**Fall TAMS Steering Committee Meeting**

**Las Vegas**

**March 5-7, 2019**

**In attendance:**

Kent Bartholomew, Pat Childers, Vallen Cook, Farshid Farsi, Lori Howell, Carma Huseby, Mehrdad Khatibi, Michael King, Avi Lapp, Christopher Lee, Angelique Luedeker (ph), Taylor Macy, Mike Natchees, James Payne, Camille QuickBear, Melinda Ronca-Battista (ph), Darlene Santos, Ed Wilds, Jr.

**Tuesday, March 5, 2019**

**Welcome and Introductions –**

The meeting was called to order by Chairperson Camille QuickBear. Mike Natchees gave the invocation, and everyone was welcomed.

**Review and Approval of Agenda –**

The agenda was approved.

**Regional Discussion and Recommendations –**

**Carma Huseby, Leech Lake Band of Ojibwe – Region 5:**

* Concerns regarding wildfire issues and human health impacts
* Review better ways to monitor and to develop a plan for situations

**Vallen Cook, Grand Portage Band of Lake Superior Chippewa – Region 5:**

* R training was helpful; suggestion was made to offer more training
* Assisting in one-hour session at NTF
* Avi refers Allan as manager for working with tribes (Office of Regional Council, Attorney)

**Mike Natchees, Ute Tribe of the Uintah-Ouray Reservation – Region 8:**

* Received a few responses from tribes; mostly IAQ, oil and gas related questions
* Still dealing with nonattainment for ozone; reality set in
* Was in DC; there is concern with permitting and how it will affect oil and gas
* Delegations of programs offered by EPA
* Southern Ute and Navajo Nation have developed processes; work with those tribes for additional support; Chris to provide assistance
* Since nonattainment, National FIP came out to address minor sources but did not apply to nonattainment; EPA put out amendment; providing comments does not do enough; consultation with Region 8; move forward with issuing amendment
* Tribes need to stand up for themselves; sovereign nation
* PA resources available in grant to help support and facilitate for tribe-to-tribe training, etc.

**Camille QuickBear, Sisseton-Wahpeton Oyate’ – Region 8:**

* Working on Radon testing but temperature has not been 30 degrees in the last 2 months
* Working on mold remediation plan to help with HUD funding; assisting housing program; mold inspections; need remediation funding; hope to train staff to do own work
* No Region 8 meeting to date; will be set for April thru June; due to government shutdown, there was no meeting in January; No response received from Region or tribe

**Action**: Work with Region 8 to update their monitoring equipment inventory lists for accurate updated report; suggestion was made to reach out to Jason Walker and Randy Ashley for their assistance; needs to happen soon if we are to include as part of the NTAA 2019 STAR report.

**Lori Howell, Shoshone-Bannock Tribes – Region 10:**

* No report received from regions
* Discussed federal air rules at last meeting; all sources in Region 10 had to register by February 15
* Will be attending Region 10 Wildland Smoke Course; hybrid course includes webinars; completed note taking guides
* Tribes unable to attend due to budget cuts for travel, etc. per Camille
* Tribal Lands Environment Conference; Stan attended
* Submitted first round of funding for VW settlement
* Hoping to get new solid waste truck for land use department
* Submit request for new fire truck next year
* Department is updating rules and regulations
* Renew inspector credentials
* Start indoor air sampling; order equipment; list of things to do
* In need of moisture meter, particle counter, etc.

**Ex Officios Discussion and Recommendations –**

**Pat Childers/OAR:**

* Grants need to be in order
* NTAA going out competitively for 3yr; 335k per year; expect to receive few grant requests
* AIAQTP grant – we are currently in last 5 yr
* 103/105 stag funding; gap also stag; 103 project funding; 105 operate program; will do more education on these funding programs; provide webinar training
* Funded at the same level; slightly less money for Regions
* Follow funding guidelines
* Focus on priorities
* Promote TAS
* Monitoring and emissions inventory
* National Tribal Committee (NTC): meet on tribal issues; seldom discuss air issues; meet with administrators; NTAA invited; what issues effect air quality; need more discussion on air quality

**Avi Lapp/TAC:**

* Region 5 leader among organizing workgroup; always thinking of new ways to provide need of tribes; many are project officers; technical assistance for regional office; plan on in-person meeting with all TACs nationwide; TAMS SC to assist; first meeting will be some time this yr per Pat; early stages of planning; plan to meet every other year; focus on regional TACs, assist and improve consistency in Regions; Chris can provide information

**Ed Wilds, Jr./NCRFO:**

* 3 organizations: TAMS, training group center for planning training; emergency response group; radiological and radioactive radiation response
* Different procedures
* Set up to provide assistance to tribes
* Worked with TAMS and James on white paper to dispose old equipment
* Recent response to major Woolsey fires; Region 9 contacted us to be prepared for assistance with EBAMS; 20 days
* Budget not available yet; expect to receive same amount as last year
* Camille inquired about the next 40 HR HAZWOPER training; there is a need for people in her tribe to be trained; Mehrdad mentions that ITEP will plan to offer training, but unsure when
* There is a 40 HR HAZWOPER course in 3 weeks at the TAMS Center hosted by ITCA

**Action Item**: Mehrdad to confirm dates for HAZWOPER training and provide to SC members

**Dara Marks-Marino/NTAA:**

* Status of STAR report; annual information; provide information re: tribal air programs, successes, challenges and priorities
* Included new section on TAMS; profiles members; research with need assessment; VM award winners, etc.
* New SC members to provide short profile and include pictures
* Provide update on TREX network
* Star workgroup call; few changes to topic sections; add new section on training or courses
* Will send document out for review by end of month
* Request for SC feedback for suggestions to changes to the sections; will run by workgroup tomorrow; send out draft for review by 1st week of April; publish end of April
* Clarify section of TAMS SC members and bios for new members; needs assessment and VM; TREX is stand alone per Chris

**Action Item**: Review and update the TAMS contribution to the 2019 NTAA STAR; include updated profiles of SC members, 2019 VM Awardee, new TAMS Staff Mike King, etc.

**Andy Bessler/NTAA:**

* 2018 STAR Senator Tom Youdal, following hearing; shared information from STAR; staff reached out and meeting with him next week; prepare briefing paper
* Broader audience for 2019; impacting leaders
* Letter from EC and SC went out regarding Chrysler settlement

**Mehrdad Khatibi/ITEP:**

* Currently in 4th year agreement with AIAQTP; TAMS is one task; headed by Pat Ellsworth
* Other tasks under cooperative agreement include workshop, TAMS, Professional Assistance-Lydia
* Support for NTF and other conferences, etc.
* Peer to Peer technical assistance
* Task 4 and 5: Education and Outreach; Mansel
* Funding period July 1 – September 30
* 5th yr of grant coming up July 1
* Pat Ellsworth will report out on training schedule on Thursday
* Pending VW program; managed by trustee; ITEP has technical assistance role for access to funding
* Tribes interested in second round of funding; submit several forms
* Some processes have changed by courts and trustee; revised for tribes interested; will hear from trustee how much funding will be allocated before committing; deadline for tribes crucial to be considered for funding is March 18
* Trustee will communicate directly to tribe; ITEP can assist tribes one-on-one
* Under 15mill; depends on number of tribes that submitted
* Develop allocation formula
* Fact sheets available; check website
* 25 tribes applied in first round
* Total under 55 million
* Tribal advisory council; aspect of trust agreement; ITEP responsible for forming council
* Primarily giving feedback on work; review information on website

**OAQPS Report/James Payne:**

**Direct Implementation WG/Lean-**

EPA retains direct implementation authority to implement a federal environmental regulatory program in Indian country until a federally-recognized tribe obtains authorization.  EPA committed to OMB to complete direct implementation assessments for 17 media programs by the end of calendar year 2019 to demonstrate whether EPA is fulfilling its obligations to implement applicable environmental statutes and regulations in Indian country. To further demonstrate commitment to this effort, OITA included the completion of 7 assessments as a FY 2018 Bowling Chart Measure. To date, EPA has completed an assessment of its direct implementation responsibilities in Indian country for only one program (RCRA TSDFs), and is in the process of assessing two other programs (CAA Title V and CWA NPDES), falling short of OITA’s FY 2018 measure of 7 completed assessments.

The EPA direct implementation assessment process includes the seventeen previously identified programs EPA implements in Indian country, beginning with a subset of programs (suggestions listed below). This project will review and build on lessons learned from the one direct implementation assessment completed, the two direct implementation assessments in progress and the OEI Direct Implementation Data Assessment. Assessments completed as part of this process will include all regions.

***Goals:***

1. Building from previous lessons learned, develop and standardize an assessment process that will inform our understanding of current direct implementation efforts and improve our long-term oversight of DI in Indian county.
2. The resulting assessment process will produce completed assessments in no more than 3 months and can be replicated or customized by other EPA programs.
3. Use the process developed in Goal 1 to initiate one or more program assessments identified in the scope by March 1, 2019. This is in addition to EPA completing the NPDES and Title V assessments currently underway.
4. Prioritize remaining program assessments to be completed in 2019 and 2020, with dates for completion. All assessments are to be completed by September 2020.

**Wood Smoke WG-**

Collaborate with Tribal, state, EPA and other involved entities with a purpose of researching, developing, and implementing a national residential woodstove program to address both the indoor and ambient air quality impacts from residential wood/coal burning stoves, as well as to address other wood smoke related issues on Tribal lands.

Developing a 3 part webinar series that focuses on basics of heating, IAQ, energy efficiency, health. Part 2 on wood stoves change out programs, devices, chimneys, fuels. Part 3 on tribal success stories and challenges.

**CTPG work with Small Business-**

* Minimize unnecessary burden of OAQPS rules on small businesses.
* Provide opportunities for small businesses to have effective, early engagement in the rulemaking process.
* Assist small business entities to better comply with OAQPS rules by developing outreach materials, providing rule interpretation, and delivering training to affected entities.
* Explain to small businesses the health impacts of air toxics and other priority pollutants at neighborhood level.
* Implementation, Technical Support, Small Business Liaison
* **Roles:** OID facilitator/liaison, SPPD technical experts (including providing facility locations if possible), HEID analysts (to help identify small entities and the potential for small entity impacts), and SBA (which small businesses and associations need to participate.)

**Taconite-**

To meet the requirements of sections 112(f) and 112(d)(6) of the Clean Air Act (CAA), the EPA must assess residual risk and advancements in hazardous air pollutant emissions control technologies from source categories regulated by Maximum Achievable Control Technology (MACT) standards within specified time frames after promulgation of the MACTs. Further, we must promulgate additional standards, as necessary, to address residual risks and update the MACTs to include improvements in practices, processes and emissions control technologies. As the CAA requires a residual risk review within eight years of the promulgation of the standards and a review of the developments in practices, processes, and control technologies (i.e., technology review) every eight years after promulgation of the standards, we plan to conduct the residual risk review and initial technology review (hereinafter referred to as the “risk and technology review” or “RTR”) concurrently. That is, the efforts for developing a residual risk rule pursuant to CAA section 112(f) and for conducting a technology review rule pursuant to CAA section 112(d)(6) will be concurrent.

To perform the residual risk and technology review required by CAA sections 112(f) and 112(d)(6) for the Taconite Iron Ore Processing source category, we will gather data and perform analyses to determine whether additional standards or MACT requirements are necessary and develop any needed standards. The residual risk review will address lifetime cancer risks and noncancer hazards from both chronic and acute exposures to HAP emitted by facilities in the source category, as well as environmental risks. Facility-wide risks and the demographics of people living in proximity to the facilities will also be considered.

At the same time that we conduct the reviews that are required under CAA sections 112(f) and 112(d)(6), we will also review the standards and rule provisions to determine whether other changes may be needed. In light of recent court rulings, we will specifically be reviewing the sufficiency of the MACT requirements and the standards governing emissions during periods of startup, shutdown, and malfunction. In addition, we will be reviewing the rule language in conjunction with comments we have received from EPA regional offices, state and local permitting agencies, and industry regarding areas where rule editorial corrections, clarification, or other changes are needed based on rule implementation experience.

**BIA/GIS-**

Potential loss of services to tribes through BOGS. Followed up with email to TAMS SC members

**Intern through ITEP-**

Applied for intern, waiting to hear on application

**ARA-**

Air Resource Advisor program. Emailed the TAMS SC when the application window was opened

**CAAAC-**

Nomination window for the 2019 Clean Air Act Advisory Committee is now open.

**Laura McKelvey-**

* Currently, there are acting Division Directors; lack of continuity in Division
* Start May 1; Anna Wood; full time Division Director for OAQPS
* Rebuild continuity with program and on-going management support
* Invite to next in-person meeting and possibly NTF

**Tribal Air Monitoring Guidance Document/James Payne –**

* Finalized document
* SC members to take portion of document for review and comment by March 19; communicate input via email; document will be available on TAMS dropbox
* Chris to send out link and share folder to edit/make changes; track comments; comment on document with highlight
* Chris will be point of contact person and will work with James on final document
* Over 15 tribal contributions; asking TAMS to host
* Who can present/discuss at NTF EcoCafe
* Idea to promote is to have a card/magnet with webpage and QR code

**OAP and CASTNET/Taylor Macy-**

* Presentation – Attached
* Work with 6 other tribal partners
* Established under Title 9
* What is TAMS SC role; suggest to form a workgroup for monthly meeting; share updated information

**Importance of Tribal Air Monitoring –**

Catawba Case Study- Scott Hansen:

* Presentation – Attached

So. Cal Study- Darold Wallick

* Presentation – Attached

**Regional Equipment Inventory –**

TAMS Co Directors:

* Report based on data received two years ago
* Another round of data gathering was recently done; need Region 8 information
* SC members to gather data and prepare to include on STAR report; share with tribes or at RTOC
* What to do with regional equipment inventory?
* SC member to step up and be main contact and work on new set of data for next STAR report and clean up existing; do you want to continue or keep as is; reach out to TACs for updated data
* Is there value in continuing this data? Yes, especially for funding new equipment; will benefit tribes
* Pat and Avi can assist with region data; Angelique can assist with creating form per James; ask Angelique tomorrow on call; ITEP to provide support via internship; Darold can offer assistance
* Camille will head; send emails and files from Frank, spreadsheets, etc. Chris to share with all
* Darold suggested using google box/google information to share information; available on server
* Discuss further at next call

**QAPP LEAN Implementation Plan Workgroup/James Payne –**

What was shared on the call was direction from Henry Darwin to implement EPA’s visual management system within each EPA regional office to track the progress of each QAPP through the review/approval process, and gather real-time data to better understand existing processes, explore potential delays, and identify opportunities for improvement. The effort to put this visual management approach in place at the regions satisfies multiple outcomes:

* It provides information that the senior leadership at EPA wants regarding the QAPP review/approval process.
* It also creates consistent nationwide data on the QAPP review/approval process that can then be used by the QAPP Workgroup to identify where and how significant and meaningful improvements might be made to the process.

On the December 19th phone call, the following people volunteered to form a small group to develop a draft visual management approach for tracking the review/approval of QAPPs and establish a process for data collection. This group will identify the high-level work flow, including the timing of the effort, tools and resources, key milestones, etc. Volunteers for this effort included: John Smaldone (R1) (tentative), Nora Conlon (R1), Linda Mauel (R2) (tentative), Louis Blume (R5), Sala Senkayi (R6), Linda Himmelbauer (R8), Audrey Johnson (R9), Jenia McBrian (OAQPS), Marion Kelly (OW), Joe Beaman (OW) (suggested by others). This group will involve just EPA participants initially and will then be broadened to include state/tribal participants, whose participation is essential.

* Discussion of comment from Richard Freitas
* Further discussion at tribal caucus

**4:00 – Tribal Caucus –**

**Wednesday, March 6, 2019**

**Sensor Technology –**

Leech Lake Band of Ojibwe Presentation – Attached

**TAMS Center Role**:

* Provide support to tribes with highest quality monitoring equipment
* Direct tribes to seek other support from other tribes
* TAMS recently purchased evm sensors, airquals, purpleairs
* Provide more robust support for QAPPS and users guides
* SC members to decide which direction to move and how to support tribes request for sensors
* Good screening tool; not proven to be stand-alone monitors; good for tribes with no monitors
* EPA promote, inexpensive
* Determine tribes in need of new FRM equipment and tribes that do not have monitors
* Plan for Amanda to present at next call or meeting
* Develop list of common sensor devices that provides detailed information for tribes; add to website; use listserv
* Coordinate efforts to avoid duplicating work; who will do research and be main contact for updated latest sensor information
* Air sensors website has complete information; per Avi, Air Sensors Toolbox information is available on EPA website
* Good first step for tribes; sensors will provide some type of direction; move to FRM device if needed

**Action Item**: Link EPA Sensor Toolbox website where appropriate; determine if TAMS sensor equipment should be added to the TAMS equipment loan website; find the link presentations from previous SC members (Craig and April) on their sensor studies

**IAQ: Meth Houses on Tribal Land/Camille QuickBear –**

* Research meth; mostly in low income homes; one meth lab; several smoke meth in homes
* Routine inspection with inspector; use strips and drug testing machine for THC, heroine and meth
* Machine 30k, swaps walls, seal in bag and label
* Meth positive in older woman’s home; needed to move her and clean home; need to be culturally sensitive for elders
* EPA has guidelines for clean up; but no one is EPA certified
* Retest home after cleanup
* Remediation cost 30k; money loss; looking for remediation funding
* Keep records of homes tested positive
* Searched for someone who follows guidelines; provide training to test and clean-up meth; 3-day training; received certification; best practices of EPA basic guidelines
* Will EPA eventually certify
* How can tribes clean up and receive funding for remediation
* Big problem in Indian country
* Check EPA website: Voluntary Guidelines for Meth Lab Cleanup
* Avi suggests to check Hud Section 504 – grant for elder home owners for health remediation; only good for owners; not applicable to low income units rented by tribal members
* Guest speaker at NTF to cover this issue per Pat C
* Housing does not enforce safety guidelines during inspection; should wear suit, gloves, booties for protection
* HUD asks how to protect; should EPA enforce guidelines at some point or who should?
* Camille and Mike should coordinate; Farshid did research and was referred to CBC or HIS; should have guidelines to assist; come up with educational outreach; look for partnership; find it, address it and find ways to fund it
* ITEP to develop webinar or classroom style working with HIS, HUD; must come from tribal level per Mike N; can get political; tribal gang ordinance
* Check Tribal Waste Journal – Meth Threatening the Health and Environment of Tribal Communities on website
* Standardized guidelines should come from government level EPA

**Action Item**:

* Camille will send email to Mehrdad regarding concern for lack of EPA certification standards for meth lab clean-ups
* Mehrdad will reach out to TWAR Steering Committee and EPA OLEM with Camille’s request for information and guidance on meth issues for indoor air
* Mehrdad to find out if ITEP is planning another 40 HR HAZWOPER training per request from Camille

**TAMS Needs Assessment/TAMS Co-Directors –**

* Discussion on final report
* No overall results
* SC to decide how to disseminate information
* Recommendation to add Needs Assessment to jump drive given at NTF
* Should update every 3 years; get information out by next year
* Review and refine questions
* Add to new survey additional supplemental questions re: VW
* Start to establish subcommittee and review assessment and provide input
* Identify services that tribes need, etc.
* Work on process to get more input
* SC members agreed to continue
* Can link survey to monitoring to get more response
* Some tribes not aware of services; need to promote and encourage people to complete survey
* Develop workgroup for next needs assessment; volunteers: Pat C, Mike N, Carma, Chris and Farshid
* SC members to discuss strategy to do outreach; get feedback, etc.
* Final report will be sent to Andy to add to jump drive
* Post approved report on TAMS website
* Camille asked why ITEP doesn’t offer certification for courses; question to be addressed to Pat E; courses are more educational; there is more liability for certifications

**National Renewable Energy Laboratory/James Payne –**

* Provided demo of NREL
* More details to be presented at NTF
* Consider developing a similar GIS tool for tribal air programs nationwide
* Look at WRAP GIS map as an example
* Evaluate work done by OAQPS as well

**Tribal Support Needs/Mike Natchees–**

* Contact region with no rep in Reg 1, 2, 3, 5, 9
* Provide mailing list of environmental directors to contact tribes directly for issues or needs
* Email out to 67 contacts; included link to TAMS; received only 9 responses
* Concerns with oil and gas around area; need monitor information
* Cherokee replied had information to share
* Cheyenne Arapaho; how to start monitoring program; Mike sent info and workplan to review
* Pueblo of San Felipe; interest in monitoring for oil and gas issues
* Seminole Nation Oklahoma; no air program
* Pueblo of Zuni; need more funding for IAQ monitoring equipment; specific and dollar amount pending; refer to TAMS for equipment loan
* Ponca tribe; no air monitoring program; what is air program and what’s around them
* Do more outreach
* Develop dummies guide to tribal air program; can use INTRO course slides per James
* Consider taking the ITEP Intro to Air Quality course and put into a website

**TAMS Center Presentation-**

**QREST Presentation/Melinda Ronca Battista –**

* Open-source, cloud software solution can provide tools to address the challenges of tribal air quality data:
* Access
* Review
* Validation
* Reporting, and
* Submittal
* For Multiple tribal agencies throughout the US
* Accessible from any internet browser
* Run on remote servers (aka computer processing and storage use rented from Microsoft or Amazon, or others
* With open source software, this cloud system:
* Will have no software licensing fees
* Can be modified and updated by any qualified contractor
* Management costs can be minimal (e.g., ITEP manage; updating)
* Has low cloud storage costs
* Has code free to anyone
* Overarching goals are to:
* Provide small tribal agencies with the ability to generate legally-defensible data and build tribal capacity
* Support tribes with data analysis and reporting by pushing out industry and federal changes to all participating tribes and once, and
* Enable more valid data availability to other agencies and EPA
* QREST Requirements:
* Use up-to-date codes, guidance, and regulations from EPA
* More quickly conduct the 1st phase of data review
* Analyze, interpret and present data
* Fulfill the independent quality assurance function (two levels of separation required between data gatherer and final data validation) required for regulatory and legally-defensible data
* Incorporate supporting data into a stored validation package
* Provide a public website with maps and (tribal-agency-approved) data, and AQI values
* Push data to the Exchange Network (AQS and the EPA’s AirNow)
* Operating and maintaining software; fixed costs, cloud data management approx. 2k per tribe; staff time part of costs; 100k start up
* Can we include in AIAQTP grant?
* SC members to consider and see if useful for tribal programs; if so, move forward with budget request and modification to pay for contractor to start
* Provide list of tribes already using TREX; 15 tribes are currently active
* Open source; less expensive; can replace TREX
* Provides training and documentation that TREX does not offer
* Use unused AIAQTP funds
* What is timeline if approved tomorrow? Will take 9 months per Melinda to develop; depends on TREX service per Mehrdad; transition time
* Most tribes cannot afford TREX; would benefit all tribes if no cost to tribe; can be added to grant
* Ability to change codes and push out to tribes immediately
* Provides more features; more streamlined; no troubleshoot with IT, etc.
* SC members agreed to move forward with development of QREST

**Action Item**: SC members to review and discuss further on the next call

**Melinda Ronca-Battista-**

* Training on R Monday before NTF; open source; handle large amount of data easier
* Planning on R course in Pechanga week of August 4
* Transitioning out of supporting tribes with QAPP development; working with Lakes Environment
* Provide data analysis support to various tribes
* Continue Tribal data toolbox w/ Angelique

**Angelique Luedeker-**

* EI work; 2017 NEI submission period just ended; extended to February 1; for point sources; non-point still open; can still submit; time consuming
* Continue assistance to tribes on EI and toolbox; EI fundamentals and Advance EI
* Self-paced tutorials on scholar MLS; submit homework
* Encourage more tribes to use go to meeting as option for assisting them vs. by phone; provide go-to-meeting demo and invite tribes to attend to get broader audience
* Submitted EI for total of 8 tribes
* Get on TAC call and share information per Avi
* Also schedule time on agenda on next NTAA/EPA call to do quick demo or discuss EI support work

**Michael King-**

* Assist tribes with technical assistance; siting criteria and data management and validation
* Assist air pollution technology course next month and reviewing fundamentals course presentation
* PA Assistance: Ft. Mc Dowell and Ute Tribe pending
* Develop more online tools; basic maintenance with monitors

**Kent Bartholomew-**

* Teledyne T640 new pm 2.5 FEM still on order
* Added one new E-BAM; will have a total of 3 available
* PQ100 available for loan for just audits; set up next to 1020s, etc.
* Ordered IAQ infrared camera; particle counter and moisture meters, CO, CO2 etc.
* Recently purchase additional radon monitoring systems, eperm systems; easy quick to use; 4 ready to go; real time; cost of kit is 2k
* Melinda is working on pilot project; she developed SOP and draft QAPP; will test out eperms; Southern California Tribe/Rancheria; will provide report when completed
* Popular equipment: E-BAM and IAQ equipment
* Putting together pelican case with equipment ready for wildfires
* What are sources of pollution in Indian Country? Re: volatility; session at NTF on mobile source rules per Pat C
* SC members to decide on new equipment to add to inventory; ambient and IAQ; review TAMS equipment loan program on website; need to revise and update list

**Action Item**:

* Continue discussion at next call. Approx. 75k to use or lose
* SC members to decide on new equipment to add to inventory; ambient and IAQ; review TAMS equipment loan equipment on website; need to revise and update list
* What is timeframe to purchase; prior to Oct 1st; by June, earlier
* SC members reach out to tribes in regions
* Provide short list with costs can be helpful; Kent and Mike to work on list
* Question from Pat C: Should TAMS Center invest in equipment for gas station vapor recovery and provide training to tribes?

**TREX Update/Chris Lee -**

* Received initial proposal in mid September
* Contract was developed; increase requested; ITS to review
* Chris completed additional forms that were required; contract in process

**Selection –**

**Incoming TAMS SC Member:**

* Three nominations were received to fill the current vacant position of outgoing member Taylor Smoke
* Three nominees are: Darold Wallick, Pala Tribe; Delbert Altaha, White Mountain Apache; and Glen Tortalita, Pueblo of Zia.
* All nominees have supervisor approval to serve, if elected
* After discussion regarding regional representation, the TAMS SC members elected Darold Wallick; he will be serving out the remainder of a term that will end on September 2020

**VM Award Recipient:**

* Three nominations were received for the Virgil Masayesva Award
* Three nominations are: David Lewis, Yavapai-Apache Nation and Gillian Mittelstaedt, Tribal Healthy Homes Network for Tribal Program Development; and Emma Ruppell, Big Pine Paiute Tribe for Technical Excellence and Tribal Program Development
* The TAMS SC members voted and selected Gillian Mittelstaedt for Tribal Program Development

**Thursday, March 7, 2019**

**NTF Planning and Participation –**

**Ambient Air Quality Technical Tract**

- Update on the NTF Air Quality Technical Breakout Planning. The draft agenda was shared so show scheduling. For the first session on Tuesday, the WRAP will be providing presentations on the tools and technical projects from the Tribal Data Workgroup. Wednesday, there are two sessions of breakouts scheduled on a comparison on between the API T640 vs. the BAM1020 and the BAM1022. Amanda Kaufman will provide an update on the Sensors. There is a possibility of a presentation on CASTNET. Taylor will inquire with her supervisor whether she could attend. For the second session on Wednesday, the is a presentation on the NREL tool from Sherry Style and another presentation from James Payne on Air Toxics. For the session on Thursday, Melinda will present on the QREST. Farshid mentioned that Andrea Polidori from the South Coast Air Quality Management District will be able to present. May have room for one or two more tribal case studies. Possible other presentations are the Catawba Tribal Case Study from Scott Hansen. Emissions Inventories could also be another topic.

**TAMS SC Participation on Other Sessions**

It was asked if any of the other TAMS Steering committee members were on the other planning subcommittees. Three are on NTF planning subcommittees. Discussion occurred about the opening session and about how the opening session was long and not good last year. Comments were made about the previous show where presenters were invited to sit on couches to have a discussion was good and held everyone’s attention. More information on all of the available resources and services offered ITEP, TAMS and other organizations should be available. Since there is always many new attendees, perhaps there should be a specific session for new professionals. It was suggested that it would be good for the TAMS SC members to introduce themselves to get awareness out of who the TAMS SC is and what the TAMS Center is. Perhaps, the current TAMS SC members could make an attempt to introduce themselves to someone from each of the 10 regions. Since the opening plenary session planning is already in progress, perhaps there could be a panel for the first 30 minutes of the networking timeslot for presentations from all the different offices and organizations to provide information on their resources and services.

**AIAQTP/Pat Ellsworth –**

**Input for FY20 Trainings**

* Pat Ellsworth presented information from two documents that were to be shared with the TAMS SC member for this meeting.
* The courses that are currently being offered this current FY19 was presented first.
* Pat then shared information on the courses to be offered for FY20 (July 2019-June 2020)
* Level 1 Classroom courses include IAQ in Tribal communities in New Mexico (possibly in September), Intro to Tribal AQ was offered in June and September of 2018, so offered twice this year (usually twice a year) Feb for computations. February for Computations. Technologies in March. January through March is a core sequence.
* Air Pollution and ecosystems (level 2) is scheduled for beginning of FY20, July 20-23 in Flagstaff.
* OAQPS course (TAS) September 10, 11, 12 but no location yet.
* The Management Course - Put in midwest in October. Management course is very portable.
* IAQ Diagnostic tools offered in February of this year but got postponed due to the govt shutdown.
* Fundamentals of Air Monitoring offered this April.
* R Training (Level 3) is August 6,7,8 in Temecula, CA.
* Met monitoring is December at tams.
* Modeling which can follow met monitoring is scheduled for TAMS.
* GIS for AQ not scheduled for this year.
* Air quality in Alaska which is an introduction to air quality- half ambient and half in IAQ.
* Pat shared a history of courses offered for 4 specific courses (Ecosystems, Fundamentals of Air Monitoring, GIS for AQ, modeling course) to help with understanding Course history provided to help with understanding that currently planned courses for FY20 is more than courses listed in the budget.
* Since we have more planned than budgeted, we could leave Fundamentals of air monitoring out for next year.
* A question was asked about how a new course gets determined that was not offered before?
* A new course such as the R Training is offered based on what we hear from the tribes.
* The ITEP staff hear from the tribes about the need for different types of trainings.
* Is offering a new course worth the weight of dropping a course like the fundamentals of air monitoring?
* Hear from tribes for offering more Level 3 courses.
* First offering of R Training was a regional mini-course which did not require additional resources for travel support and lodging.
* If the R Training for California is offered as a mini-course, then the Fundamentals of Air Monitoring can be added back in to the offering of FY20.
* A comment was made about the GIS for Air Quality Course and the current possibility that ESRI may not be able to offer the software to the tribes through the BIA as in the past.
* An inquiry about the air pollution modeling course was made and whether the meteorological monitoring was still a prerequisite for the modeling course. Some tribes inquire about the modeling course but not a lot.
* The ITEP modeling course does not teach the tribal professionals to do the modeling but instead provides information about what goes into the models and the use of modeling for permitting purposes.
* What is the distinction between the courses offered under the OAQPS funding and the courses offered under the AIAQTP cooperative agreement.
* The OAQPS courses tend to be on subjects such as the CAA, NSR, TAS.
* Air Quality Planning for Wildland Smoke is also an OAQPS course.
* Is there a need for the TAMS SC to suggest courses also for the OAQPS funding? Yes, ITEP is open to suggestion for courses or course locations form the TAMS SC.
* Christal Black introduced herself. Christal will be replacing Pat eventually and has been on board for two months.

**Action Item**: James to check on GIS BIA software info and report back

**Meeting Closeout –**

**Tribal Caucus Report**

* The Tribal TAMS SC members discussed the response to Richard Freitas from Region 9 regarding the email to the QAPP LEAN process working group. At this time, the TAMS SC felt that they did not need to get involved in this issue
* The tribal TAMS SC members selected Vallen as the TAMS Vice Chair.
* **Reviewed Action Items**:
* Establishing a CASTNET tribal working group, per Pat C
* Monitoring equipment report will be discussed further and what to do to move forward
* TAMS Needs Assessment subcommittee with be set-up
* Inform Delbert and Glenn know that they do not need to resubmit their nominations for the TAMS SC
* Sensor information on the TAMS website and links to the EPA sensor toolkit webpage and the South Coast Air Quality Management District Sensor Information
* Contact Region 8 to inquire about air monitoring information (Camille)
* Put out another call for nominations for the vacant position on the TAMS SC
* TAMS SC will strive to find Alaska representatives to add to the TAMS SC nominees
* Mehrdad will work on Meth on Tribal lands with Camille QuickBear
* Mehrdad to check with ITEP TWRAP to see if another HAZWOPER will be offered.
* Get Mike King and Angelique Luedeker on at TAC call to introduce themselves, per Pat C

**Final Business –**

* Fall Meeting: October 8-10; Darlene to send calendar invite

Closing prayer was rendered.

Submitted by:

Darlene Santos