

3rd Annual Water and Sanitation Innovations for the Arctic
Tuesday, February 5th, 2013

A Workshop Cosponsored by:
U.S. Arctic Research Commission, ANTHC & the Centers for Disease Control and Prevention

Tuesday, February 5th – ANTHC (COB Conference Room 2, 4000 Ambassador Drive, Anchorage)

Associated session of interest to be held February 7th from 3:15-4:30 PM in Tubughenq 5, Dena'ina Center: Alaska Forum on the Environment "Town Hall Meeting on Water and Sanitation in Rural Alaska." Link to AFE Schedule can be found at: <http://akforum.com/agenda.htm>

Workshop objectives:

- Present an overview of progress of the Alaska Rural Water and Sanitation Working Group
- Discuss strategies for extending the design life of existing systems via operations and maintenance program upgrades and innovative approaches
- Identify potential initiatives related to O&M that the Working Group might wish to pursue in the future
- Update on water and sanitation health outcome research progress

8:00 A.M. **Room is open for participants, coffee will be served**

8:30 A.M. **Meeting commences**

Session 1: Recap of recent progress and comparative approaches to enhancing existing O&M

8:30- 10:00 A.M. **Recap of progress to date**

8:30-8:45 A.M. Welcome, Announcements and Introductions

8:45-9:15 A.M. Old is new again. The repetitive nature of water and sanitation investigations and an overview of the Water and Sanitation Retrospective (*C. Rosa, USARC*)

9:15-9:45 A.M. Summary of findings from recently performed energy audits (*Dan Reitz*)

9:45-10:00 A.M. Update on State of Alaska R&D Request for Teams (*B. Griffith, ADEC*)

10:00-10:15 A.M. ***Break***

10:15-noon **Comparative focus: Canadian and US approaches to enhancing existing O&M**

10:15-10:45 A.M. Presentation: Overview of Alaskan technical assistance programs (*M. Black/C. Bohan*)

10:45- 11:15 A.M. Presentation: Canadian O&M approaches and the issue of sustainability (*Ken Johnson, Cryofront*)

11:15- 12:00 A.M. Guided discussion

noon-1:00 P.M.

Lunch on site

Session 2: Maximizing design life in existing systems

1:00 – 2:00 P.M.

Performance based incentives

1:00-1:15 P.M. A step toward improved O&M: Linking Best Practices with associated benefits (*B. Griffith, ADEC*)

1:15-1:30 P.M. Local Utilities Matching Program (LUMP) Presentation (*M. Black, ANTHC*)

1:30-1:45 P.M. Approaches to O&M subsidies: guided discussion (*G. Magee, VSW/ADEC*)

1:45-2:00 P.M. Questions/guided discussion

2:00-3:00 P.M.: Understanding the problem: how technical assistance fits into O&M (*TBD*)

- What does training focus on now and what are the gaps? (*P. Costello, ANTHC/R. White, YKHC*)
- Strategies for reducing operator turnover (*K. Smith, ADEC*)
- Preventative maintenance programs (*C. Bohan, ADEC*)
- Are regulations a part of the problem? Can we change them? (*C. Christian, ADEC*)

3:00-3:15 P.M.:

Break

Session 3: Water and sanitation health outcome research progress

3:15-4:45 P.M.:

Health Focus

3:30-4:00 P.M. Canadian Presentation (state of water/san health research in Northern Canada) (*Dr. James Irvine, AHA, KYHR & MCRHR*)

4:00-4:15 P.M. Health metrics/review of results from recent meeting, new research and progress connecting water, behavior and health (*T. Hennessy, CDC*)

4:15-4:30 P.M. Healthy People 2020 initiative and efforts to include water service measures (*T. Hennessy, CDC*)

4:30-4:45 P.M. New projects (YKHC water service question, health economics, boils intervention, BRFSS survey questions, ANTHC Water Resource Center)

4:45-5:00 P.M. Wrap up/Closing remarks

5:00 P.M.

Adjourn

Packet Contents:

- (Agenda)
- Participant List
- Water and Sanitation “One-Pager” produced by the Steering Committee, July 2011

- Rural Alaska Water and Sewer Needs Versus Funding (2012, ADEC publication)
- Local Utilities Matching Program (LUMP) Demonstration Project (electronic version):
<http://www.iser.uaa.alaska.edu/Publications/FinancingWS/Ch8.pdf>
- 2011 RMW Annual Report (electronic version):
<http://dec.alaska.gov/water/rmw/pdfs/FY12%20RMW%20Annual%20Report.pdf>
- Irvine publication: Community-associated methicillin-resistant *Staphylococcus aureus* in Indigenous communities in Canada (Paediatr Child Health 2012;17(7):385-6):
<http://www.cps.ca/documents/position/community-associated-MRSA-in-Indigenous-communities>

(Please note: All workshop presentations will be made available to participants after the meeting)