MANAGEMENT: POLLUTED SOIL AND CONSTRUCTION & DEMOLITION DEBRIS**

This session will discuss how to prevent creating polluted soil and how to manage polluted soil when prevention fails. An update on current issues with construction and demolition debris will also be presented.

Presenters: Erin Gleason, Marty Brewer & Stephen Price, Alaska Department of Environmental Conservation

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM**IF I DON'T SEE IT OR SMELL IT, IT CAN'T HURT... CAN IT?**

Carbon monoxide (CO), a colorless, odorless gas, is responsible for the death of Alaskans every year. Anytime we burn anything (e.g., wood, fuel oil, etc.) some amount of CO is produced, like when we burn fuels for heating and when we burn fuels inside an engine. Though you can't see, smell or taste it, it can affect you or your family before you know it's there. Almost all Alaska homes have carbon monoxide, so it is important that we understand this toxic gas and how we can protect folks. Learn about how this gas poisons, how to detect and prevent it.

Presenter: Art Nash, University of Alaska Cooperative Extension

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM**HOLISTIC APPROACH TO SUSTAINABLE NORTHERN COMMUNITIES: OSCARVILLE PILOT PROJECT**

The Holistic Approach to Sustainable Northern Communities is built on a community-led process. An ongoing pilot program has shown that collaborations and partnerships between village leadership, supportive agencies and stakeholders, utilities and regional leadership can lead to significant progress in addressing prioritized community needs. The Yupik Native Village of Oscarville became the site of the pilot project in 2015 with the purpose of addressing the many elements of sustainability, including cultural tradition and a subsistence lifestyle, housing, water & sewer, energy, food security and climate change adaptation. Please join us for an update to this approach with Oscarville Community members, the Cold Climate Housing Research Center staff and ANTHC partner members.

Presenter: Princess Daazhrai Johnson, Cold Climate Housing Research Center

BROWNFIELDS: ILIAMNA ROOM**MAPPING YOUR BROWNFIELD SITES WITH GOOGLE MAPPING TOOLS**

Keeping track of large numbers of Brownfields sites can be a challenge, and with limited time and money it may be necessary to move beyond traditional Geographic Information System (GIS) approaches. Luckily there are a variety of free geospatial tools that can be used on mobile devices, allowing data entry and map editing on site and offline. The Kansas State University Technical Assistance to Brownfields (KSU TAB) team has developed easy workflows that will allow you to move efficiently between the office and field sites and interface with your Brownfield Inventory Tool (BIT) database. An additional lab will be offered so bring your laptops and Android devices.

Presenter: Cynthia Annett, Kansas State University Technical Assistance to Brownfields

GENERAL SESSION

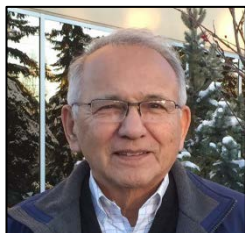
8:00AM – 9:30AM

PERFORMANCE



Ossie Kairaiuak – Mr. Kairaiuak is Yup'ik from the Village of Chefnak. The youngest of ten siblings, Ossie grew up living a traditional way of life, learning the values of song and dance, seal-hunting, and traditional wood working from his father. In 1991, he graduated from the University of Alaska Fairbanks with a Bachelors in Art and Sulpture. Today, Ossie is known for his craftsmanship in drum making, mask carving and traditional song composing. He has travel the globe sharing Inuit Indigenous knowledge and history through his widely known music group, Pamyua.

KEYNOTE SPEAKER



Emil Notti – Mr. Notti has held many positions including the first president of the Alaska Federation of Natives, President of Doyon Limited, and he has served under several Alaska Governors as the Deputy Commissioner of Health and Social Services, Commissioner of Community Regional Affairs and Commissioner of Commerce, Community and Economic Development. Mr. Notti was a force behind the land claims movement and negotiations that culminated in the Alaska Native Claims Settlement Act (ANCSA) of 1971. He was instrumental in calling for a statewide convening of Alaska Natives from every region in the state. Mr. Notti was born in Koyukuk, AK. He graduated from Mt. Edgecumbe High School and earned a Bachelor of Science degree in aeronautical and electrical engineering from Northrop University. He is a U.S. Navy Veteran – 4 years active and 4 years reserve and was honorably discharged. He has also worked for the Federal Aviation Administration in Alaska as an electronic engineer.

TRACKS AND SESSIONS

9:40AM – 10:40AM

WATER QUALITY & SANITATION: KING SALMON ROOM

PROTECTING DRINKING WATER SOURCES FROM SOLID WASTE ACTIVITIES

This session will present the Rural Community Assistance Corporation's (RCAC) current work being conducted in Kotlik and Eek, which involves providing community outreach and education on source water protection; field training for solid waste and water operators; and initial landfill assessment to determine if drinking water sources may be affected by solid and other waste management activities. These projects are funded by the USDA-RD Solid Waste grant program. Kotlik and Eek representatives have been invited to share experience with their projects.

Presenter: Jacqueline Shirley, MPH, Rural Community Assistance Corporation

MY CHANGING CLIMATE: LUPINE ROOM

ALASKA OCEAN ACIDIFICATION NETWORK

Ocean acidification (OA), has produced a 30% increase in the acidity of the world's oceans over the last 300 years. Alaska is expected to experience the effects of OA faster than lower latitudes due to its cold water, impacting resources important for subsistence. To address these concerns, the Alaska Ocean Acidification Network was formed in 2016 to engage with scientists and stakeholders to expand the understanding of OA processes and consequences in Alaska, as well as potential adaptation strategies. This presentation will provide an overview of OA, activities of the network, and ways to get involved.

Presenter: Darcy Dugan, Alaska Ocean Observing System

BERINGWATCH AND CITIZEN SENTINEL: COMMUNITY-BASED MONITORING IN THE BERING SEA/ALEUTIAN ISLANDS

The Bering Sea and Aleutian Islands have been the focus of intensive research in recent decades. The rapid pace of climate change has increased scientific uncertainty regarding future productivity and resilience of this and other arctic ecosystems. There is an urgent need to increase the seasonal breadth and spatial resolution of monitoring efforts to track changes in arctic-influenced regions. This is where community-based ecological monitoring can play a valuable role. The goal of the BeringWatch/Citizen Sentinel program is to enable community members to collect reliable local environmental data in order to support and inform decisions that affect the region. The value of this approach and the proven competence of communities to collect these data have been demonstrated through various projects conducted over the past decade by Alaskan tribal organizations such as the Aleut Community of St. Paul Island Tribal Government Ecosystem Conservation Office, the St. George Traditional Council Kayumixtax Eco-Office and the Agdaagux Tribe of King Cove, the villages of False Pass and Akutan, and most recently in Unalaska and Hooper Bay. Come learn about how this program can strengthen local observer networks in Alaska!

Presenter: Lauren Devine, Aleut Community of St. Paul Island

SOLID & HAZARDOUS WASTE: ASPEN ROOM

LANDFILL AIRSPACE – WHAT DOES IT COST?

Ever wonder what your landfill airspace fee should be? Come and learn the real cost of your landfill's airspace from a Top Tier Engineer. A tool will also be available that will calculate the cost of a new landfill.

Presenter: Ted Hawley, HDR, Inc.

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM

ASTHMA- RESOURCES FOR COMMUNITY EDUCATION

Asthma is a respiratory condition that is highly impacted by poor air quality. Many air pollutants are asthma triggers. Through a focus on healthy cleaning practices and making environmental adjustments in the home and school environment, we can improve the quality of life for children and families. Reducing asthma symptoms also reduces absences from school and work. This session will introduce asthma outreach materials and educational resources. The session will also include a demonstration on how to reduce viruses on high-use surfaces without degrading air quality.

Presenter: Mansel Nelson, Northern Arizona University, Institute for Tribal Environmental Professionals

CHILDREN'S ENVIRONMENTAL HEALTH 101

Children are not little adults, and are more vulnerable to pollutants than adults due to differences in behavior and biology. Kids face greater exposure and risks from their background environment, and are particularly susceptible during key stages of development. Learn what EPA and our partners are doing to protect children from environmental health risks where they live, learn and play. Information will be shared on available resources like the Sensible Steps to Healthier schools guide, ways to integrate into IGAP work-plans, and partnerships such as the Rural Alaska Children's Environmental Health Initiative.

Presenter: Bryan Fiedorczyk, US Environmental Protection Agency

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM

EROSION AND WATER LEVEL MONITORING – ENVIRONMENTAL PROGRAM METHODS AND IMPLEMENTATION

The community-based erosion monitoring project, Stakes for Stakeholders, is underway at 10 locations throughout Bristol Bay. Since installation, erosion was measured at critical infrastructure locations in multiple participating communities and methods adjusted to ease implementation and address local concerns for additional environmental changes. The project was originally designed to use time-lapse cameras to measure eroding river banks and coastal shorelines, however, some participating tribes were more concerned with water levels or localized flooding. This presentation will discuss project progress for monitoring both erosion and water levels with time-lapse cameras and outline how to establish similar assessments for tribal environmental programs.

Presenters: Jacqueline Overbeck, State of Alaska DNR, Division of Geological & Geophysical Surveys & Sue Flensburg, Bristol Bay Native Association

BROWNFIELDS: ILIAMNA ROOM

HOW THE TRIBAL RESPONSE PROGRAM CAN GET INVOLVED IN THE EIS PROCESS

The Chuathbaluk Traditional Council has been a cooperating agency in the Donlin Gold Environmental Impact Statement (EIS) Process since 2013. As such, they review baseline sampling, background technical material, and draft chapters of the EIS. Once the draft EIS goes out to the public, very little is usually changed by public comment. But by being involved from the beginning, tribes can shape the alternatives that go forward, ensure that the risk to subsistence resources is assessed properly, and apply pressure for specific mitigation and monitoring actions. Together these may help reduce the risk of a project becoming a future contaminated site.

Presenters: Patricia Yaska, Chuathbaluk Traditional Council & Kendra Zamzow, Center for Science in Public Participation

11:00AM – 12:00PM

IGAP & BROWNFIELDS HOUR

EPA GAP SOLID WASTE MANAGEMENT ALLOWABLE COSTS

KING SALMON ROOM: EASTERN INTERIOR, UPPER YUKON, YUKON-KOYUKUK AND COPPER RIVER REGIONS

Presenters: Sherry Davis & Susan Conbere

LUPINE ROOM: SOUTHEAST, NORTH SLOPE AND NORTHWEST ARCTIC REGIONS

Presenters: Stacy Murphy, Michelle Davis & Molly Vaughan

ASPEN ROOM: KUSKOKWIM AND NELSON ISLAND REGIONS

Presenters: Santina Gay & Mahri Lowinger

BIRCH ROOM: ALEUTIAN AND PRIBILOF ISLAND AND BRISTOL BAY REGIONS

Presenters: Neverly Shoemake & JR Herbst

FIREWEED ROOM: SOUTHCENTRAL, LOWER YUKON, NORTON SOUND AND BERING STRAIT REGIONS

Presenters: Katherine Brown & Nica Klaber

BROWNFIELDS – EPA BROWNFIELD TRIBAL RESPONSE PROGRAM EVALUATION OF CAPACITY BUILDING INDICATORS

ILIAMNA ROOM – ALL REGIONS

Presenters: Susan Morales & Robert Tan

ENVIRONMENTAL EXCELLENCE AWARDS LUNCHEON

12:00PM – 2:00PM

Every year at ATCEM we present four Environmental Excellence Awards to recognize the hard work performed every day for preserving our environment for future generations.

This year's categories include:

COMMUNITY/GROUP

A group or team that has worked together to improve their local environment.

NEW ENVIRONMENTAL PROFESSIONAL

An individual who is just getting started but shows promise to be an up and coming environmental leader.

DR. JAMES BERNER AWARD FOR CHILDREN'S HEALTH

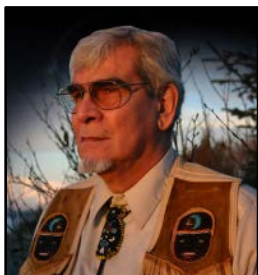
An individual who has made a significant contribution to improving the environmental health of Alaska Native Children such as a local environmental employee, teacher, health aide, youth group leader or other community member.



Dr. James Berner is a pediatrician and recognized authority on the health of children in the Arctic. For the past 43 years he has worked in Alaska as a physician with the U.S. Indian Health Service. He founded and led the Alaska Native Traditional Food Safety Monitoring program, which assesses contaminants and micronutrient levels in pregnant Alaska Native women, and evaluates health effect in mothers and newborn infants.

WALTER PORTER LIFETIME ACHIEVEMENT

A motivated and dedicated individual who has contributed a significant amount of time to improving their local environment. This individual is a true inspiration deserving the highest honor.



Walter Porter, a Tlingit from Yakutat, Alaska – born into the Raven, Dis Hit (Moon House) invested a lifetime of passion, insight, dedication and care for our sacred environment. This award is in honor of his tireless vision.

PERFORMANCE



Spirit – the 7th Fire of Alaska - A truly magnificent masterwork, shows how diverse cultures can collaborate to create an entirely new vision for establishing balance and harmony both within ourselves and with the natural world. Brought to you by the Alaska Native Heritage Center, Alaska Dance Theater and Theater Artists United. Spirit-the 7th Fire of Alaska is an Alaska Native adaptation of Peter Buffet's multicultural rock and dance spectacular. Spirit – The 7th Fire tells a dramatic story of one man's journey to find balance between the culture in which he exists and his roots, rich in heritage, tradition and connected to the natural world. It is a journey of self-discovery that renews within him the mystery, beauty and spirit of his ancestors and bring him into a magical place where his past meets his present. Spirit-the 7th Fire of Alaska will perform three songs from the show.

WATER QUALITY & SANITATION: KING SALMON ROOM**SOLID WASTE MANAGEMENT AND DRINKING WATER: OVERLAPS AND INTEGRATION**

This session will be on Integrated Solid Waste Management Planning and Safe Drinking Water. We will talk about how these two divisions collaborate during the planning stages to protect water sources, alternative water sources, lakes and streams. Provide regulatory guidelines in siting new proposed landfill locations, turning vicious circle into virtual circle.

Presenters: Thomas Brower & Katherine Brower, Yukon River Inter-Tribal Watershed Council

MY CHANGING CLIMATE: LUPINE ROOM**HOW FIVE COASTAL RESILIENCE WORKSHOPS BECAME “ADAPT ALASKA” AND WHERE TO GO NEXT?**

In 2016 Alaska's Landscape Conservation Cooperatives joined the Aleutian Pribilof Islands Association, Alaska Sea Grant, the Alaska Ocean Observing System as well as several agencies, tribal organizations and tribes to host workshops about coastal climate change. These workshops engaged 300+ people from 52 tribes and 18 federal and state agencies in regional conversations about changes underway and how Alaskans can work together to address them. This effort resulted in an emerging statewide coalition interested in sharing ideas and resources to find ways to adapt to Alaska's changing climate. Please join us to learn about our efforts and share your ideas.

Presenter: Aaron Poe, Aleutian and Bering Sea Islands, LCC.

SOLID & HAZARDOUS WASTE: ASPEN ROOM**HAZARDOUS WASTE TRANSPORT: WHAT YOU NEED TO KNOW**

This session will provide real examples from experienced individuals who transport Hazardous Materials in and out of rural Alaska. Come and learn what you need to do to complete this work legally in both the United States and Canada.

Presenter: John Clark, Waste Management, Inc.

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM**BASELINE AIR MONITORING: AN EASY LABYRINTH TO NAVIGATE – KINDA**

IGAP Staff at the Wrangell Cooperative Association wanted to learn more about ambient air monitoring. To accomplish this goal, they applied and received funding for a mini grant with ANTHC. Come hear about how easy a Quality Assurance Project Plan (QAPP) can be, how to tap into resources around you, and how the results may teach you more than expected!

Presenter: Chris Hatton, Wrangell Cooperative Association

LESSONS FROM A FIRST LOOK AT INDOOR AIR QUALITY

In the winter of 2017, Hoonah Indian Association undertook an indoor air quality study of particulate matter 2.5 (PM2.5) and carbon monoxide (CO). The study sought to quantify PM2.5 and CO in households, and to quantify or document underlying drivers of indoor air quality issues. Through the study we surveyed 65 homes, and a subset of those homes received a PM2.5 monitor and a CO monitor. Our work was joined strongly with public outreach. Along with the survey, homeowners were given a brochure on the intent of the study, and how they may improve their indoor air quality. At the conclusion of the study we created personalized results for each household putting their house in the context of our results. The most significant finding showed households with stoves greater than 20 years old had significantly higher emissions of PM2.5 than houses with stoves less than 20 years old, and that those stoves were outputting 1.5 times greater PM2.5. We also found a need for weatherization and ventilation upgrades.

Presenters: Ian Johnson & Jeromy Grant, Hoonah Indian Association

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM

DOCUMENTING LOCAL KNOWLEDGE OF CHANGING WILDLIFE HABITATS AND ADAPTIVE CONSIDERATION OF LARGE LAND MAMMAL HUNTERS TO THE EFFECTS OF CLIMATE CHANGE IN AK GAME UNITS 9B-C, 17, 18 AND 19A-C

Participatory landscape mapping is an effective method for documenting geospatially specific local ecological knowledge of changing wildlife habitats and environmental conditions. This presentation will highlight results from a recent project focused on mapping local knowledge of caribou behavior dynamics in relation to ecological change in Alaska Game Management Units 9B-C, 17, 18, and 19A-C. The primary adaptive considerations of subsistence large land mammal hunters to changing environmental conditions are a.) access and b.) prey switching. Human-large-land-mammal-subsistence-system resilience depends on hunters being flexible in regards to targeted prey species and access methods and on resource managers flexibly adapting legal hunting seasons to times when local travel conditions are optimal.

Presenter: James Van, Alaska Department of Fish and Game

BROWNFIELDS: ILIAMNA ROOM

MINING IN THE YUKON RIVER WATERSHED: THE BIG PICTURE

Information about mining for the entire Yukon River Watershed (YRW) can be difficult to access, partly because the watershed crosses international and territorial borders, but an understanding of the 'big picture' is needed to inform decision making and focus water quality protection efforts. The Yukon River Inter-Tribal Watershed Council was directed by our leadership to provide informational tools to better understand mining issues in the YRW, consequently an interactive on-line map displaying mining activity within the YRW was compiled from the best available information. This map will be presented including some findings that became clear from this effort.

Presenter: Maryann Fidel, Yukon-Kuskokwim River Inter-Tribal Watershed Council

THE NEED FOR FEDERAL INVOLVEMENT IN THE TRANSBOUNDARY ISSUE

Major mining projects are going into operation in British Columbia, Canada that could severely impact our Way of Life in Alaska. This international issue requires international solutions. We applaud the Walker Administration's efforts to work with BC but we need the federal governments involved for legally binding agreements such as the Boundary Waters Treaty of 1909.

Presenter: Frederick Olsen Jr., SE Indigenous Transboundary Commission

3:15PM – 4:05PM

WATER QUALITY & SANITATION: KING SALMON ROOM

WATER IS CULTURE: USING CULTURAL KNOWLEDGE TO UNDERSTAND AND ADDRESS WATER AND SANITATION NEEDS IN RURAL ALASKA

The problem of water insecurity is understood and responded to in different cultural ways based on one hand, on "Western" knowledge systems, and on the other, traditional knowledge and values. In this presentation, I draw on interviews conducted with Inupiaq and Yupik community Elders and residents to describe how traditional knowledge and values shape household responses to water insecurity. I then describe the cultural differences between these Alaska Native knowledge systems and the values, roles, and practices upon which water management is based. I then suggest some ways we might start integrating traditional knowledge and values into water management practice in ways that promote sustainable water security.

Presenter: Laura Eichelberger, University of Texas San Antonio

MY CHANGING CLIMATE: LUPINE ROOM**TRIBAL CLIMATE ADAPTATION PLANNING IN NOME: HEALTHY PEOPLE AND HEALTHY ECOSYSTEMS IN A CHANGING CLIMATE**

The Nome Eskimo Community (NEC), in collaboration with the University of Alaska Fairbanks, developed a climate adaptation plan with the Nome based tribes (NEC, Native Village of Solomon, Native Village of Council, and King Island Native Community). The climate adaptation planning process consisted of: (1) interviewing community members to scope the planning process; (2) facilitating four workshops in Nome to identify impacts of concern, share goals, and prioritize adaptation actions; (3) developing a climate adaptation plan; and (4) participating in outreach. This presentation discusses how the plan was developed, the climate adaptation strategies identified, and lessons learned.

Presenters: Jacob Martin, Nome Eskimo Community & Nathan Kettle, University of Alaska Fairbanks

SOLID & HAZARDOUS WASTE: ASPEN ROOM**SOLVE THE PUZZLE: THE 9 PIECES TO PUT YOUR SOLID WASTE PLAN INTO ACTION TRAINING**

Having trouble convincing your community to pay fees? Finding that your solid waste program starts and stops or doesn't seem to improve? Based on a successful model developed by the USDA, this session looks at your solid waste management program as a utility operation. We use self-assessment exercises and discussions to explore the 9 management areas that contribute to effective and sustainable utility management. You will learn your own program's weaknesses and strengths in each management area, and leave with an identified approach to improving your program.

Presenter: Sean Peterson, Zender Environmental Health & Research Group

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM**USING THE ROAD DUST SURVEY AS A TOOL FOR COMMUNITY DUST PLANNING**

ADEC's Rural Road Dust Survey continues to be a useful tool for identifying challenges and road issues for rural communities throughout Alaska. This session includes a presentation about the results of the 2010-2016 surveys and how the survey can be used as a first step in community self-assessment for identifying essential information and road characteristics for planning a road dust strategy. The presentation will be followed by an open discussion for attendees to share their challenges and successes in addressing dust. Tribal representatives and agencies with a role in dust work will participate, share information, and ask questions.

Presenters: Kayla Krauss, US Environmental Protection Agency & Vanessa Crandell-Beck, Alaska Department of Environmental Conservation

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM**ALASKA HEALTHY COMMUNITY: A NEW WAY TO SHARE COMMUNITY HEALTH CHALLENGES AND SOLUTIONS**

Alaska Healthy Community is a new online platform for Alaskan communities to document, share, and discuss their community health challenges and solutions. The project, with funding from EPA, is being developed by ANTHC in partnership with the community of Golovin, but will soon be available to all Alaskan communities. Many tools already exist for communities to develop and store documentation, but Alaska Healthy Community differs in a number of important ways. Most importantly, it has a strong emphasis on "community storytelling" as a narrative technique. We feel that this is the best possible way to communicate and engage a wide audience. The challenges faced by any community are interconnected - spread across time, space, people, topic, and medium. Gathering all this into a cohesive, intuitive, compelling narrative in order to help communities become more resilient is the goal of Alaska Healthy Community. This session will briefly discuss the Alaska Healthy Community pilot project, and will conclude with a demonstration of how it is being used in the community of Golovin.

Presenters: Michael Brook & Desirae Roehl, Alaska Native Tribal Health Consortium

BROWNFIELDS: ILIAMNA ROOM

THE TCC BROWNFIELDS TOOL

The Brownfields Tool is a 9-page document written by Tanana Chiefs Conference Tribal Response Program. It can be used to: identify Brownfields, separate Brownfields from generic contaminated sites, and determine the steps after site identification. The steps include: community involvement, Brownfield Inventory, funding, assessment, cleanup, reuse, contamination prevention, proper land procurement policies, liability issues, references available, and definitions.

Presenter: Desiree Andon, Tanana Chiefs Conference

ADEC'S QUALIFIED SAMPLER PROGRAM: FROM REGULATION TO REALITY

In July 2015, ADEC added regulations allowing for a "Qualified Sampler" credential. The idea was to promote and allow rural Alaskans to collect soil and water samples for Brownfields and contaminated sites projects. The primary requirements to become a Qualified Sampler are the completion of an environmental sampling training program and at least three months of experience under the supervision of a Qualified Environmental Professional. Training is available. However, obtaining three months of experience is proving difficult. This presentation will focus on ideas and solutions to allow rural Alaskans to become practicing Qualified Samplers.

Presenter: Ben Martich, Geosyntec Consultants

4:15PM – 5:00PM

WATER QUALITY & SANITATION: KING SALMON ROOM

ARCTIC COUNCIL INITIATIVE TO IMPROVE HEALTH IN THE ARCTIC REGION THROUGH IMPROVED ACCESS TO HOUSEHOLD RUNNING WATER AND SEWER

In 2015, an Arctic Council Sustainable Development Workgroup initiative was begun to document the extent of water and sanitation services (WASH) in Arctic Nations, the related health indicators and climate-related vulnerabilities to WASH services. This presentation will discuss the current status, trends and barriers to service, documented health consequences and emerging issues associated with water and sewer service in the Arctic. Recommendations for future development will also be discussed.

Presenter: Jonathon Bressler, Alaska Section of Epidemiology

MY CHANGING CLIMATE: LUPINE ROOM

TALKING CIRCLE - COMMUNITY INITIATIVES TO ADDRESS CLIMATE CHANGE

The talking circle is a traditional way for Alaska Native and American Indian people to listen, learn, and solve problems. It is a very effective way to remove barriers and to allow people to express themselves with complete freedom; incorporating the group process in addressing issues by involving a culturally appropriate approach can help ensure the possibility of successful outcomes. This talking circle will allow people to share the work their community has done to address the effects of climate change. This can include experiences, current, past, or future projects and ideas.

Presenter: Erica Mitchell, Alaska Native Tribal Health Consortium

SOLID & HAZARDOUS WASTE: ASPEN ROOM

OHEL TRAINING SUCCESS

Join Ted Jacobson and Charlie Ess for a short film and a presentation about a highly successful venture where operators of heavy equipment from four villages in the Northwest Arctic polished up their skills and added new life to the Ambler Landfill. Creative partnerships with the City of Ambler, USDA, RurAL CAP and the expertise of six well-trained operators added decades of life to the landfill. Could this be replicated in your community? Take a look and join the discussion.

Presenters: Ted Jacobson & Charlie Ess, RurAL CAP

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM

RADON IN ALASKA

Radon gas is 'all natural', odorless and invisible- but it's radioactive, and the second leading cause of lung cancer. Radon gas is from the deterioration of uranium, of which there is an abundance in parts of Alaska, yet there are other factors which determine the presence radon gas in your home. Where is the uranium? What additional factors can you control to reduce your exposure of radon? How do you test for radon? Is there a way to avoid it when you build a new home? This session will answer ALL of these questions for your home and will equip you to tell others.

Presenters: Art Nash, University of Alaska Fairbanks Cooperative Extension; Leif Albertson, University of Alaska Fairbanks Cooperative Extension-Bethel, and Mansel, A Nelson, Northern Arizona University - Institute for Tribal Environmental Professionals

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM

USING LEO NETWORK TO MONITOR LOCAL ENVIRONMENTAL CHANGE

LEO Network is an online platform that allows people to share information about environmental change in their community. This session provides an update on new features that enhance capacity for monitoring environmental change and planning for increased resilience.

Presenters: Michael Brubaker, Alaska Native Tribal Health Consortium

BROWNFIELDS: ILIAMNA ROOM

LET'S TALK ABOUT LIABILITY

To address contamination at brownfields properties, eligible entities must demonstrate that they are not liable under CERCLA for the contamination at the site. This session will focus on the regulations that govern contaminated site cleanup at brownfields sites, who is potentially responsible, liability protections, and conducting "All Appropriate Inquiries" as a way to protect yourself from future liability. We'll also cover the ADEC process for providing notification of potential liability at a contaminated site, and steps that can be taken to begin addressing the issues at the site.

Presenter: Christy Howard, Alaska Department of Environmental Conservation

GENERAL SESSION

8:00AM – 8:30AM

KEYNOTE PRESENTER



Dr. Robert Onders – Dr. Robert Onders joined the Alaska Native Tribal Health Consortium in 2015 as the Medical Director of Community and Health Systems Improvement. Prior to joining the Alaska Native Tribal Health Consortium, Dr. Onders worked as clinical director for Kodiak Area Native Association and emergency department director at West Park Hospital in Cody, Wyoming. Dr. Onders graduated from a combined six year B.S/M.D. program through Kent State University and Northeast Ohio Medical University in 1997. He completed his family medicine residency, Juris Doctorate, and Mater of Public Administration with the University of Wyoming. Currently, Dr. Onders is also serving as the Interim President of Alaska Pacific University.

TRACKS AND SESSIONS

8:30AM – 9:30AM

WATER QUALITY & SANITATION: KING SALMON ROOM

INNOVATIVE SANITATION SOLUTIONS - PORTABLE ALTERNATIVE SANITATION SYSTEMS

The Portable Alternative Sanitation System provides basic sanitation needs: handwashing, clean drinking water, safe human waste disposal, and quality of life improvements in the home. This system allows the homeowner to relocate the unit as needed.

Presenter: Jacqueline Qatalina Schaeffer, Alaska Native Tribal Health Consortium

EFFECTS OF CLIMATE CHANGE ON WATER AND SEWER (VIDEO)

A ten-minute video will introduce the issue of how water and sewer utilities in small rural communities are impacted by the changing climate in Alaska. The video and the following question and answer period will focus on what design changes are being made and what can be done in the future to address the impacts of climate change.

Presenter: Michael Black, Alaska Native Tribal Health Consortium

MY CHANGING CLIMATE: LUPINE ROOM

ENVIRONMENTAL FINANCE CENTER (EFC) FOR EPA'S REGION 10

This session will introduce EPA Region 10's new Environmental Finance Center (EFC). What is an EFC? How can the EFC assist Alaska? Current incentives and projects will be covered. This includes a project with Shishmaref to develop a "decision tree" to assist communities that are considering relocation. Other projects include a smart phone asset management mapping app, funding fairs and tribal source water and wellhead protection. The Rural Community Assistance Corporation (RCAC), in partnership with Eastern Washington University (EWU), is funded through an EPA cooperative-agreement to "house" the EFC.

Presenter: Jacqueline Shirley, Rural Community Assistance Corporation

SOLID & HAZARDOUS WASTE: ASPEN ROOM

THE WASTE INDEX STATE LANDFILL INSPECTION FORM UNVEILED

This presentation will unveil the State's Waste Index Landfill Inspection form. Pictures and concrete examples will be shown so attendees can visualize the incremental differences between an average landfill and an exceptional landfill. Ted Jacobson will be there to provide guidance to Landfill Operators on how to achieve this transition. If you have wondered what to focus on or what it takes to improve, this is the session for you.

Presenters: Ted Jacobson, RurAL CAP, Peter Olson, City of Golovin, Trisha Bower & Stephen Price, Alaska Department of Environmental Conservation

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM

FEDERAL ASSISTANCE FOR HEALTHY HOMES PROJECTS – PANEL

In this panel session, representatives from four federal programs - the Environmental Protection Agency (EPA), Bureau of Indian Affairs (BIA), Housing and Urban Development (HUD) and U.S. Department of Agriculture (USDA) - will speak about how their agencies can help Alaska Tribes and communities complete healthy homes and indoor air quality projects. Topics will include project funding, technical assistance, and examples of past collaborations with tribes. The Tribal Healthy Homes Network will also share their 2017 funding guide which captures these and other funding opportunities.

Presenters: Carma Reed (HUD), Dewayne Cooper (BIA), Greg Stuckey (USDA-Rural Development), Kayla Krauss (EPA), Mahri Lowinger (EPA), Aileen Gagney (Tribal Healthy Homes Network)

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM

LEVERAGING RESOURCES TO BUILD HOUSING IN RURAL COMMUNITIES

Quality housing is one of the highest priority needs in Alaska's rural communities. Federal and state entitlement and competitive grants are a limited source of funding to most communities to build new housing. However, federal and state agencies have other programs which can be leveraged by communities to fund housing development. Interagency housing agency experts discuss strategies and programs which can help rural Alaska communities optimize their funding potential to meet their local housing needs. This group will provide examples of successful strategies used by some Alaska communities.

Presenter: Ann Gravier, US Department of Housing and Urban Development

BROWNFIELDS: ILIAMNA ROOM

WHITE GOODS EXODUS

This session will discuss the removal of white goods from the Copper Valley through the cooperation of different entities and using funding from different sources to pay for the removal of over 40 appliances!

Presenters: Brandie Radigan, Native Village of Gakona & Sharla Huckabey, Copper River Native Association

FROM CRADLE TO GRAVE - THE ROAD TO SITE RECLAMATION

This presentation will provide examples of simple road maps for complex multi-year projects. The Environmental Department at the Native Village of Tazlina has charted paths from project inception through visioning the future and remembering the past. We have found success by enabling staff to perform mitigations and project completions through partnerships with stakeholders. The Native Village of Tazlina utilizes the traditions and strength of the Ahtna People to fuel the passion it takes to finish this simple road map.

Presenter: Willard Hand, Native Village of Tazlina

WATER QUALITY & SANITATION: KING SALMON ROOM**YKHC GREYWATER RECYCLING PROJECT**

In 2017, more than half of residents in Yukon Kuskokwim Delta villages lack piped water and sewer service to their homes, resulting in a higher burden of infectious disease. The wide range of challenges associated with multi-million dollar piped water/sewer projects in remote communities prompted the Yukon-Kuskokwim Health Corporation (YKHC) Office of Environmental Health & Engineering to explore alternative methods of water service. The project team designed a laboratory test to evaluate greywater treatment units with the goal of identifying a system that could be utilized in rural Alaskan homes. The presentation will review the need for alternative water systems in rural areas, challenges faced with fundraising and daily operations, and progress to-date.

Presenter: Alyssa Gustafson, Yukon-Kuskokwim Health Corporation

MY CHANGING CLIMATE: LUPINE ROOM**APPLYING CONVENTIONAL DATA & TRADITIONAL KNOWLEDGE IN ADDRESSING ARCTIC CLIMATE POLICIES**

While Alaska Native Village communities are experiencing unprecedented impacts from climate change including flooding, coastal erosion and impacts to subsistence resources, the Trump administration is working to cut-off federal programs and funding and restrict tribal governmental authority needed to address such impacts. This presentation will discuss how Alaska Native Communities in the Norton Sound region are responding to the age of climate denial by applying conventional data along with traditional knowledge and tribal sovereignty to conduct regional and local climate change adaption and watershed planning, address gaps in federal programs and increase resiliency.

Presenters: Emily Murray, Native Village of Elim/Norton Bay Inter-Tribal Watershed Council & Hal Shepherd, Water Policy Consulting, LLC

SUBSISTENCE SALMON HARVEST RESEARCH - BRIDGING WESTERN SCIENCE & TEK

Alaska Department of Fish and Game (ADFG) Division of Subsistence projects located in the communities of Togiak and Twin Hills will be presented. This research will describe subsistence salmon harvests in Bristol Bay communities using a combination of quantitative survey data, interviews and mapping, and ethnographic participant observation. Due to declining and variable king salmon populations in Alaska, and the importance of this species to Alaskan Native communities, research has focused on communities abilities to provide, adapt, and maintain their subsistence livelihoods. Research presented will describe methods used, data generated, and preliminary results.

Presenters: Gabriela Halas & Bronwyn Jones, Alaska Department of Fish & Game Division of Subsistence

SOLID & HAZARDOUS WASTE: ASPEN ROOM**SUSTAINABLE SOLID WASTE MANAGEMENT**

Manokotak's solid waste program has become sustainable over the past few years. Come and hear how they did it.

Presenter: Nancy George, Manokotak City Manager

HOW TO OPERATE A LANDFILL IN THE WINTER & BACKHAULING DRUMS

Presenter: Peter Olson, City of Golovin

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM**HIGH SCHOOL CITIZEN SCIENCE CURRICULUM TO ADDRESS INDOOR AND OUTDOOR AIR POLLUTION**

Many homes in the Yakima Valley, WA and on the Yakama Reservation rely on wood for home heating, contributing to indoor and outdoor air quality issues that impact health. University of Washington and Heritage University are partnering to build on an existing after-school program for high school students to implement citizen science research projects investigating local air quality. We will review the high school air pollution curriculum, summarize current research on wood smoke and its health impacts, and discuss how the curriculum could be adapted to better serve students and educators in Alaska in a culturally appropriate way

Presenters: Orly Stampfer, University of Washington; Aiyana Holt Zack, Heritage University; & Mansel A Nelson, Northern Arizona University Institute for Tribal Environmental Professionals

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM

INTRODUCING THE ENVIRONMENTALLY THREATENED COMMUNITIES (ETC) GRANT CENTER AT THE ALASKA NATIVE TRIBAL HEALTH CONSORTIUM (ANTHC)

This presentation will introduce the ETC Grant Center at ANTHC, describing who we serve, the issues these ETC communities face and what assistance the Grant Center has to offer the ETC communities.

Presenter: Melodie Fair, Alaska Native Tribal Health Consortium

OUT OF THE BOX FUNDING FOR RENEWABLE ENERGY PROJECTS

With the decrease in state and federal grant funds, remote communities need loans. But are these loans offered at a fair rate and on fair conditions? Will projects continue to be developed collaboratively with communities? This presentation will describe tools communities should favor, like power purchase agreements and loans, and illustrate how the magic of financing will work for remote sites to afford infrastructure that otherwise would be too expensive. Grants are nice, but may not come through. Loans and PPAs make it possible to start saving money on energy today.

Presenter: Piper Foster-Wilder, 60Hertz Microgrids, LLC

BROWNFIELDS: ILIAMNA ROOM

CLEAN UP STANDARDS AND QAPPS FOR BROWNFIELDS: HOW ARE THEY DETERMINED AND WHERE DO THEY COME FROM?

What factors are considered in determining a cleanup standard for a brownfields site? Who makes the clean-up decisions and how do they make them? How does the Quality Assurance Project Plan (QAPP) fit into the process? This session is intended to provide a discussion of what is considered in determining a site specific clean up standard, the resources available to a tribe for determining a clean-up standard and what a tribe's role can be in the setting the Data Quality Objectives for a QAPP and in determining a clean-up standard for a site. This is also sometimes referred to as a "Risk Based Corrective Action" or "RBCA". This session is for those that are new to this topic.

Presenter: Mickey Harnett, Kansas State University Tribal Technical Assistance to Brownfields

11:00AM – 12:00PM

IGAP & BROWNFIELDS HOUR

EPA GAP GUIDANCE: FOCUS ON CAPACITY INDICATORS, ETEPS AND ENVIRONMENTAL RESULTS

KING SALMON ROOM: EASTERN INTERIOR, UPPER YUKON, YUKON-KOYUKUK AND COPPER RIVER REGIONS

Presenters: Stacy Murphy & Sherry Davis

ASPEN ROOM: KUSKOKWIM, NELSON ISLAND, NORTH SLOPE AND NORTHWEST ARCTIC REGIONS

Presenters: Santina Gay & Mahri Lowinger

BIRCH ROOM: ALEUTIAN AND PRIBILOF ISLAND, BRISTOL BAY AND SOUTHEAST REGIONS

Presenters: Neverly Shoemake & JR Herbst

FIREWEED ROOM: SOUTH CENTRAL, LOWER YUKON, NORTON SOUND AND BERING STRAIT REGIONS

Presenters: Katherine Brown & Nica Klaber

EPA GAP CLOSE OUT TUTORIAL FOR GRANTEEES IN 3RD OR 4TH YEAR OF GAP GRANT (ENDING SEPTEMBER 30, 2017 OR 2018)

LUPINE ROOM: ALL REGIONS

Presenters: Michelle Davis, Susan Conbere, Joanne Brendle & Andrea Bennett

BROWNFIELDS – EPA BROWNFIELD TRIBAL RESPONSE PROGRAM EVALUATION OF CAPACITY BUILDING INDICATORS

ILIAMNA ROOM: ALL REGIONS

Presenters: Mary Goolie & Robert Tan

WATER QUALITY & SANITATION: KING SALMON ROOM**UAA'S ALASKA WATER SEWER CHALLENGE RESULTS**

This presentation will share the results of the University of Alaska Anchorage's (UAA) demonstration water reuse system. UAA participated as one of three teams in this demonstration phase of the Alaska Water Sewer Challenge.

Presenter: Aaron Dotson, University of Alaska Anchorage

MY CHANGING CLIMATE: LUPINE ROOM**UNDERSTANDING ENVIRONMENTAL CHANGE IN THE YUKON RIVER BASIN THROUGH INDIGENOUS OBSERVATION NETWORK AND CITIZEN SCIENCE**

The Yukon River Basin (YRB), underlain by discontinuous permafrost, has experienced a warming climate over the last century that has altered air temperature, precipitation, and permafrost. A collaborative effort between the Yukon River Inter-Tribal Watershed Council (YRITWC) and the United States Geological Survey (USGS), the Indigenous Observation Network (ION) has developed two projects that focus on water quality and permafrost research. More than 300 community environmental technicians have been trained to participate in ION by effectively monitoring and investigating their local environments with global implications. These local observations, obtained over the past decade, have contributed to the global understanding of climate change and ultimately its impacts on Alaska Native Villages. Combined with historical data from the USGS, the ION database now covers over 30 years of historical water quality data in key locations. Trend analysis of this database suggests increased active layer expansion, weathering and sulfide oxidation due to permafrost degradation throughout the YRB. Changing geochemistry of the YRB may have important implications for the carbon cycle, aquatic ecosystems, and contaminant transport. With predicted environmental changes, the efforts of ION and the integration of Indigenous knowledge will become critical to assess, mitigate and adapt to changing local environments.

Presenters: Edda Mutter, Yukon River Inter-Tribal Watershed Council & Ryan Toohey US Geological Survey

COMMUNITY-BASED PERMAFROST OBSERVATION NETWORK AT THE UPPER KUSKOKWIM REGION

Alaska's nature is undergoing a great upheaval induced by the climate changes that directly impacts the tribal communities living in remote villages. Under these circumstances, local inhabitants have to have better information about environmental changes to facilitate safe subsistence. One of the ways to achieve this is collaboration with scientists to build tribal capacity to monitor environmental changes. That might empower the tribal communities in assessing and responding to the natural changes. This report represents an example of such collaboration between UAF researchers and rural communities of Upper Kuskokwim aimed at the establishment of community-based observation system of the thermal state of permafrost.

Presenter: Alexander Kholodov, University of Alaska Fairbanks

SOLID & HAZARDOUS WASTE: ASPEN ROOM**BACKHAUL ALASKA AND THE SOLID WASTE ALASKA TASKFORCE UPDATE**

An update of the Solid waste Alaska Taskforce (SWAT) activities will be given in this session as well as an update on the Backhaul Alaska project. Backhaul Alaska is a program that will coordinate the statewide hauling of hazardous waste out of Alaska communities. A well-coordinated statewide backhaul program will reduce risks to health and the environment, stretch rural Alaska's limited dollar, and protect subsistence resources.

Presenters: Trisha Bower, Alaska Department of Environmental Conservation and SWAT Member & Gabriella Caarvalho, U.S. Environmental Protection Agency

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM**WOODSTOVES AND HEALTH**

Using a woodstove for home heating is a common practice in Alaska. While heating with wood can be an attractive option for many homeowners, it can also pose some challenges to human health. Emissions from wood burning can be especially harmful for young children and elders. Fortunately, there is a great deal a wood stove operator can do to

limit the impact of wood burning on both indoor and outdoor air quality. In this session we will discuss some of the most important strategies a woodstove operator can employ to optimize both heating and health.

Presenter: Leif Albertson, University of Alaska Fairbanks

HEALTHY HOMES MAKE HEALTHY FAMILIES

Attendees will learn how to identify and address some basic environmental health and safety concerns in households, including indoor air quality issues.

Presenter: Racheal Lee, Tanana Chiefs Conference

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM

REDUCING DEPENDENCE ON DIESEL FUEL THROUGH OPTIMIZED HYBRID POWER SYSTEMS

In an effort to reduce dependence upon diesel fuel, many communities are incorporating renewable energy sources such as solar, wind and hydro into their power grids. But which renewables best serve your area and how should they be sized? Does adding energy storage make economic sense? How do you best integrate all of these components? This presentation will provide information on ANTHC's Rural Energy Initiative's experience in microgrid innovation and how we can connect you with technical assistance and apply microgrid modelling to answer these questions and support you in energy planning by identifying and optimizing the hybrid power system for your community.

Presenter: Bailey Gamble, Alaska Native Tribal Health Consortium

BROWNFIELDS: ILIAMNA ROOM

BUDDING BROWNFIELDS EXPERTS: TEACHING KIDS NOT TO CONTAMINATE!

This interactive session will use audience participation to model how environmental education methods can be tailored to accomplish brownfield outreach goals. Work with youth in your community to prevent future brownfields and create advocates for a cleaner environment. Learn how to get your message across to youth, and through them to your community! Be prepared to get up and engage.

Presenter: Bethany Nichols, Chickaloon Native Village

2:40PM – 3:40PM

WATER QUALITY & SANITATION: KING SALMON ROOM

WHEN YOUR WATER GLOWS: WELL WATER MONITORING FOR URANIUM, DATA ANALYSIS AND EDUCATION MATERIAL DEVELOPMENT

The Spokane Tribe has 260 homes with private wells. In 2012, a number of wells were found to exceed the Environmental Protection Agency's maximum contaminant levels for uranium and/or gross alpha activity. Following these findings, filters were put in place in the affected homes. The National Tribal Water Center and the Centers for Disease Control partnered with the Spokane Tribe Department of Natural Resources to evaluate filter effectiveness. In addition to testing filter effectiveness, the Tribe will test previously untested wells, assess seasonal fluctuations in contaminant levels, and test for additional contaminants. The data collected throughout this project will inform mitigation decisions pertaining to filtration of the residential wells as well as planning for future housing development. This presentation will discuss the development of a sampling strategy, data analysis, formal documentation, and the development of educational material.

Presenter: James Temte, National Tribal Water Center

MY CHANGING CLIMATE: LUPINE ROOM

SCIENCE RESOURCES FOR ADAPTATION PLANNING IN WESTERN ALASKA

The Yukon Kuskokwim (Y-K) Delta Region is facing significant challenges related to changing ecosystems that stretch from the Bering Sea into the adjoining terrestrial landscape. This landscape is home to over 50 communities with deep ties to the land through subsistence practices. To help sustain the health of the region's ecosystems and

communities; the Western Alaska Landscape Conservation Cooperative is working with stakeholders including, land and resource managers, communities, researchers, and others, to incorporate both ‘Western science’ and indigenous knowledge to better understand the values and vulnerabilities of the Y-K Delta, and to develop climate change resilience and adaptation strategies.

Presenter: Elizabeth Powers, Western Alaska, LCC.

YUKON-KUSKOKWIM DELTA BERRY OUTLOOK: CO-PRODUCING KNOWLEDGE TO BETTER UNDERSTAND CHANGING RESOURCES

The Yukon-Kuskokwim (YK) Delta Berry Outlook is a collaborative project focused on understanding how and where berry resources are changing. Berries are important subsistence resources for Alaska Natives, and provide food for migratory bird populations. Local residents have reported that berry locations and abundance have been changing, likely in response to climate and landscape changes – but what, specifically, is happening, and what might the future hold? We report on results from four Alaska Native villages concerning five prominent berry species, and discuss environmental factors that may impact the abundance and distribution of berries in the future.

Presenter: Rachel Loehman, US Geological Survey, Alaska Science Center

SOLID & HAZARDOUS WASTE: ASPEN ROOM

BIOWHAT? HOW CAN WOOD HELP WITH CLEANING UP?

Biochar is roasted wood in an oxygen free environment which can be produced in a number of shapes. Well-made biochar has porous surfaces which make it adequate as a soil amendment for water, microbes, and nutrient retention which contributes to growing plants. It’s an absorbent for removing toxic heavy metals in mining waste as well as a filtration medium for purifying running water. There is expertise needed, however, in the amount of roasting time, moisture content and cooling process that will dictate how porous the char will be. Join us and see how to make and use char.

Presenter: Art Nash, University of Alaska Fairbanks Cooperative Extension

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM

BrHEAThe: ONE SOLUTION TO THE CURRENT STATE OF INDOOR AIR QUALITY IN ALASKA

A large portion of Alaskan homes are at risk for poor indoor air quality. In an effort to ensure healthy indoor air, as well as lower energy costs, the Cold Climate Housing Research Center developed the BrHEAThe system, which links ventilation to the residential heating system. This presentation will first describe the current state of indoor air quality in Alaska, using results from the 2017 Alaska Housing Assessment. It will also cover the motivation and design of BrHEAThe, as well as results from installed systems and future plans for improvement.

Presenters: Dustin Madden & Haley Nelson, Cold Climate Housing Research Center

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM

RESILIENCE AND SUSTAINABILITY TRACK REFLECTIONS & RECOMMENDATIONS

Interactive facilitated session with participants discussing the conference and key take-away concepts. Participants will be broken into small focus groups to discuss conference highlights, reflect on the impacts of resilience and sustainability, share project ideas, recommend potential ways conference concepts will be used and provide suggestions for next year’s conference.

Presenters: Annie Weyiouaana, Native Village of Shishmaref, Jackie Schaeffer, Alaska Native Tribal Health Consortium, Davin Holen, National Oceanic and Atmospheric Administration & Tonya James, Alaska Native Tribal Health Consortium

FUEL STORAGE: CHALLENGES, RESOURCES AND NEW REGULATIONS

For most Alaskan communities, storing fuel is a critical necessity. However, they can cause serious environmental and human health impacts without adequate maintenance and staff experience and training. To support the individuals, companies and communities operating and maintaining fuel tanks, the Department of Environmental Conservation is creating a statewide inventory of facilities that store between 1,000 gallons and 420,000 gallons of non-crude fuel. This effort serves as a platform to identify resources, technical assistance and support to prevent spills and address the more common concerns of fuel storage. This presentation will serve as an introduction to the facility registration process required by the new state regulations.

Presenter: Amanda Compton, Alaska Department of Environmental Conservation

CLOSING CEREMONY

3:40PM – 4:45PM

KEYNOTE PRESENTER



Alyssa London – Alyssa London is an enrolled tribal citizen of the Central Council of Tlingit and Haida Indian Tribes of Alaska. She is the first Tlingit Miss Alaska USA and placed top ten at Miss USA 2017, becoming the first Miss Alaska USA to place as a finalist in almost thirty years. Alyssa was the appointed 2017 Cultural Ambassador for Sealaska Heritage Institute. For Alyssa's work bringing awareness to the vitality of Native American culture today and proving to be a promising leader, Alyssa was recognized in 2017 on the 40 under 40 list by National Center of American Indian Enterprise Development. Alyssa graduated from Stanford University in 2012 with a B.A. in Comparative Studies in Race and Ethnicity, she is also a 2011 National Udall scholar for her work on Native American Public Policy. In addition she graduated as a Stanford Cap and Gown Honors student. She travels throughout Alaska and to the Lower 48 to visit schools, hospitals, cultural events, conferences and other venues to share her message of the importance of embracing one's heritage, taking education seriously, and living the life you envision by having entrepreneurial and positive mindset. Alyssa served as the elected Youth Board Advisor for her Alaska Native Corporation, Sealaska from a one year term from 2014-2015. Alyssa has also travelled internationally on her own having been to almost thirty counties as she loves learning about other cultures. In her free time she stays very active by running, hiking and enjoying the great outdoors.

ANTHC CLOSING



Dr. Tina Marie Woods – Dr. Tina Woods is Aleut originally from St. Paul Island, Alaska and Chamorro from the Island of Guam. She is the Senior Director of Community Health Services for the Alaska Native Tribal Health Consortium. Professionally, she is a licensed clinical psychologist with a Ph.D. in Clinical-Community Psychology with a Rural Indigenous Emphasis from the University of Alaska Anchorage. She maintains longevity working within the Alaska Tribal Health System with majority of her time as an administrator for the Aleutian Pribilof Island Association (APIA). She respectfully blends both Western science and indigenous practices based on teaching from Elders. She has dedicated her academic training and career towards working with Alaska Native Peoples to provide quality, holistic and comprehensive health services. She presents with "lived experience" and leverages such experience in combination with science for teaching others about trauma informed care. She strongly believes in going upstream with prevention efforts in order to make a significant difference for future generations.

TRAINING SESSIONS

8:00AM – 5:00PM

INTRODUCTION TO GAP MANAGEMENT DILLINGHAM/KATMAI ROOM

This training will guide participants through the EPA Indian General Assistance Program (IGAP) from beginning to end. Participants will also receive information on tools that will help build and management effective environmental programs.

Trainers: Desirae Roehl & Oxcenia O'Domin, Alaska Native Tribal Health Consortium

RALA (RURAL ALASKA LANDFILL ADMINISTRATION): KING SALMON/ILLIAMNA ROOM

RALA targets the village administrator with a focus on management of Class III landfills. Participants will learn about landfill regulations, household hazardous waste, waste separation/screening, waste reduction/segregation, recycling, PPE & more.

Trainers: Doug Huntman, Green Star & Ted Jacobson, RurAL CAP

SURFACE WATER SAMPLING: ASPEN/SPRUCE ROOM

The emphasis of this workshop focuses on the use of basic instruments and methods to allow participants to learn or extend their knowledge in surface water quality testing for physical, chemical and biological constituents.

Trainer: Edda Mutter, Yukon River Inter-Tribal Watershed Council

8:00AM – 12:00PM

AIR MATTERS TOOLKITS – A HANDS-ON HOW-TO WORKSHOP: BIRCH/WILLOW ROOM

This training session will present unique situations of ANCSA corporations as related to contaminated lands and identify practical solutions to this problem from attendees. Discussion will include how the ANCSA corporations came to be, what ANCSA means for the land, what “tribal” lands are, cleanup issues related to “tribal” land, what’s the reality, and the changes on the horizon.

Trainer: Aileen Gagney, Tribal Healthy Homes Network

ENVIRONMENTAL SAMPLING: FIREWEED ROOM

This training will demonstrate sampling techniques of soil and water and give guidance in how to collect representative samples of these environmental media.

Trainer: Birgit Hagedorn, Sustainable Earth Research, LCC.

8:00AM – 12:00PM

KEEPING ORGANIZED: LUPIN ROOM

This training will prepare you to set up your office and keep everything organized both digitally and in paper format.

Trainer: Patricia Salmon, Chalkyitsik

SOCIAL MARKETING: FACILITATING POSITIVE BEHAVIOR CHANGES

Research has shown that simply providing people with information and making them aware of issues is not enough to change a person's behavior. So how do we get people to act in their own best interest? The social marketing method was created to help.

Trainer: Sean Peterson, Zender Environmental Health & Research Group

THE VW SETTLEMENT FOR TRIBES: BIRCH/WILLOW ROOM

Join representatives from Northern Arizona University's ITEP and EPA to learn how Tribes can access funds for projects that repower or repair diesel vehicles and equipment. Attendees will learn how to sign up, what kinds of vehicles and equipment apply, and how to submit plans, budgets, and reports.

Trainer: Andy Bessler, Northern Arizona University, Institute for Tribal Environmental Professionals

COASST DIE-OFF ALERT TRAINING: FIREWEED ROOM

Coastal Observation and Seabird Survey Team (COASST) is focused on monitoring beached seabirds as indicators of the marine environment. This training will provide an introduction to seabird biology, recent mass mortality events, and how to contribute sighting of beached birds.

Trainer: Lauren Divine, Aleut Community of St. Paul Island

ALASKA ENVIRONMENTAL HEALTH ASSOCIATION MEETING: LUPIN ROOM

This training session is an AEHA - Stakeholder Meeting for current and prospective members of the Alaska Environmental Health Association

Trainers: John Walker, Joy Britt, Jeanine Vance & Sherry Griffith Alaska Environmental Health Association

PALMER EXPERIMENTAL FARM TOUR: MEET IN HOTEL LOBBY

The difficulties of farming in Alaska due to the short season, cool weather and the need for boreal forest clearance, plus the predominance of thin, acidic and nutrient deficient soil, have all limited the ability to grow in Alaska. On this tour we'll learn how biochar is created, applied to planting soil and used to increase plant growth. In addition we will look at machinery that can incinerate biomass/wood and create natural gas, which can then be bottled and burned for heat, routed to an engine for transportation or used to make electricity. Dr. Mingchu Zhang, and Dr. Susanna Pearlsten will join the tour. If you are interested or would like more information on the agenda or content of the event contact Art Nash.

Trainer: Art Nash, UAF 907-332-2309

PLANNING COMMITTEE MEMBERS

WATER QUALITY & SANITATION TRACK

Brian Berube – Alaska Native Tribal Health Consortium
James Temte – Alaska Native Tribal Health Consortium

MY CHANGING CLIMATE TRACK

Erica Mitchell – Alaska Native Tribal Health Consortium
Aaron Poe – Aleutian and Bering Sea Islands LCC
Malinda Chase – Alaska Climate Science Center / APIA
Cody Kapotak – Alaska Native Tribal Health Consortium
(Intern)

BROWNFIELDS TRACK

Joy Britt – Alaska Native Tribal Health Consortium
Bailey Richards – Alaska Native Tribal Health Consortium
Alyssa Rodgers – ONC
Patricia Yaska – Chuathbaluk
Cer Scott – Central Council Tlingit and Haida Indian
Association
Christy Howard – Alaska Department of Environmental
Conservation

TECHNICAL TRAININGS TRACK

Oxenia O'Domin – Alaska Native Tribal Health Consortium
Desirae Roehl – Alaska Native Tribal Health Consortium

SOLID & HAZARDOUS WASTE TRACK

Trisha Bower – Alaska Department of Environmental
Conservation
Al Ashley – Eagle Environmental Program
Patti Salmon – Chalkyitsik Environmental Program
Rebecca Colvin – Alaska Department of Environmental
Conservation
Sarah Durand - Alaska Department of Environmental
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Steven Price - Alaska Department of Environmental
Conservation
Simone Sebalo – Zender Environmental Health & Research
Group
Lynn Zender – Zender Environmental Health & Research
Group
Oxenia O'Domin – Alaska Native Tribal Health Consortium
Desirae Roehl – Alaska Native Tribal Health Consortium

Anahma Shannon – Kawerak
Ted Jacobson – RurAL CAP
John Clark – Waste Management
Opik Ahkinga – Diomedea Environmental Program
John Pius Henry Jr. – Unalakleet Environmental Program
Doug Huntman – Alaska Forum
Noel Swanson – Evansville Environmental Program
Reilly Kosinski – Total Reclaim
Peter Olson – City of Golovin
Janelle Menadelook – Mary's Igloo Environmental Program
Leticia Pureza – Qawalangin Tribe of Unalaska

AIR QUALITY & HEALTHY HOMES TRACK

Mary Schneider – Alaska Native Tribal Health Consortium
Abigail Nelson – Alaska Native Tribal Health Consortium
Gillian Mittelstaedt – Tribal Healthy Homes
Aileen Gagney – Tribal Healthy Homes
Racheal Lee – Tanana Chiefs Conference
Leif Albertson – UAF Cooperative Extension
Michael Opheim – Seldovia Environmental Program
Barbara Trost – Alaska Department of Environmental
Conservation
Kelli Whelan – Alaska Native Tribal Health Consortium
Kayla Krauss – U.S. Environmental Protection Agency
Patricia Ellsworth – Institute for Tribal Environmental
Professionals

SUSTAINABILITY & RESILIENCE TRACK

Tonya James – Alaska Native Tribal Health Consortium
Desirae Roehl – Alaska Native Tribal Health Consortium
Jacqueline Schaeffer – Alaska Native Tribal Health
Consortium
Gina McKindy – Native Village of McGrath
Annie Weyiouanna – Native Village of Shishmaref
Sally Cox – Alaska Division of Community and Regional
Affairs
Kim Stuart – Alaska Division of Homeland Security and
Emergency Management
Ann Gravier – U.S. Department of Housing and Urban
Development
Davin Holen – NOAA Alaska Sea Grant Coastal Community
Resilience

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Roxanne Benson

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ANCHORAGE



FEATURED ALASKA NATIVE ARTIST 2017

ATCEM is proud to support and highlight the talents of Alaskan artists.



John Oscar – John's influence began at an early age, in the small coastal village of Tununak, AK. Watching his father and uncles carving wood and ivory, and helping his mother illustrate birds, animals and hunting scenes for her beautiful grass baskets. John's is described as a three-dimensional mixed media Yup'ik Artist celebrating the Native dance, the environment, animals, fish, birds and the relationship to his dreams, visions, ancestral beliefs and stories.

JOHN'S WORK WILL BE PROVIDED TO OUR WONDERFUL KEYNOTE SPEAKERS AND ENVIRONMENTAL EXCELLENCE AWARD WINNERS.

