



ATCEM

Alaska Tribal Conference on Environmental Management



Nov 27-30, 2018
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
2018 ATCEM Participants and Presenters!**

ATCEM 2018 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

ANTHC WELCOME



Roald Helgesen, – Roald Helgesen is Chief Executive Officer and Hospital Administrator at the Alaska Native Tribal Health Consortium (ANTHC). Prior to joining ANTHC, Mr. Helgesen was the President and CEO of the SouthEast Alaska Regional Health Consortium (SEARHC). Mr. Helgeson serves as a member of the Alaska Tribal Health Directors and the Alaska State Hospital and Nursing Home Association. Helgesen grew up in Sitka and is an enrolled Tribal member with Sitka Tribe of Alaska and Central Council of Tlingit and Haida Indian Tribes of Alaska. He graduated magna cum laude from the University of Alaska Anchorage with a Bachelor of Arts degree in Political Science. Earning his Master of Science degree in Health Care Administration from Trinity University in San Antonio, Texas. Mr. Helgesen is a member of the American College of Healthcare Executives and the Healthcare Financial Management Association.

KEYNOTE SPEAKER



Rhonda McBride - Rhonda McBride has been an Alaska broadcaster since 1988, when she worked as news director of KYUK, the public radio and TV station in Bethel for almost a decade. She currently hosts Frontiers, a statewide public affairs program that airs on KTVA-Channel 11 and ARCS-TV. The show's motto: Faces. Places. And spirit of Alaska! Rhonda loves doing those only-in-Alaska stories – especially those that showcase innovation in Rural Alaska.

TRACKS AND SESSIONS

9:40AM – 10:40AM

WATER RESOURCES & PUBLIC INFRASTRUCTURE: LUPINE ROOM

CLIMATE CHANGE AND HEALTH: ALASKA INNOVATIONS

Environmental health practitioners in America's portion of the Arctic are leading and contributing to efforts to effectively respond to changes in environmental conditions and climate. This presentation will detail those efforts.

Presenter: Dr. Steven Konkel, University of Alaska Anchorage

MY CHANGING CLIMATE: KING SALMON ROOM

2017-2018 ALASKA CLIMATE REVIEW

Alaska weather and climate is rarely quiet, and the past year has again brought impactful extremes to the state, including a completely unprecedented low sea ice coverage in the Bering Sea during the late winter and spring, heavy snow to parts of western Alaska, and record heat to Southeastern Alaska. This presentation will give an overview of climate change highlights since ATCEM 2017, and also look ahead at expected conditions for the upcoming year.

Presenter: Rick Thoman, Alaska Center for Climate Assessment and Policy

PERMAFROST AND COMMUNITIES IN ALASKA: CONCERNS, PROBLEMS AND POSSIBLE SOLUTIONS

Permafrost degradation can affect human life both directly and indirectly. Many Alaskan Native communities are located in the permafrost extent and are experiencing permafrost related problems. Under these circumstances, local inhabitants need better information about environmental changes to facilitate safe subsistence practices.

Presenter: Alexander Kholodov, University of Alaska Fairbanks

SOLID & HAZARDOUS WASTE: ASPEN ROOM

HOUSEHOLD HAZARDOUS WASTE OPTIONS AND SUCCESS STORIES FROM HAINES AND WASTE MANAGEMENT PROJECTS

This session will provide guidance in identifying and collecting Household Hazardous Waste. Topics will include collection, Personal Protective Equipment, packaging, and Household Hazardous Waste event planning.

Presenters: Reilly Kosinski, Total Reclaim; Michael Deegan, Waste Management

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM

NTAA/TAMS/ANTHC OUTREACH – ALASKA FOCUSED

Representatives will provide an overview of programs and discuss important Air Quality issues and trends in Alaska. The session will finish with a discussion from attendees on needs, health impacts, challenges, etc.

Presenters: Mary Mullan, Alaska Native Tribal Health Consortium; Nicole Johnson, Qawalangin Tribe of Unalaska; Andy Bessler, Institute for Tribal Environmental Professionals

COMMUNITY SUSTAINABILITY: FIREWEED ROOM

PANEL DISCUSSION

This diverse panel will open the track each day discussing themed topics from their expertise. This guided discussion will engage the panel around topics that are important to our communities' resilience and sustainability. We have assembled together, experts in the field of natural path, community psychology, Alaska Native motivational speakers, engineers, economists and academics in an effort to encourage holistic thinking across all the tracks. Resilience and Sustainability is the glue which holds our communities together. Come be a part of the discussion as the panelist share their perspective on topics that include: what makes a community healthy, what makes projects successful in our communities, and how do we integrate ingenuity of the past to innovate for the future.

Panel: Dr. Gary Ferguson, Consultant and Alaska Native Motivational Speaker; Dr. Rebecca Robinson, Alaska Native Tribal Health Consortium; Dr. Tobias Schwoerer, University of Alaska Anchorage (UAA) Institute of Social and Economic Research; Mr. Samuel Johns, Athabascan Rapper and Alaska Native Motivational Speaker; Joe Hess, Alaska Native Tribal Health Consortium DEHE; Nolan Klouda, UAA Center for Economic Development

CONTAMINATION SUPPORT: ILIAMNA ROOM

EPA AND ADEC BROWNFIELDS RESOURCES & ANCSA CONTAMINATED LANDS PARTNERSHIP GROUP

The first half of this session will provide an overview of the resources that the Environmental Protection Agency (EPA) Region 10 Brownfields Program offers. The second half of the session will provide an overview of the ADEC Brownfields Assessment and Cleanup (DBAC) services and the anatomy of a good DBAC application. 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 and Brandon Perkins, Environmental Protection Agency; Christy Howard, Alaska Department of Environmental Conservation; Joy Britt, Alaska Native Tribal Health Consortium

CHART ROOM

GAP REGIONAL SESSION

We welcome your participation as we join Regional GAP Consortia in a co-moderated session. Lower Yukon, (KF's) Lower Kuskokwim (SG's)

Moderators: Santina Gay, US EPA Region 10; Rose Kalistook, Association of Village Council Presidents

WATER RESOURCES & PUBLIC INFRASTRUCTURE: LUPINE ROOM

THE FOURTH U.S. NATIONAL CLIMATE ASSESSMENT CLIMATE CHANGE AND HEALTH: ALASKA INNOVATIONS

This presentation assesses the likely threats to and adaptations for marine ecosystems, communities and infrastructure, human health, Indigenous communities and culture, and economy of Alaska.

Presenter: Jeremy Littell, Alaska Climate Adaptation Center

MY CHANGING CLIMATE: KING SALMON ROOM

IMPROVING THE WAY WE COMMUNICATE WEATHER HAZARDS

The National Weather Service (NWS) strives to provide effective weather information to help you keep your community safe. This session will first provide an overview of the Hazard Simplification Project (Haz Simp) efforts and results, and then participants will be asked to provide valuable thoughts on prototype warning language.

Presenters: Eli Jacks & Danielle Nagele, NOAA National Weather Service

SOLID & HAZARDOUS WASTE: ASPEN ROOM

LEVERAGING RESOURCES AND COLLABORATING WITH CONTRACTORS COMING TO YOUR COMMUNITY

Brice, Inc. coordinated with the community of Scammon Bay and helped clean up the landfill and junkyard. They were there to work on the airport road and volunteered their personnel and equipment to help out the community. With their help, Scammon Bay was able to dramatically improve our solid waste management and all of our paperwork. You would not even recognize our landfill and junkyard now it is so clean. Come and learn how it happened.

Presenter: Nile Aguchak, Scammon Bay IGAP Program

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM

CLIMATE CHANGE AND INDOOR AIR QUALITY

Changing conditions may not necessarily introduce new risks for occupants but may make existing Indoor Air Quality problems more widespread and severe. Here existing and new approaches and interventions to address Indoor Air Quality and health will be discussed.

Presenter: Aileen Gagney, Tribal Healthy Homes Network

COMMUNITY SUSTAINABILITY: FIREWEED ROOM

REDUCING THE THREATS FROM EROSION AND FLOODING IN MCGRATH

The McGrath Native Village and the City of McGrath recently updated their Multi-jurisdictional Hazard Mitigation Plan. Come hear presenters share the extent of the challenges they face, and what projects they have underway that mitigate the threats of flooding and erosion.

Presenters: Kimberly Wortman, McGrath Native Village Council; Sarah McClellan, City of McGrath

YRITWC'S MINING PROGRAM SUMMER ACTIVITIES

YRITWC's Mining Program doesn't take a political stance on mining. However, this program offers information to support the decision-making process. Listen as presenters discuss how they share unbiased information through their activities.

Presenters: Dr. Edda Mutter & Maryann Fidel, Yukon River Inter-Tribal Watershed Council

CONTAMINATION SUPPORT: ILIAMNA ROOM

TRIBAL ENVIRONMENTAL YOUTH ENGAGEMENT STRATEGIES

Authentic youth engagement strategies create future environmental leaders. But how do we support authentic outreach and engagement? This session will consider some of the existing youth engagement strategies and describe some current projects that are being developed.

Presenters: Chris Price, PJ Sherebernikoff Jr., Gilbert Castellanos, Tayzay Jones & Onya Enkhbat, Qawalangin Tribe; Santana Gay, Environmental Protection Agency

YRITWC'S BROWNFIELDS LEADERSHIP WORKING GROUP

The YRITWC is launching its newest pilot program; The Brownfields Leadership Working Group. The goals of the group are to push sites towards their reuse goal while building capacity to assist with Environmental Site Assessments and other projects. This will be done by developing a vision for the communities' sites, working together to find resources for additional funding, and acting as a model for other tribes with brownfield sites. Our participants will also help us broadcast our brand-new brownfields app. This session is aimed at sharing ideas of the group and to hear feedback regarding the objectives.

Presenter: Emily Anderson, Yukon River Inter-Tribal Watershed Council

CHART ROOM

EPA'S TRIBAL OUTREACH: DO YOU GET THE INFORMATION YOU NEED?

EPA Region 10 strives to provide clear and open communication with tribes about agency business, but sometimes it comes in big waves! What can EPA do to improve communication with tribes? Region 10 communication tools include the tribal newsletter, outreach by the Region 10 Tribal Operations Committee (RTOC), email lists, social media, webinars, and direct contact. During this session EPA wants feedback from you, to find out if you're getting the information you need to run effective environmental projects in your community. The session will include a brief presentation, followed by a facilitated group discussion.

Moderator: Mahri Lowinger, Kayla Krauss, Erin McTigue and Susan Conbere, US EPA Region 10

1:30PM – 2:30PM

WATER RESOURCES & PUBLIC INFRASTRUCTURE: LUPINE ROOM

THE INDIGENOUS OBSERVATION NETWORK

This presentation will explore and interpret the scientific long-term data that has been collected through the Indigenous Observation Network, water quality and permafrost changes observed in the Yukon River Basin, and the importance of Citizen Science monitoring efforts in terms of data collection and management.

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

MY CHANGING CLIMATE: KING SALMON ROOM

USING LEO NETWORK TO DOCUMENT 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.

Presenter: Michael Brubaker, Alaska Native Tribal Health Consortium

SOLID & HAZARDOUS WASTE: ASPEN ROOM

CLIMATE CHANGE AND TRASH: ENGINEERING AND RESILIENCY FOR THE FUTURE

Learn about the evolution of arctic engineering for landfills due to warming soil conditions. Hear examples of ways to design and operate landfills to adapt to changing climate conditions. This presentation will also discuss how industry is adapting to climate change effects for geotechnical planning and design work for other infrastructure in the Arctic. Come and learn about climate change engineering from one of Alaska's experts on this topic.

Presenter: Beez Hazen, Northern Engineering & Scientific

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM

VENTILATION IN ALASKA HOMES - HEAT RECOVERY VENTILATORS (HRV)

The Heat Recovery Ventilators is a technology that can help improve ventilation, while lowering costs of heating a home. Presenters will discuss healthy ventilation and demonstrate Heat Recovery Ventilator operator's maintenance.

Presenters: Mansel Nelson, Institute for Tribal Environmental Professionals; Dennis McGlothin, Copper River Basin Regional Housing Authority

COMMUNITY SUSTAINABILITY: FIREWEED ROOM

RETHINKING RESILIENCE: A CALL FOR INTERDISCIPLINARY COLLABORATION TO PROMOTE COMMUNITY WELLBEING

Resilience has many definitions. The objective of this presentation is to advocate for interdisciplinary collaboration in our efforts to promote community wellbeing in the context of the environmental issues facing rural Alaska. Specifically, a socio-ecological framework will be used to define, assess, and apply the construct of resilience and discuss the importance of taking a holistic (biological, psychological, social, cultural) approach.

Presenter: Dr. Rebecca Robinson, Alaska Native Tribal Health Consortium

HAWAIIAN AND WESTERN SCIENCES: A COLLABORATIVE APPROACH TO ECOSYSTEM SCIENCE AND MANAGEMENT

The He'eia National Estuarine Research Reserve honors the past by using a traditional ecosystem management system integrated with the contemporary principles of science and policy to understand and re-create productive and resilient cultural landscapes.

Presenters: Bill Thomas, HI NOAA Officer for Coastal Management; Mr. Koa Shulz, Kāko'o 'Ōiwi and The Nature Conservancy

CONTAMINATION SUPPORT: ILIAMNA ROOM

INTRODUCTION TO RAFS HOME HEATING OIL TANK COURSE

This 40-minute presentation is intended to introduce Alaska rural community leaders to Rural Alaska Fuel Services' Home Heating Oil Tank Course. This 6-hour class was written specifically for rural community residents and is an informative resource on learning how to safely manage their personal fuel tanks, what to do in the event of a fuel spill, and the effects fuel spills have on their home as well as the community as a whole. Participants will be able to ask questions about the course as well as register to host the class in their community.

Presenter: Cullen Conrad, Rural Alaska Fuel Services

CHART ROOM

GAP REGIONAL SESSION

We welcome your participation as we join Regional GAP Consortia in a co-moderated session. Southcentral & Kodiak (KB's) and Southeast (MD's)

Moderators: Michelle Davis & Katherine Brown US EPA Region 10; Stephanie Mason, Kodiak Area Native Association; Willow Hetrick, Chugach Regional Resource Commission

WATER RESOURCES & PUBLIC INFRASTRUCTURE: LUPINE ROOM

SUCCESS STORIES OF YRITWC-SWM AND 2019 OPPORTUNITIES

2018 Drinking Water and Solid Waste Management success stories, activities and trainings within the Yukon River Watershed will be discussed as well as upcoming opportunities for the 2019 fiscal year.

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

MY CHANGING CLIMATE: KING SALMON ROOM

TANANA CHIEFS COUNCIL - FEDERAL RESOURCE MANAGEMENT PLANNING - OUR LAND, OUR VOICE, OUR FUTURE

BLM is developing Resource Management Plans for the Central Yukon and the Bering Sea Western Interior planning areas. The planning process is guided by two overriding principles: sustained yield and multiple use. Our presentation will provide basic information about the planning process, the time-lines, and how affected communities can get involved to strengthen their voices in the process. Recently, the process has adopted a "fast-track" approach that will constrain tribal and public participation.

Presenter: Suzanne Little, the Pew Charitable Trusts

SOLID & HAZARDOUS WASTE: ASPEN ROOM

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 environmental staff create campaigns to effectively change behaviors in their communities for the social good. In other words, this session will teach you how to identify behaviors that you would like to change in your community and give you tools to enact those changes.

Presenter: Sean Peterson, Zender Environmental Health & Research Group

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM

RADON IN ALASKA

This presentation will give a radon and uranium overview along with additional factors that can influence exposure to radon and how to test for this.

Presenters: Art Nash, University of Alaska Fairbanks-Cooperative Extension; Leif Albertson, Cooperative Extension in Bethel

COMMUNITY SUSTAINABILITY: FIREWEED ROOM

WATCHDOG AND VIRTUAL FENCING TOOLS TO ADDRESS COMMUNITY CONCERNS ABOUT LARGE VESSEL TRAFFIC

Depending on the time of year there are 100 to 400 large vessels operating within the Alaskan Arctic. The Aleutian and Bering Sea Islands LCC is beginning to develop a tool to automatically transmit "alerts" about vessel movements to parties who want to better understand traffic patterns. As well as a tool to virtually "geofence" large ships around areas of concern like marine mammal haul outs. We are looking to share and learn from you how these tools can be improved.

Presenter: Aaron Poe, Aleutian and Bering Sea Islands LCC

CONTAMINATION SUPPORT: ILIAMNA ROOM

SO THERE IS A SPILL, NOW WHAT?

Who is responsible for reporting oil and hazardous materials spills to the Alaska Department of Environmental Conservation (ADEC)? You Are! This session is an introduction to spill reporting, initial response and clean-up strategies. Participants will walk away knowing that ADEC is only a phone call away to help you and your community protect themselves and the environment! Join us to learn how you can start preparing with just a few simple steps.

Presenters: Cynthia Kirkham and Kristin Worman, Alaska Department of Environmental Conservation

4:00PM – 5:00PM

WATER RESOURCES & PUBLIC INFRASTRUCTURE: LUPINE ROOM

ADEC EFFORTS TO ESTABLISH FISH CONSUMPTION RATES AND USE OF FISH CONSUMPTION DATA UPDATE

ADF&G Division of Subsistence will present on their efforts to develop fish consumption rates based on harvest data collected across Rural Alaska.

Presenters: Marylynne Kostick and Brock Tabor, Alaska Department of Environmental Conservation

MY CHANGING CLIMATE: KING SALMON ROOM

ENVIRONMENTAL CHANGE TALKING CIRCLE

LEO Talking Circle participants share personal observations about how their environment is changing seasonally, as well as the impacts those changes have on the community and lands

Presenter: Moses Tcheripanoff

SOLID & HAZARDOUS WASTE: ASPEN ROOM

DIRTY DIRT - DISPOSAL OF POLLUTED SOIL IN CLASS III LANDFILLS

This session will focus on the requirements for disposal of polluted soil that has been excavated in a small rural Alaskan landfill. We will discuss the required approvals and available options for disposal and the associated sampling and other technical requirements. We will also discuss the pros and cons of accepting polluted soil at the landfill.

Presenters: Melinna Faw, ADEC; Kaylie Holland, ADEC

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM

2017-2018 ALASKA NATIVE TRIBAL HEALTH CONSORTIUM AIR QUALITY SUB AWARD

Presenters from Seldovia Village Tribe and Craig Tribal Association will share their radon project experience from the beginning to the end. Including testing devices and the challenges of testing.

Presenters: Jan Yeager, Seldovia Village Tribe; Shannon Isaacs, Craig Tribal Association

COMMUNITY SUSTAINABILITY: FIREWEED ROOM

INDIGENOUS PERSPECTIVES TO SUSTAINABLE RURAL ALASKAN COMMUNITIES

A grassroots perspective on innovative approaches for rural communities to assess, plan and adapt to a changing climate. This session will broaden perspectives through the lens of indigenous people for adaptation planning, project implementation, population health with a focus on traditional lifestyles.

Presenter: Jackie Qatalina Schaeffer, Alaska Native Tribal Health Consortium

CONTAMINATION SUPPORT: ILIAMNA ROOM

SUSTAINABLE SOIL REMEDIATION ALTERNATIVES

Hear about several remedial alternatives commonly used to treat petroleum-contaminated soil. These include thermal remediation, land farming, land spreading, and phytoremediation. Pros and cons of each will be presented, and we will discuss how to tailor a remediation to a site and a community. Costs and benefits of each approach will be discussed,

in terms of sustainability, local economic impact, feasibility, and control of exposure to contamination during remediation. We will also share some lessons learned from recent projects and summarize preliminary findings of UAF research.

Presenter: Rodney Guritz, Arctic Data Services LLC

LANDFARMING AND LANDSPREADING IN RURAL ALASKA

Land farming is a common method for remediating petroleum contaminated soil in rural Alaska. Petroleum contaminated soil can often be treated with a land farm or a land spread. In this presentation we will explain the difference between land farms and land spreads and when they are best used. We will also review land farm construction and placement, basic maintenance and operation, ADEC regulatory requirements, and decommissioning of the land farm. Properly utilized land farms and land spreads are relatively economical and aid in protecting human health and the environment too!

Presenter: Erin Gleason, Alaska Department of Environmental Conservation

CHART ROOM

BEST PRACTICES FOR TRIBAL CONSORTIA

We will share ideas for best practices for Tribal Consortia. Consortia and consortia members will gain a better understanding of EPA's expectations for consortia. We will share information about resources that are currently available to and through consortia.

Moderators: Susan Conbere, US EPA Region 10; Anahma Shannon, Kawerak, Inc.

NOTES

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GENERAL SESSION

8:00AM – 9:30AM

KEYNOTE SPEAKER



Tisha Simmons – Teisha Simmons is Koyukon Athabascan, Swedish and Portuguese. She is originally from the Yukon River communities of Galena and Koyukuk. She is the granddaughter of the late Sidney and Angela Huntington and the late Jenny Huntington. Her parents are Marie Simmons of Galena and the late James Walldow of Los Gatos, California. Teisha graduated from the University of Alaska Fairbanks in 2000 with a Bachelor of Arts degree in Psychology, and in 2003 with a Master of Arts degree in Clinical-Community Psychology. Over the last 17 years, she has spent her career teaching at the University of Alaska Fairbanks or providing senior management and strategic oversight to behavioral health and wellness programs in Fairbanks. She currently teaches for Alaska Native Tribal Health Consortium as a Behavioral Health Aide and Practitioner Instructor and runs a private consulting business through which she works on health and wellness projects for various organizations. She currently serves as a commissioner on the Interior Regional Housing Authority board and has extensive experience serving on various regional committees and boards such as the Doyon, Limited Board of Directors, the UAF Chancellor's Advisory Committee on Native Education, the Alaska Statewide Independent Living Council and the Fairbanks North Star Borough School District Cultural Diversity Committee. Teisha has received numerous awards including the AFN Hannah Paul Solomon Woman of Courage Award, the First Lady's Volunteer of the Year Award, the Doyon Limited Chief Andrew Isaac Future Youth Leader Award, the AFN Roger Lang Youth Leadership Award and the Governor's Council on Employment & Rehabilitation of People with Disabilities Alaskan of the Year Award. She enjoys spending her time volunteering in her community, helping with language revitalization efforts, but most of all just being at home enjoying with her partner Zac and their 13-year-old daughter Tassy.

TRACKS AND SESSIONS

9:40AM – 10:40AM

WATER & PUBLIC INFRASTRUCTURE: LUPINE ROOM

WATER, WASTEWATER AND SOLID WASTE INFRASTRUCTURE FUNDING SOURCES/BEST PRACTICES SCORING

Come find out about the sources of funding available for drinking water, waste water, and solid waste infrastructure projects in rural Alaska. Funding sources will be identified as well as the eligibility criteria, application period, and scoring criteria.

Presenter: Marty Brewer, Alaska Department of Environmental Conservation, Village Safe Water

MY CHANGING CLIMATE: KING SALMON ROOM

ALASKA'S LCC PARTNERSHIPS WORKING TOGETHER TO TACKLE THE CHALLENGES AND OPPORTUNITIES IN OUR RAPIDLY CHANGING ENVIRONMENT

The Landscape Conservation Cooperatives bring together diverse groups to find common ground, leverage resources, share information, and develop research tools, and adaptation strategies. We will share the latest status and direction of these partnerships including an exciting indigenous-led environmental monitoring effort expanding from the Bering Sea up the Yukon River and connecting into Canada.

Presenters: Dr. Leanna Heffner, Northwest Boreal LCC; Dr. Lauren Divine, Aleut Community of St. Paul Island

SOLID & HAZARDOUS WASTE: ASPEN ROOM**ORUTSARAMIUT NATIVE COUNCIL'S ALPAR RECYCLING AND ALPAR YOUTH LITTER PATROL**

Orutsaramiut Native Council is presenting the recycling program that they have created in partnership with ALPAR. O.N.C. is trying to keep their community clean by recycling aluminum cans and #1 PETE plastics. Their goals are to start up the recycling again in Bethel as there is a lot of pop bottles and cans around town. Also, O.N.C. hosted an ALPAR Youth Litter Patrol program that had the help of ALPAR. Throughout the summer, O.N.C. hired and educated youth on the importance of recycling and keeping their community clean. The youth enjoyed their time and even did an essay stating what they learned along with a recommendation for next year's program.

Presenter: Cynthia Allen, Orutsaramiut Native Council

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM**SLOW DOWN! CHANGING DRIVING BEHAVIORS TO REDUCE ROAD DUST**

Road dust can be significantly decreased by driving slower and practicing other helpful driving habits. This session will teach you how to share with your community about the impacts of road dust and what outreach tools are available from the Alaska Department of Environmental Conservation and the US Environmental Protection Agency.

Presenters: Paul Goodfellow, Alaska Department of Environmental Conservation; Dr. David Barnes, University of Alaska Fairbanks; Kayla Krauss, Environmental Protection Agency

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM**PANEL DISCUSSION**

This diverse panel will open the track each day discussing themed topics from their expertise. This guided discussion will engage the panel around topics that are important to our communities' resilience and sustainability. We have assembled together experts in the fields of naturopathy, community psychology, engineering, economics, and academia, as well as Alaska Native motivational speakers in an effort to encourage holistic thinking across all the tracks. Resilience and sustainability are the glue that holds our communities together. Come be a part of the discussion as the panelists share their perspectives on topics that include: what makes a community healthy, what makes projects successful in our communities, and how to integrate ingenuity of the past to innovate for the future.

Panel: Dr. Gary Ferguson, Consultant and Alaska Native Motivational Speaker; Dr. Rebecca Robinson, Alaska Native Tribal Health Consortium; Dr. Tobias Schwoerer, University of Alaska Anchorage (UAA) Institute of Social and Economic Research; Mr. Samuel Johns, Athabascan Rapper and Alaska Native Motivational Speaker; Joe Hess, Alaska Native Tribal Health Consortium DEHE; Nolan Klouda, UAA Center for Economic Development
Contamination Support: Iliamna Room

YOUTH VOLUNTEERS TRANSFORM BOX CANYON

Their mission began in 2013. Box Canyon, a critical salmon watershed in Seward, was hit hard by campers with no regard for the land or for the contamination their trash was causing as waste rushed out to the sea. 4-H Youth Volunteers met with local landowners, police officers, National Park Rangers, CIRI land managers, and ALPAR and presented their plan at the Resurrection Bay Conservation Alliance gathering: They were going to clean up the mess. It was not theirs, but it was a community service project they could take on. One youth and a 4-H Agent will tell the tales of multiple summers and how a contaminated site was restored.

Presenters: Kay Shoemaker, UAF Cooperative Extension Service and Anchorage 4-H; Liam Floyd, Anchorage 4-H

CHART ROOM**GAP REGIONAL SESSION**

We welcome your participation as we join Regional GAP Consortia in a co-moderated session. Norton Sound & Bering Strait (TB's) and Arctic & North Slope (CV's)

Moderator: Katherine Brown, US EPA Region 10

WATER & PUBLIC INFRASTRUCTURE: LUPINE ROOM

MAKE IT RAIN! HOW TO DEVELOP IDEAS INTO FUNDABLE PROJECTS

Learn how to take your ideas and turn them into fundable projects. This presentation will help with planning, locating grants and executing grant submissions.

Presenter: Meredith Noble, Seneca Works, LLC

MY CHANGING CLIMATE: KING SALMON ROOM

CLIMATE CHANGE IN A GAP WORKPLAN

Learn how the Indian General Environmental Assistance Program's grants can help tribes lay a strong foundation to address complex environmental issues in tribal communities. This session will present examples of environmental education, vulnerability assessments, emergency response and adaptation planning. Examples of tribal projects and EPA programs and resources to address these will be shared.

Presenter: Michelle Davis, EPA Region 10

SOLID & HAZARDOUS WASTE: ASPEN ROOM

BACKHAUL ALASKA UPDATE

Come and find out about the first year Pilot of the Backhaul Alaska Program. Find out how you can be involved!

Presenters: Simone Seballo- Zender Environmental and Augusta Edmond-Alakanuk IGAP Coordinator

SOLID WASTE ALASKA TASKFORCE AND SOLID WASTE SUMMIT UPDATE

The Solid Waste Alaska Taskforce has been busy. We have new tools and resources to share. We also want to announce the first Solid Waste Summit and Technology Expo. Have you ever wondered what you're missing by not being able to go to WasteCon in Las Vegas. This is your chance to find out about new and innovative technology right here in Alaska. Join us to learn more!

Presenters: Trisha Bower, ADEC, Desirae Roehl & Oxcenia O'Domin, Alaska Native Tribal Health Consortium

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM

GET YOUR MONEY'S WORTH! FINDING FUNDING TO REDUCE ROAD DUST

From behavior change to road improvements, to chemical suppressants, this session will explore different approaches to road dust management, how to maximize impact and where to find funding.

Presenter: Kayla Krauss, Environmental Protection Agency

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM

OUR SUCCESS, IGAP MOTIVATIONAL

This is a motivational presentation based on IGAP success. Hear one program's story from where they began to where they are now. Highlighting their work through their website.

Presenter: Henry Titus, White Mountain

CONTAMINATION SUPPORT: ILIAMNA ROOM

REINVESTMENT FOCUS AREAS - THE MUNICIPALITY OF ANCHORAGE'S APPROACH TO BROWNFIELD REDEVELOPMENT

The Municipality of Anchorage (MOA) was a recipient of a 2017 EPA Brownfields Assessment Grant. The MOA sought grant funds to help realize goals in the Anchorage 2040 Land Use Plan, a supplement to the municipality's

comprehensive plan. The Anchorage 2040 Land Use Plan identifies Reinvestment Focus Areas to spur infrastructure investments, create incentives, and encourage infill and redevelopment. Through a robust Brownfield Advisory Committee, cross-department collaboration, and high community interest, the MOA has laid the ground work, through implementing the \$300K Assessment Grant, for a wave of redevelopment opportunities in priority areas in the Anchorage Bowl.

Presenters: Nicole Jones-Vogel, AICP; Michelle McNulty, AICP, Municipality of Anchorage, Real Estate Department

CHART ROOM

GAP REGIONAL SESSION

We welcome your participation as we join Regional GAP Consortia in a co-moderated session. Copper River & Yukon-Kuskokwim (SC's) and Kuskokwim & Nelson Island (ML's)

Moderators: Susan Conbere & Mahri Lowinger, Environmental Protection Agency

NOTES

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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 to preserve our environment for future generations.

Join us for an afternoon celebrating our award winners with good food and stunning performances!

RISING STAR AWARD

The Rising Star Award is awarded to an individual, new to the tribal environmental field, who shows great promise to be an up and coming environmental leader in their community.

ENVIRONMENTAL LEADER AWARD

The Environmental Leader Award is awarded to an established tribal environmental professional who demonstrates outstanding motivation and leadership with environmental projects in their community.

LIFETIME ACHIEVEMENT AWARD

The Lifetime Achievement Award is awarded to an individual who has made long-lasting environmental contributions that improve environmental health in their community over the course of many years. This individual is a true inspiration and deserving the highest honor.

HELPING HANDS AWARD

The Helping Hands Award is awarded to an individual, team, or organization that has provided exceptional services to support environmental projects in tribal communities.

COMMUNITY / GROUP AWARD

The Community / Group Award is awarded to a group or a team that has demonstrated outstanding environmental leadership in their community and has worked together to improve their local environment.

WATER & PUBLIC INFRASTRUCTURE: LUPINE ROOM**HOW MUCH WATER IS NEEDED IN THE HOME?**

Discussion about the quantity of water actually needed in the home to maintain health vs. water that could be used at the washeteria for un-piped/self-haul communities.

Presenter: Dr. Tim Thomas, Alaska Native Tribal Health Consortium

MY CHANGING CLIMATE: KING SALMON**NORTHERN ALASKA COASTAL COMMUNITY OBSERVING NETWORKS: BUILDING CONNECTIONS, SHARING INFORMATION, AND EXPLORING USEFULNESS**

Several community-based environmental observing programs in Alaska combine local Indigenous Knowledge and western science to understand impacts of environmental change. The Alaska Arctic Observatory & Knowledge Hub (AAOKH) emphasizes seasonal changes affecting traditional resources by focusing on sea ice, wildlife, and ocean observations in Arctic Alaska coastal communities. The Exchange for Local Observations and Knowledge of the Arctic (ELOKA) provides data management and digital tools for the ethical sharing of data and knowledge. The Local Environmental Observer (LEO) Network collects observations of unusual environmental events to identify themes of change. We will introduce examples from AAOKH, ELOKA, and LEO to discuss connections among communities and observing programs, identify additional observing needs, and improve information sharing between coastal communities and scientists.

Presenters: Donna Hauser, University of Alaska, International Arctic Research Center, Matthew Druckenmiller, National Snow and Ice Data Center, and Erica Lujan, Alaska Native Tribal Health Consortium

SOLID & HAZARDOUS WASTE: ASPEN ROOM**KUSKOKWIM REGION BACKHAUL UPDATE**

This summer, The Green Star Community Program hosted five household hazardous waste collection and backhaul events in the Middle Kuskokwim region. The Green Star Community Programs backhaul pilot project was developed to partner backhaul professionals with villages in the Kuskokwim region, to safely collect, process and remove household hazardous material and special wastes. The programs goal is to manage the most hazardous legacy material and ship it out of the region, diverting it from local landfills and improving both environmental and human health in the villages in the middle Kuskokwim Region.

Presenters: Doug Huntman, Delta Backhaul Co; Billy Jean Stewart, Kalskag IGAP Coordinator; Jerilyn Kelly, Quinhagak IGAP Coordinator

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM**HEPA, MERV AND DO-IT-YOURSELF AIR CLEANERS**

There are a multitude of options to help clean indoor air and particulates, gases and VOC's. HEPA and MERV filters will be discussed and clarified on the types of pollutants that each filters. A Do-it-Yourself air cleaner will be introduced and built on site that is a low cost and effective alternative.

Presenter: Aileen Gagney, Tribal Healthy Homes Network

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM**ALASKAN STATE IMPROVEMENT PLAN, HEALTHY ALASKA 2020**

Alaska's State Health Improvement Plan, Healthy Alaskans 2020 (HA2020), is led by the State of Alaska and the Alaska Native Tribal Health Consortium. The HA 2020 framework includes health priorities with targets for improvement based on the latest scientific evidence and input from Alaskan communities and experts across the state that are tracked annually. This session will highlight Healthy Alaskans 2020, the specific strategies community partners are engaging in to meet statewide targets, and AK Native population strengths and disparities in LHI progress compared to the general population in Alaska specifically with regards to rural housing with water and sewer services.

Presenters: Cheryl Dalena, CTTS with Alaska Native Tribal Health Consortium; Lisa McGuire, MPH, State of Alaska

CONTAMINATION SUPPORT: ILIAMNA ROOM

INTRODUCTION TO BIOREMEDIATION WITH FUNGI

This session will give an introduction to the application of fungi and mushrooms to clean contaminated soils and water in rural Alaska. We will present basic principles of this green cleanup method of soils that have been contaminated with petroleum such as gasoline or diesel and soil that contains high concentration of heavy metals. Remediation with fungi is applicable to cold climates and is thought to be more affordable than common remediation practices such as dig and haul. We will share results from our summer pilot study. Part of this workshop is devoted to getting community feedback regarding this remediation method.

Presenters: Birgit Hagedorn, Sustainable Earth Research LLC; Allison Dunbar & Gabriel DeGange, Far North Fungi; Howard Sprouse, The Remediators INC; Jacqueline Summers, Paxaro Solutions

3:15PM – 4:05PM

WATER & PUBLIC INFRASTRUCTURE: LUPINE ROOM

HONEYBUCKETS IN RURAL ALASKA

This presentation will discuss the history of honeybuckets in Alaska, discuss the present need and describe best practice for use and disposal of honeybuckets.

Presenter: Brian Berube, Alaska Native Tribal Health Consortium

MY CHANGING CLIMATE: KING SALMON ROOM

IMPACTS OF THE HISTORIC 2017-18 WINTER CONDITIONS IN THE BERING SEA: LESSONS FOR OBSERVING AND RESILIENCE PLANNING (PART 1)

During the winter of 2017-18, the Bering Sea experienced the lowest sea ice coverage in at least 160 years. The combination of low pack ice, little shore ice, and storm activity caused substantial damage in several coastal communities. Because conditions of this unusual winter are likely to become more typical in the future, there is opportunity to reflect on recent community observations and experiences to inform local strategic management planning. This session will provide an overview of winter 2017-18 and host a discussion panel with community residents to discuss their observations. The session that immediately follows will continue the discussion.

Presenters: Matthew Druckenmiller, National Snow and Ice Data Center; Henry Huntington, Huntington Consulting

SOLID & HAZARDOUS WASTE: ASPEN ROOM

WE CLEANED UP OUR LANDFILL-AND MAINTAINED IT. COME FIND OUT HOW!

This will be a series of presentations from White Mountain, Birch Creek and Beaver. They have all underwent a significant landfill clean-up and have maintained it. A lot of places have cleaned up their landfill, but few are able to maintain it. Come and learn how they did it!

Presenters: Lance Whitwell, Birch Creek; Henry Titus, White Mountain; Frank Pitka & Marvin Sanford, Beaver

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM

HEALTH EFFECTS OF WOOD SMOKE

Exposure to wood smoke can cause negative health effects including: respiratory issues, stroke, heart attacks, and premature death. This presentation will discuss components of wood smoke, health effects, and how to protect yourself. In addition, we will also discuss available resources and wild fire activities that people can build into their EPA IGAP workplans.

Presenters: Stacey Cooper, Alaska Department of Health and Social Services; Erin McTigue, EPA Region 10

AIR QUALITY IMPACTS FROM VOLCANIC ERUPTIONS

The USGS AK Volcano Observatory monitors Alaska volcanos and provides information about potential eruptions and ashfall. Air quality is directly impacted by falling ash and resuspension of ash from the ground. Exposure to ash can make breathing difficult for infants, the elderly, and those with respiratory ailments. Presenters will discuss air quality concerns related to volcanic eruptions, tools the AVO makes available, and how ADEC uses them to identify and issue air quality advisories.

Presenters: Dave Schnieder, Alaska Volcano Observatory; Barbara Trost, Alaska Department of Environmental Conservation

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM

THREE SUCCESSFUL CLIMATE CHANGE ADAPTATION PROJECTS

Panelists will give brief overviews of three ongoing successful, locally driven, climate change adaptation projects in Alaska including: Adapt YK, Sustainable Southeast Partnership, and Adapt Alaska. Adapt YK is developing practical near-term adaptation strategies in three categories: trails & travel, community infrastructure, and subsistence & meat processing. Sustainable Southeast Partnership is an ongoing collaboration between tribes in SE is making real progress on a suite of coastal climate change topics. Adapt Alaska has produced a still growing website "toolbox" of practical climate change information with a focus on community stories of adaptation.

Presenters: Davin Holen, Alaska Sea Grant; Chris Beck, Agnew Beck Consulting

CONTAMINATION SUPPORT: ILIAMNA ROOM

PRINCE OF WALES ISLAND BROWNFIELD SUCCESS STORIES

In this session, we will identify potential brownfield sites and reuse plans, successes, and challenges that we have encountered.

Presenters: Brian Holter Jr, Klawock Cooperative Association; LaNeice Congdon, Organized Village of Kasaan

YOUR HARD WORK WILL PAY OFF

We wanted to present from start to "finish" on the process we went through to take one of our Brownfield sites from Targeted Brownfield Assessment to the DEC testing phase. It took a few years, and we were often frustrated, but by working in conjunction with EPA, DEC, our local Resource Management Department of Ahtna Incorporated, and many other entities, we were able to accomplish our goals. We can move on to our next steps. An encouragement for other grantees who are struggling with the amount of time it takes to complete a project.

Presenters: Brandie Radigan & Derrick Sinyon, Native Village of Gakona

CHART ROOM

ALASKA TRIBAL LIAISON INTERAGENCY GROUP MEETING

Moderator: Kristine Harper, USDA Natural Resources Conservation Service

4:15PM – 5:00PM

WATER & PUBLIC INFRASTRUCTURE: LUPINE ROOM

ENVIRONMENTAL HEALTH UPDATES IN VILLAGE HEALTH CLINICS

Learn about common findings during environmental health surveys of village health clinics in rural Alaska. Updates to these standards related to village health clinics will be covered.

Presenter: CDR Michael Box, Alaska Native Tribal Health Consortium

MY CHANGING CLIMATE: KING SALMON ROOM

IMPACTS OF THE HISTORIC 2017-18 WINTER CONDITIONS IN THE BERING SEA: LESSONS FOR OBSERVING AND RESILIENCE PLANNING (PART 2)

Building on the previous session, this session will discuss how Bering Sea communities responded to adverse environmental conditions during the unusual winter of 2017-18, and what is needed to respond to future winter conditions that may be even more extreme. We will provide an overview of existing scientific and community resources for monitoring and understanding the Bering Sea environment followed by a facilitated discussion with community members on how observations and experiences can inform local strategic management planning. This session will outline a needs assessment for a potentially new environmental baseline for winter conditions in the Bering Sea region.

Presenters: Rick Thoman, Alaska Center for Climate Assessment & Policy; Elizabeth Arnold, University of Alaska Anchorage

SOLID & HAZARDOUS WASTE: ASPEN ROOM

SOLID WASTE HORROR STORIES

A compilation of bad solid waste issues seen over a decade. The presentation includes tons of photos sharing what is going on and the impacts from them.

Presenter: Trisha Bower, Alaska Department of Environmental Conservation

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM

WOOD STOVE DEMONSTRATION PROJECT

After rigorous PM2.5 baseline data collection, it was decided a stove replacement program would be necessary. Design, social, and funding issues were at hand, but the goal was to learn how to make a successful stove replacement project in our community and help others make a stove replacement program successful.

Presenters: Jeromy Grant & Ian Johnson, Hoonah Indian Association

DEVELOPING AN EMISSION INVENTORY AND COMMUNITY BASED CLIMATE ACTION PLAN

Pedro Bay is a community actively committed to developing a baseline greenhouse gas inventory, a community based GHG reduction program and climate change action plan. Presenters will share experiences in developing an emissions inventory and the process used to incorporate community knowledge on the changing local climate and their strategy to develop their action plan.

Presenters: Ben Foss, Pedro Bay Village Council; Paul Goodfellow, Alaska Department of Environmental Conservation

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM

CANOEING THE YUKON IN THE NAME OF OUTREACH AND SCIENCE

This summer, staff from Yukon River Inter-Tribal Watershed Council canoed over 300 miles of the Yukon River. On this journey staff took environmental samples along the way as well as stopped to complete work in four Native Alaskan communities on the giant waterway path. This work included putting on community talking circles on mining and conducting youth outreach. Come hear about the accomplishments from this summer expedition as well as the lessons learned.

Presenters: Kari Eschenbacher Young & Emily Anderson, Yukon River Inter-Tribal Watershed Council

WEDNESDAY AGENDA

Desktop studies for Phase I environmental site assessments can be challenging in rural Alaska because data packages provided by companies, such as EDR, are incomplete. This presentation will cover potential sources of reference materials for Alaska sites, which can provide valuable insight on properties to guide the site reconnaissance visit and interviews.

USING DRONE FOOTAGE TO MONITOR CONTAMINATED SITES

Presenters: Maryann Fidel, Yukon River Inter-Tribal Watershed Council; Doug Huntman, Delta Backhaul Company

ALASKA TRIBAL LIAISON INTERAGENCY GROUP MEETING

Moderator: Kristine Harper, USDA Natural Resources Conservation Service

NOTES

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GENERAL SESSION

8:00AM – 8:30AM

KEYNOTE PRESENTER



Maija Katak Lukin – Maija Katak Lukin, Inupiaq, was born in Kotzebue and raised on the shores of Cape Krusenstern National Monument at Sisualik. She is the daughter of Willie and Jennie Johnson of Kotzebue and Sisualik, and the granddaughter of the late Doc and Katak Harris (Inupiaq) of Sisualik and the late Floyd and Hazel Johnson (Finnish) of Anchorage and Chickaloon. She is the former Regional Communications Manager for NANA, and Tribal Environmental Manager for Maniilaq Association, representing 12 tribes in northwest Alaska. She is also the former Mayor of the City of Kotzebue, and welcomed President Obama to Kotzebue in 2015. Currently Lukin is the superintendent at the National Park Service's Western Arctic National Parklands. The parks include over 9.2 million acres of federal public land in three parks in Northwest Alaska: Cape Krusenstern National Monument, Kobuk Valley National Park and Noatak National Preserve. Lukin is responsible for protecting and preserving the natural and cultural resources within the parks, as well as community relationship building, subsistence management, and preparing for changes in the arctic climate. Katak and her husband have four children, one perfect granddaughter, and are raising their two nieces in Kotzebue and Sisualik.

TRACKS AND SESSIONS

8:30AM – 9:30AM

WATER & PUBLIC INFRASTRUCTURE: LUPINE ROOM

IMPLEMENTING WATER IS LIFE PROJECT WITH IGAP FUNDING

Water is Life is a collaborative outreach project that centers on local culture in the quest to improve sustainable access to safe water. The National Tribal Water Center developed a Water is Life curriculum to guide interested leaders to carrying out this outreach project. This presentation will also cover how to apply for EPA IGAP funding to accomplish a Water is Life project.

Presenter: Marleah LaBelle, Alaska Native Tribal Health Consortium

GEORGETOWN WATER QUALITY PROJECT

Safeguarding water resources in Alaska is important to provide safe, clean water for future generations and to maintain a healthy ecosystem. Testing water quality can be used to develop baseline characteristics of a water body and a way to track changes over time. Georgetown Tribal Council will give an overview of their sampling process and the results of the study that they have gathered so far for the middle Kuskokwim.

Presenter: Meredith Witte, Georgetown Tribal Council

MY CHANGING CLIMATE: KING SALMON ROOM

PRESERVING TRADITIONAL FOOD RESOURCES IN A CHANGING ENVIRONMENT

Chugach Regional Resources Commission (CRRC) conducted a traditional foods assessment throughout the Chugach Region of Alaska. The goals of this assessment were to gain a baseline of traditional knowledge on food consumption patterns, needs, use and harvest patterns, and food consumption trends.

Presenter: Willow Hetrick, Chugach Regional Resource Commission

SOUTHEAST ALASKA FRESHWATER TEMPERATURE MONITORING

Climate change is impacting temperatures and flow regimes in salmon streams across Southeast Alaska. There has been a great deal of community based monitoring in Southeast Alaska in recent years to understand stressors to freshwater ecosystems where salmon are reared and spawn. A salmon life cycle model, driven by data collected by local communities and tribes, will enable communities to adapt in the future and identify important salmon refugia to focus on for increased research, monitoring, and mitigation efforts. This project could be a potential model for other areas of Alaska.

Presenter: Davin Holen, Alaska SeaGrant

SOLID & HAZARDOUS WASTE: ASPEN ROOM

BUILDING THE HUMAN RESOURCES IN YOUR COMMUNITY

Can job training get you the workers you need? What would best serve your employment needs: advancing job readiness skills, certification specific to environmental technician work, or both? Presenters will explain how to tell the difference and how to identify those that will best fit your program. Your community has hidden untapped wealth right in town. The potential for fellow community members, young and old, to help you in your efforts is great. For some, they may lack just one thing: training in technical skills and job readiness. You can offer them that gift as an employer and you'll get back someone who can rocket blast your environmental program forward. Not only can a skilled employee help you build a healthier environment, but ultimately, they can also build healthier families and community as a whole!

Presenters: April McCoy, Zender Environmental Health & Research Group; Lepani Nadore, Old Harbor; Julia Nick, Akiachak; Nathan Elswick, Anvik

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM

FINDING FUNDING AND SUPPORT FOR HEALTH HOMES WORK

This interactive panel session, with representatives from Federal programs: the EPA, BIA, HUD and the USDA, will speak about how their agencies can help tribes complete healthy homes and Indoor Air Quality work. Topics will include grants and loans, technical assistance, funding guides, and past examples.

Presenters: Erin McTigue & Mahri Lowinger, EPA Region 10; Aileen Gagney, Tribal Healthy Homes; Carmen Reed & Greg Stuckey, HUD; Jimmy Ord & Michael Spencer, Alaska Housing Finance Corporation

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM

PANEL DISCUSSION

This diverse panel will open the track each day discussing themed topics from their expertise. This guided discussion will engage the panel around topics that are important to our communities' resilience and sustainability. We have assembled together experts in the fields of naturopathy, community psychology, engineering, economics, and academia, as well as Alaska Native motivational speakers in an effort to encourage holistic thinking across all the tracks. Resilience and sustainability are the glue that holds our communities together. Come be a part of the discussion as the panelists share their perspectives on topics that include: what makes a community healthy, what makes projects successful in our communities, and how to integrate ingenuity of the past to innovate for the future.

Panel: Dr. Gary Ferguson, Consultant and Alaska Native Motivational Speaker; Dr. Rebecca Robinson, Alaska Native Tribal Health Consortium; Dr. Tobias Schwoerer, University of Alaska Anchorage (UAA) Institute of Social and Economic Research; Mr. Samuel Johns, Athabascan Rapper and Alaska Native Motivational Speaker; Joe Hess, Alaska Native Tribal Health Consortium DEHE; Nolan Klouda, UAA Center for Economic Development

CONTAMINATION SUPPORT: ILIAMNA ROOM

A LOOK INTO CONTAMINATED SITES AND POTENTIAL HEALTH EFFECTS IN ALASKA

Contaminated sites exist across Alaska. GIS was used to examine available data for potential associations between known contamination sites and health disorders experienced in Alaska. Preliminary findings including maps and design of possible community-participatory studies will be presented. Outreach to interested communities is planned for qualitative participatory knowledge and input.

Presenters: Anita Moore-Nall PhD, UAA Health Sciences Multicultural Post-Doctoral Fellow (Blackfeet), Medical Geology; Lisa L. Schwarzburg, PhD, UAA Health Sciences Assistant Professor, Rural and Indigenous Health (NANA Region)

CANCER AND THE ENVIRONMENT IN RURAL ALASKA

Cancer is the leading cause of death among Alaska Native people. This session focuses on the following questions: What are the current rates of cancer among Alaska Native People? What are the environmental risk factors of cancer? How do scientists decide which substances in the environment are likely to cause cancer? How do we come in contact with substances in the environment that cause cancer? What can be done to reduce exposures to carcinogens in the environment? How do we tailor messages for Alaska Natives?

Presenters: Joe Sarcone & Dr. Rhonda Kaetzel, US Department of Health and Human Services, Agency for Toxic Substances and Disease Registry

CHART ROOM

GAP REGIONAL SESSION

We welcome your participation as we join Regional GAP Consortia in a co-moderated session. Upper Yukon & Eastern Interior (SD's)

Moderators: Sherry Davis and Robert Solomon, Council of Athabascan Tribal Governments

9:40AM - 10:40AM

WATER & PUBLIC INFRASTRUCTURE: KING SALMON ROOM

BUILDING RESILIENCE TO EXTREME EVENTS AND WATER HAZARDS PLANNING IN RURAL COMMUNITIES

In our changing climate and environment in Alaska, extreme events have large impacts on rural and predominantly indigenous coastal communities in coastal and riverine areas in Alaska. This project, which is being conducted in western Alaska and southern Louisiana, compares water and wastewater information needs for extreme events and identifies strategies to reduce risk and increase resilience in Alaska, Louisiana, and other rural coastal communities in the US.

Presenter: Davin Holen, Alaska Sea Grant; Kevin Berry, Institute of Social and Economic Research

MY CHANGING CLIMATE: LUPINE ROOM

CLIMATE RESILIENCE PLANNING IN THE NORTH BERING SEA REGION

We will discuss how we completed the Local Climate Change Adaption Planning Project and assisted communities located in the North Bering Sea Region while they planned for and obtained funding to build sea-walls, berms, and other structures to protect against high seas. We also help communities minimize the need to build near bluffs and other coastal zones, relocate and protect homes, protect water and sewage infrastructure and other public facilities, anticipate other current and future community needs, and identify and establish funding sources to address these dangers.

Presenters: Emily Murray, Native Village of Elim; Carol Oliver, Chinik Eskimo Community

PORT HEIDEN CLIMATE CHANGE ASSESSMENT

Between May of 2017 and September of 2018, Port Heiden community members helped ANTHC document observed environmental changes and their associated health impacts. These changes were documented in a report followed by a series of adaptation strategies that applied future climate projections to existing community priorities. This session will discuss the process and outcomes.

Presenters: Jaclyn Christensen, Native Village of Port Heiden; Erica Lujan, Alaska Native Tribal Health Consortium

SOLID & HAZARDOUS WASTE: ASPEN ROOM

CHALKYITSIK AND TWIN HILLS: NEW LANDFILL CONSTRUCTION AND OLD LANDFILL CLOSURES

Chalkyitsik and Twin Hills both had a new landfill constructed and their old landfill closed this summer. Chalkyitsik partnered with the Alaska Native Tribal Health Consortium and Twin Hills partnered with Summit Consulting Services. Come and learn about how to build a new landfill and close out your old landfill from your peers. Chalkyitsik also partnered with NRC to have all of their old drums and containers characterized.

Presenters: Patricia Salmon, Chalkyitsik Village Council; DaWayne Constantine, Summit Consulting Services

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM

OIL & GAS EMISSIONS - WHAT ARE THEY AND HOW DO THEY AFFECT RURAL ALASKA HEALTH?

This session will focus on emissions from oil and gas exploration and development that can cause health issues. It will also explain national air quality standards.

Presenter: Molly Birnbaum, Alaska Department of Environmental Conservation

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM

INNOVATIVE DESIGN AND ENGINEERING IN RESPONSE TO A RAPIDLY CHANGING CLIMATE

ANTHC has committed teams working in response to our changing Arctic to adapt our design and engineering to assist our indigenous communities in a holistic manner that fosters a sustainable health future. These teams are engaged in projects like "flexible arctic water service connections, modular water treatment plants, portable alternative sanitation system and solar power thermosipon foundation cooling systems. Let's engage in out-of-the box thinking to meet the demands of our changing climate.

Presenters: Joe Hess & Mia Heavener, Alaska Native Tribal Health Consortium

CONTAMINATION SUPPORT: ILIAMNA ROOM

INTRODUCTION TO THE TRIBAL BROWNFIELDS FORUM

The Tribal Brownfields Forum is a newly-developed online platform for connecting brownfields and contaminated sites staff and professionals from tribal areas. Users can create profiles, participate in discussions with other tribal brownfields professionals, and share and access helpful resources in one central location. This session will cover why the Forum was developed, how to use it, and act as the official release of the Tribal Brownfields Forum in Alaska. Attend this session to learn about this valuable new tool directly from the team that developed it!

Presenter: Mike Brook, Alaska Native Tribal Health and Cynthia Annette, Kansas State University Tribal Technical Assistance to Brownfields Program

11:00AM – 12:00PM

WATER & PUBLIC INFRASTRUCTURE: LUPINE ROOM

INNOVATIVE APPROACH TO RURAL SANITATION

ANTHC DEHE is using simplified technology to approach sanitation solutions in unserved communities. These systems provide safe, filtered, disinfected water, a rain catchment system, a separating drying toilet with venting fan and a

seepage pit for liquid waste. This small increased level of service allows communities to use alternative solutions until piped water and sanitation is available.

Presenter: Jackie Qatalina Schaeffer, Alaska Native Tribal Health Consortium

MY CHANGING CLIMATE: KING SALMON ROOM

MIDDLE KUSKOKWIM CLIMATE CHANGE ADAPTATION PLAN

Actively preparing for changes in our environment is imperative for Alaskan communities. As a continuation of their Climate Change Vulnerability Assessment, Georgetown Tribal Council will be leading a kick-off session on developing an adaptation plan for the Middle Kuskokwim. This session will provide an overview of the plan's development process and the results of Georgetown's Climate Change Vulnerability Assessment. This kick-off session will provide a space for key-stakeholders from the Middle Kuskokwim to learn about this project together. Further discussion will include an in-depth look into the Vulnerability Assessment's process, challenges and successes observed during the development process, and next steps to incorporate identified vulnerabilities into an adaptation plan.

Presenters: Meredith Witte & Will Hartman, Georgetown Tribal Council

SOLID & HAZARDOUS WASTE: ASPEN ROOM

TYONEK'S BACKHAULING STORY

The Tyonek Tribal Conservation District would like to share their story about the environmental benefits through tribal conservation districts, including wonderful programs and hardworking partners.

Presenter: Tonya Kaloa, Tyonek Tribal Conservation District

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM

HOLISTIC APPROACH TO SUSTAINABLE NORTHERN

This project focuses on improving quality of life in villages while recognizing culture, value and environment all while bringing together local and regional leadership and a broad group of agencies to explore solutions such as inadequate housing, lack of basic infrastructure, high energy costs and poor sanitation.

Presenter: Jack Hebert, Cold Climate Housing Research Center

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM

BUILDING FOOD SECURITY THROUGH PLACE-BASED EDUCATION

Food resources are changing in southeast Alaska due to alteration of key habitats. High school students were engaged around the topic of food security and the results were amazing. Student activities facilitated stream restoration funding, enabled summarization of top community concerns, and were used to develop a place-based science curriculum. By engaging multiple partnerships, we are actively exploring means to expand the project in both high schools and colleges to foster a new generation of Native educators, scientists, and environmental regulators.

Presenter: Jennifer Hamblen, Natural Resource Consultant

CONTAMINATION SUPPORT: ILIAMNA ROOM

ALASKA STATEWIDE OIL SPILL PLANNERS TRANSITION TO AREA PLANNING

The state of Alaska is now better prepared for oil and chemical spill emergencies that negatively impact public health and the environment. The State of Alaska, U.S. Coast Guard, and the Environmental Protection Agency recently transitioned to the nationally consistent Area and Regional Planning construct as stipulated by the National Oil and Hazardous Substances Pollution Contingency Plan. This transition encompasses the NCP oil and chemical spill planning and preparedness model, the foundation of which is Area Contingency Plans (ACPs) managed by Federal and State On-Scene Coordinators (FOSC/SOSC) via Area Committees. This presentation provides details on how the public, stakeholders, and tribal and local governments can integrate and have an impact on how chemical spill responses are planned and prepared for across the State. This presentation describes the new role of the long-standing Alaska Regional Response Team as a technical advisory committee for FOSC/SOSCs and manager of the Regional Contingency

Plan. Finally, the presentation lays out the advantages the area and regional planning system brings to the State and how anyone can get more involved in oil and chemical spill planning, preparedness and response issues.

Presenters: MSTC Nate Hatfield, U.S. Coast Guard, Mary Goolie, US EPA, and Geoff Merrell, Alaska Department of Environmental Conservation

CHART ROOM

GAP REGIONAL SESSION

We welcome your participation as we join Regional GAP Consortia in a co-moderated session. Bristol Bay (JR's) Bristol Bay (MO's) Bristol Bay & Aleutian-Pribilof Islands (NW's)

Moderators: Neverley Wake, US EPA Region 10; Karen Pletnikoff, Aleutian Pribilof Island Association; Melany Eakin, Bristol Bay Area Health Corporation

1:30PM – 2:30PM

WATER & PUBLIC INFRASTRUCTURE: LUPINE ROOM

INTRODUCTION TO SHOP-BUILT ABOVE GROUND STORAGE TANKS

We've prepared this introduction to above ground storage tanks as a beginner's guide, a sort of 'Tank 101' to introduce you to the types of tanks, the common problems these tanks have, and some best management practices that apply to these tanks. Integrity Environmental will offer a free web-based training to all attendees. The free training will cover information on tank farm maintenance and housekeeping.

Presenter: Integrity Environmental, LLC

MY CHANGING CLIMATE: KING SALMON ROOM

ADAPT YK: PRACTICAL STRATEGIES FOR CLIMATE CHANGE ADAPTATION

In this working session, participants will review and improve work in progress to develop practical near term adaption strategies in the Yukon Kuskokwim region. A 20 person YK-based steering committee has produced a first draft of an "Adapt YK Adaptation Action Plan," working with the Western Alaska LCC and a consulting team. The focus of this project is ACTION! We'll use the expertise in the room to refine climate change YK adaptation actions in three categories: trails and travel, community infrastructure, and subsistence, aiming to find realistic ways that local communities can respond to the challenges and opportunities of climate change.

Presenters: Davin Holen, Alaska SeaGrant; Chris Beck, Agnew: Beck Consulting; Jennifer Hooper, Association of Village Council Presidents; Ray Born, US Fish and Wildlife Service

SOLID & HAZARDOUS WASTE: ASPEN ROOM

BUSINESS OF TRASH

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

RETAIL MARIJUANA: PUBLIC HEALTH POLICY, HEALTH CONSIDERATIONS, AND PREVENTION

Presenters will share research on potential health effects of marijuana across childhood development and how the regale marijuana industry in Alaska may affect youth. This presentation will also provide information on education and prevention using proceeds from the tax on marijuana sold in Alaska.

Presenters: Eliza Muse, Office of Substance Misuse & Addiction; Laurie Orell, McDowell Group; Stephanie Allen; Sylvia Craig

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM

FUNDING TRIBAL EMERGENCY AND MITIGATION PROJECTS

Oftentimes localized damage does not meet the threshold for federal or state disaster assistance. This panel will discuss recent community needs addressed by the ANTHC Center for Environmentally Threatened Communities and two federal funding sources which may help tribes address these needs: HUD's Indian Community Development Block Grant Imminent Threat and FEMA's Pre-Disaster Mitigation Grant. The panel will also discuss a new project type called Advanced Assistance, which is available under FEMA's current funding opportunity to help tribes develop mitigation project applications.

Presenter: Ann Gravier, Department of Housing and Urban Development

CONTAMINATION SUPPORT: ILIAMNA ROOM

E-TOOLS FOR ENVIRONMENTAL PROGRAMS

Kansas State University's Technical Assistance to Brownfields (TAB) program offers a number of E-Tools that can assist with managing brownfields and other environmental projects. Attend this session to learn how to use the Brownfields Inventory Tool (BIT), the BIT Mobile app, and how E-tools can help enhance your Tribal Response Program.

Presenter: Cynthia Annett and Mickey Hartnett, Kansas State University Tribal Technical Assistance to Brownfields Program

LAUNCH OF YRITWC'S CONTAMINATED SITES APP

To assist with keeping the database of contaminated sites updated within the Yukon River, YRITWC has created their own app and it's ready for launch. This presentation covers the planning process behind creating an app as well as the specialized features it includes to report on brownfield sites.

Presenter: Emily Anderson, Yukon River Inter-Tribal Watershed Council

CHART ROOM

NATIONAL SNOW AND ICE DATA CENTER MEETING

Moderator: Matthew Drunkenmiller

2:40PM – 3:40PM

WATER & PUBLIC INFRASTRUCTURE: LUPINE ROOM

MONITORING THE HEALTH OF YOUR WATER SYSTEM

Learn about the benefits of remote monitoring in community infrastructure. Here we will discuss how remote monitoring can help increase the longevity of a system, save money on avoidable damage, and prevent costly equipment failures and freeze ups.

Presenter: Timothy Eby, Alaska Native Tribal Health Consortium

MY CHANGING CLIMATE: KING SALMON ROOM

ADAPT YK: PRACTICAL STRATEGIES FOR CLIMATE CHANGE ADAPTATION CONTINUED.

Presenter: Davin Holen, Alaska SeaGrant; Chris Beck, Agnew::Beck Consulting; Jennifer Hooper, Association of Village Council Presidents & Ray Born, US Fish and Wildlife Service

SOLID & HAZARDOUS WASTE: ASPEN ROOM

ADULT AND YOUTH OUTREACH AND EDUCATION: INCLUDING ORDINANCES AND RATE DEVELOPMENT

Come and learn from successful villages how they conduct outreach and education. Having a successful outreach and education strategy will really help with passing ordinances and a fee schedule for your solid waste program. Come and learn how this is working in St. Michael and Nulato.

Presenters: Michelle Snowball, St. Michael IGAP Program; Martha Turner, Nulato IGAP Program

AIR QUALITY & HEALTHY HOMES: BIRCH ROOM

THE VOLKSWAGEN (VW) SETTLEMENT FOR TRIBES

Join representatives from Northern Arizona University's ITEP and the EPA to gain knowledge on how tribes can access the \$55 million settlement from the automaker Volkswagen that funds projects that repower and/or replace dirty diesel vehicles and equipment for the next 4 years. Attendees will learn how to sign up, what projects are eligible, how to apply, and how to submit plans & budgets. Participants will also learn about the Diesel Emissions Reduction Act (DERN) Program.

Presenters: Andy Bessler, Institute for Tribal Environmental Professionals; Lucita Valiere, Environmental Protection Agency

SUSTAINABILITY & RESILIENCE: FIREWEED ROOM

ELDERS AND YOUTH REFLECTION

Listen in on a facilitated discussion with elders who reflect on this year's session and share their perspective on next year's resilience and sustainability track.

Facilitator: Jackie Qatalina Schaeffer, Alaska Native Tribal Health Consortium

CONTAMINATION SUPPORT: ILIAMNA ROOM

BROWNFIELDS LIABILITY

Have you wondered why you should get a Phase I Environmental Site Assessment before taking ownership of a property? Or do you have other questions regarding how legal liability could affect getting Brownfields funding for a project in your community? Join ADEC Brownfields to discuss the various federal and state laws that influence how and if a property is eligible for Brownfields funding.

Presenter: Lisa Griswold, Environmental Protection Agency

HAZARDOUS BUILDING MATERIALS (HBM)

Have you wondered what was used to construct buildings in your community and how they could affect reusing the building in the future? Join the EPA to learn what Hazardous Building Materials are, what they were used in, what years they were used in construction, and what you can do with them if you have them.

Presenters: John Pavitt and Jon Jones, Environmental Protection Agency

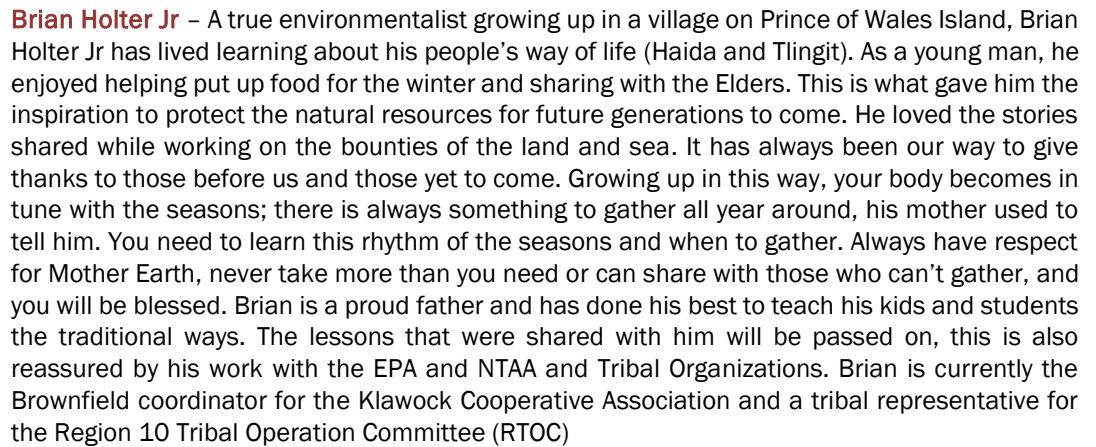
CHART ROOM

NATIONAL SNOW AND ICE DATA CENTER MEETING CONTINUED

Moderator: Matthew Drunkenmiller

FRIDAY AGENDA

KEYNOTE PRESENTER



Dr. Tina Marie Woods – Dr. Tina Woods is Aleut, who is 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 PhD 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.

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TRAINING SESSIONS

8:00AM – 5:00PM

FIRST AID, CPR AND AED CERTIFICATION - (24 MAX) DILLINGHAM ROOM

This course provides participants with the knowledge and skills they need for effective leadership in the event of an emergency. This program trains participants to respond to breathing and cardiac emergencies, injuries and sudden illness until advanced medical personnel take over. This certification is valid for 2 years.

Trainer:Carolynn Madden, AK Training & Tank Farm Service LLC

CONFINED SPACE ENTRY SAFETY (20 MAX) RALA KATMAI ROOM

This workshop will provide an introduction to the confined space regulations, confined space evaluation and entry procedures. Additionally, we will provide hands-on instruction on the use of air monitoring devises, fall protection equipment, rescue equipment, two-way radios, intrinsically safe ventilation equipment and confined space lighting.

Trainer: Christopher Fish, Alaska Native Tribal Health Consortium

AIR QUALITY - HEALTHY HOMES OUTREACH - A KEY PATHWAY TO IMPROVING AIR QUALITY (40 MAX) - KING SALMON/ILLIAMNA ROOM

This training session will focus on sharing resources and doing education and outreach for youth, youth involvement, and the residents of your community. Trainers will share presentations, ideas, and hands-on-activities to take home and engage a targeted audience. We will share effective resources available for you and your community to utilize including videos, social media materials that will promote healthy homes, the Air Matters Toolkit that you can use to provide education to residents, and Indoor Air and Asthma materials for community health workers. Participants will also leave with a lung function model kit, a small green cleaning kit, and access to instructions for many other activities.

Trainers: Mary Mullan, and Abby Nelson Alaska Native Tribal Health Consortium

THE BUSINESS OF TRASH / SOCIAL MARKETING (40 MAX) ASPEN/SPRUCE ROOM

Business of Trash – Feeling overwhelmed or stuck in improving your community’s solid waste program? Learn to use self-assessment exercises and discussions to help you identify and prioritize areas to improve on in your solid waste programs. Part 2: Social Marketing – Research has shown that simply providing people with information and making them aware of issues is not enough to change a person’s behavior. For this reason, you will learn how to identify behaviors that you would like to change in your community and gain the tools you will need to enact those changes.

Trainer: Sean Peterson, Zender Environmental Health & Research Group

WATER QUALITY MONITORING WORKSHOP (30 MAX): BIRCH/WILLOW ROOM

The water quality training will allow participants to learn and/or extend their knowledge in water quality and water sampling methods important to developing a community-based monitoring program. The emphasis of this workshop focuses on the usage of water quality monitoring method development for surface water sampling, on-hand training on how to use water quality instruments, simple step-by-step instructions to measure physical, chemical, and biological parameters of water quality, and the interpretations of water quality data. No knowledge or skills in water quality testing methods is required for this training.

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

SOLID WASTE BOOT CAMP (40 MAX): CHART ROOM

This training is a crash course into Solid Waste Management. There will be an even mix of experiments, activities, hands-on backhaul work and classroom presentations. The topics provided include: solid waste 101, landfill design, landfill operations and solid waste management, plus an overview of ordinances, fees and infrastructure

Trainers: Trisha Bower, Alaska Department of Environmental Conservation; Katherine Brower, Yukon River Inter-Tribal Watershed Council

BUILDING FOOD SECURITY THROUGH PLACE-BASED EDUCATION (40 MAX): FIREWEED ROOM

Learn how to engage, inform, and empower the next generation while maximizing time efficiency as environmental coordinators and teachers. Wouldn't you like to collect more data while fulfilling youth outreach goals at the same time? Every project you do as environmental coordinators has the potential to encourage environmental stewardship.

Trainers: Chohla Moll, Mt. Edgecumbe High School; Jennifer Hamblen

INTRODUCTION TO BIOREMEDIATION WITH FUNGI: LUPIN ROOM

An introduction to the application of fungi and mushrooms to clean contaminated soils and water in rural Alaska. We will present basic principles of this green cleanup method of soils that have been contaminated with petroleum such as gasoline or diesel and soil that contains high concentration of heavy metals. The remediation with fungi is applicable to cold climates and is thought to be more affordable than common remediation practices such as dig and haul. We will share results from our summer pilot study. Part of this workshop is devoted to learn your perspective and thoughts about this remediation method.

Trainers: Birgit Hagedorn, Sustainable Earth Research LLC; Allison DunDeGangebar, Far North Fungi

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

1:00PM – 5:00PM

OVERCOMING THE CLIMATE COMMUNICATION CHALLENGE - (24 MAX): FIREWEED ROOM

A challenge to action on climate change is our own mindset. This workshop has two interactive parts: 1) why people think about climate change the way they do and 2) how to improve conversations about it. The first section addresses what makes climate change psychologically difficult to understand, the effects of misinformation, why people are uncertain in talking about climate change, and the negative effects of this. The second part consists of ways to introduce more climate talk into your life, including how to respond to misinformation and develop a personal story to share impacts and encourage action.

Trainers: Malinda Chase, AK Climate Adaptation Science Center& Aleutian Pribilof Island Association; Kristin Timm, George Mason University

PLANNING AND DEVELOPING A 128(A) GRANT WORK PLAN (40MAX): LUPIN ROOM

How to plan and develop a CERCLA 128(a) Tribal Response Program (TRP) Grant Work Plan, to establish and/or enhance your TRIP, that will meet your needs and will meet the requirements of the US E. This is an interactive workshop that will discuss activities and tasks that fit into the 4 Elements of the TRP, Institutional Controls, and the Public Record. We will provide a basic review of the Elements of the TRP, have a group discussion on necessary tasks, and how to propose them to meet the EPA TRP Grant guidance. There will also be one-on-one time to assist with drafting your TRP Grant Work Plan as time permits (bring your laptop and last year's work plan).

Trainers: Joy Britt, Alaska Native Tribal Health Consortium, Mary Goolie, Environmental Protection Agency, & Mickey Hartnett, Kansas State University

(OFF CAMPUS)

GPS/GIS BASICS FOR ENVIRONMENTAL MONITORING AND MANAGEMENT (18 MAX): OFF SITE – ENVIRONMENTAL MANAGEMENT, INC. CAMPUS

This 8-hour class is part of the Environmental Worker Training program offered by the Alaska Forum ETAP. Participants will learn basic GPS and GIS techniques used in monitoring and mapping environmental and natural resources through

hands on exercises. Students will use handheld GPS receivers to collect data, import that data into GIS to allow calculations of basic special statistics, and produce simple maps. Class will be conducted at APU and transportation from conference site to campus will be provided.

Trainers: Jason Geck, Alaska Pacific University; Meg Burgett

PALMER FARM TOUR (12 MAX): MEET OUTSIDE THE HILTON AT 9:00AM

In this tour we'll learn how biochar is created, applied to planting soil and used to increase growth. In addition we will look at machinery which can incinerate biomass/wood and create natural gas which then can be bottled and burned for heat, routed to an engine for transportation or used to make electricity.

Tour Guide: Art Nash, University of Alaska Fairbanks, Cooperative Extension 907-332-2309

NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

PLANNING COMMITTEE MEMBERS

WATER & PUBLIC WORKS

Brian Berube – Alaska Native Tribal Health Consortium
James Temte – Alaska Pacific University
Kelly Donnelly – Yukon River Inter-Tribal Watershed Council

MY CHANGING CLIMATE TRACK

Erica Lujan – Alaska Native Tribal Health Consortium
Davin Holen – Alaska SeaGrant
Willow Hetrick – Chugach Regional Resource Commission
Meredith Witte – Georgetown Tribal Council

CONTAMINATION SUPPORT TRACK

Joy Britt – Alaska Native Tribal Health Consortium
Bailey Richards – Alaska Native Tribal Health Consortium
Emily Anderson – Yukon River Inter-Tribal Watershed Council
Bethany Nichols, Chickaloon Village Traditional Council
Lisa Griswold – Alaska Department of Environmental Conservation
Erin Gleason – Alaska Department of Environmental Conservation
Nicole Johnson – Qawalangin Tribe of Unalaska

TECHNICAL TRAININGS TRACK

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

SOLID & HAZARDOUS WASTE TRACK

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Rebecca Colvin – Alaska Department of Environmental Conservation
Lynn Zender – Zender Environmental Health and Research Group
Desirae Roehl – Alaska Native Tribal Health Consortium
Oxcenia O'Domin – Alaska Native Tribal Health Consortium
Simone Sebalo – Zender Environmental Health and Research Group

April Reed-McCoy – Zender Environmental Health and Research Group
Doug Huntman – Delta Backhaul
Nicole Johnson – Qawalangin Tribe of Unalaska
Patricia Salmon – Chalkyitsik Village Council
Martha Turner – Nulato Village
Michelle Snowball – Native Village of St. Michael
Reilly Kosinski – Zender Environmental Health and Research Group & Total Reclaim
Katherine Brower – Yukon River Inter-Tribal Watershed Council
Michael Deegan – Waste Management
Nadine Carroll – Birch Creek Tribe
DaWayne Constantine – Summit Consulting Services
Opik Ahkinga – Native Village of Diomedea
Tia Katcheak – Stebbins Community Association

AIR QUALITY & HEALTHY HOMES TRACK

Abigail Nelson – Alaska Native Tribal Health Consortium
Mary Mullan – Alaska Native Tribal Health Consortium
Kayla Krauss – Environmental Protection Agency
Barbara Trost – Alaska Department of Environmental Conservation
Ann Wyatt – Klawock Cooperative Association
Erin McTigue – Environmental Protection Agency

SUSTAINABILITY & RESILIENCE TRACK

Tonya James – Alaska Native Tribal Health Consortium
Jacqueline Qatalina Schaeffer – Alaska Native Tribal Health Consortium
Ann Gravier – Department of Housing and Urban Development
Gina McKindy – Tanana Chiefs Conference
Annie Weyiouanna – Native Village of Shishmaref
Sally Russell-Cox – Division of Community and Rural Affairs
James Benzschawel – Division of Homeland Security and Emergency Management

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