

## **Radiochemistry Expert Committee (REC) Meeting Summary**

**May 28, 2014**

### **1. Roll Call and Minutes:**

Bob Shannon, Chair, called the meeting to order at 1:05pm EST on May 28, 2014. Attendance is recorded in Attachment A – there were 9 members present. Associate members: Ariana Mankerian, Ronald Houck, Terry Romanko, and Joe Pardue.

The May 7, 2014 minutes were voted on by email. The motion to approve the minutes was made by Dave and the motion was seconded by Nile. There were 6 votes For, 1 Abstention and 0 Against. The minutes have been approved.

The May 21, 2014 minutes were distributed for review by email. The meeting attendance was updated. A motion was made by Vas and seconded by Marty to approve the minutes. The minutes were approved unanimously.

Associate members need to let Bob and Ilona know they own a copy of ISO 17025 so they can be included in distributions of the draft working standard updates.

### **2. WDS Review**

Bob distributed the Final DRAFT of the WDS to the committee yesterday, May 27, 2014.

There were a few editorial comments on the standard sent to Bob.

#### **Larry:**

Lines 113-114: Add “as applicable”. Change suggested will be made.

Line 117: Fix font change. Change will be made.

Line 285: Fix font change. Change will be made.

Line 618: Change text to: “... counting an empty detector ...”. Change will be made.

#### **Carolyn:**

Line 1052: The deletion of “less traceable” was agreed to by everyone. After further discussion, it was decided additional language was needed to emphasize that it is only appropriate when there is no alternative.

New language:

If there is no known provider of a particular standard (e.g., non-routine radionuclide or non-standard matrix) that is traceable to the International System of Units (SI), the laboratory may have no alternative but to use a ~~less traceable~~ standard with less rigorously established traceability.

**Bob:**

Section 1.5.4. a):

This was the language that was missing in this section as discussed at the last meeting. The underlined text is the part that needs to be inserted.

Although the reported uncertainty should generally be an estimate of the total uncertainty of the measurement, for purposes of compliance with the Safe Drinking Water Act, or to comply with specific requirements established by method, regulation, or contract, or as established in the laboratory's quality management plan (if there are no established mandatory criteria), laboratories may report the counting uncertainty as specified in the appropriate method, regulation or contract, and as documented in the laboratory SOP.

**Voting:**

A motion was made by Larry to approve the standard as a WDS for public review with the changes noted above. The motion was seconded by Marty. Vote:

Bob - For  
Vas - For  
Marty - For  
Dave - For  
Keith - For  
Todd - For  
Nile - For  
Larry - For  
Richard – For

Missing two members: Carolyn and Tom were not present.

The motion passed.

Ilona will update the document with the items above and send it to Janice for any final format clean-up for posting. It will be posted on Friday, May 30, 2014.

### 3. New Business

- Todd will be retiring. He will be staying on part-time through September.

### 4. Action Items

A summary of action items can be found in Attachment B.

### 5. Next Meeting and Close

The next meeting will be June 25, 2014 at 1pm.

A summary of action items and backburner/reminder items can be found in Attachment B and C.

The meeting was adjourned 1:37 pm EST. Motion: Nile Second: Vas Unanimously approved.

**Attachment A**  
**Participants**  
**Radiochemistry Expert Committee**

| Members                                                       | Affiliation                                                                          |                      | Contact Information |                                                                                              |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------|---------------------|----------------------------------------------------------------------------------------------|
|                                                               |                                                                                      |                      | Phone               | Email                                                                                        |
| Bob Shannon<br>(Chair)<br><b>Present</b>                      | QRS, LLC<br>Grand Marais, MN                                                         | Other                | 218-387-1100        | <a href="mailto:BobShannon@boreal.org">BobShannon@boreal.org</a>                             |
| Tom Semkow<br>(Vice Chair)<br><b>Absent</b>                   | Wadsworth Center, NY State<br>DOH<br>Albany, NY                                      | AB                   | 518-474-6071        | <a href="mailto:tms15@health.state.ny.us">tms15@health.state.ny.us</a>                       |
| Sreenivas (Vas)<br>Komanduri<br><br><b>Present</b>            | State of NJ Department of<br>Environmental Protection<br><br>Trenton, NJ             | AB                   | 609-984-0855        | <a href="mailto:Sreenivas.Komanduri@dep.state.nj.us">Sreenivas.Komanduri@dep.state.nj.us</a> |
| Marty Johnson<br><br><b>Present</b>                           | US Army Aviation and Missile<br>Command Nuclear Counting<br><br>Redstone Arsenal, AL | Lab                  | 865-712-0275        | <a href="mailto:Mjohnson@tSC-tn.com">Mjohnson@tSC-tn.com</a>                                 |
| Dave Fauth<br><br><b>Present</b>                              | Consultant<br><br>Aiken, SC                                                          | Other                | 803-649-5268        | <a href="mailto:dj1fauth@bellsouth.net">dj1fauth@bellsouth.net</a>                           |
| Carolyn Wong<br><br><b>Absent</b>                             | Lawrence Livermore National<br>Laboratory<br><br>Livermore, CA                       | Lab                  | 925-422-0398        | <a href="mailto:wong65@llnl.gov">wong65@llnl.gov</a>                                         |
| Keith McCroan<br><br><b>Present</b>                           | US EPA ORIA NAREL,<br><br>Montgomery AL                                              | Lab                  | 334-270-3418        | <a href="mailto:mccroan.keith@epa.gov">mccroan.keith@epa.gov</a>                             |
| Todd Hardt<br><br><b>Present</b>                              | Pro2Serve, Inc.<br><br>Oak Ridge, TN                                                 | Other                | 865-241-6780        | <a href="mailto:HardtTL@oro.doe.gov">HardtTL@oro.doe.gov</a>                                 |
| Nile Luedtke<br><br><b>Present</b>                            | Dade-Moeller and Associates<br><br>Oak Ridge, TN                                     | Other                | 865-481-6050        | <a href="mailto:nile.luedtke@moellerinc.com">nile.luedtke@moellerinc.com</a>                 |
| Larry Penfold<br><br><b>Present</b>                           | Test America Laboratories,<br>Inc;<br>Arvada, CO                                     | Lab                  | 303-736-0119        | <a href="mailto:larry.penfold@testamericainc.com">larry.penfold@testamericainc.com</a>       |
| Richard Sheibley<br><br><b>Present</b>                        | Sheibley Consulting, LLC                                                             | Other<br>(Former AB) | 651-485-1875        | <a href="mailto:RHSHEIB111@yahoo.com">RHSHEIB111@yahoo.com</a>                               |
| Ilona Taunton<br>(Program<br>Administrator)<br><b>Present</b> | The NELAC Institute                                                                  | n/a                  | 828-712-9242        | <a href="mailto:Ilona.taunton@nelac-institute.org">Ilona.taunton@nelac-institute.org</a>     |

## Attachment B

### Action Items – REC

|    | <b>Action Item</b>                                                                                                         | <b>Who</b>    | <b>Target Completion</b> | <b>Actual Completion</b> |
|----|----------------------------------------------------------------------------------------------------------------------------|---------------|--------------------------|--------------------------|
| 10 | Prepare definition for “activity” based on today’s conversation.                                                           | Bob           | 5/22/13                  | Complete                 |
| 23 | Propose final language to define Test Source.                                                                              | Bob, Tom, Vas | 10/15/13                 | Complete                 |
| 24 | Capture background averaging of counts discussion and attempt to add to standard. Send draft language before next meeting. | Keith         | 10/15/13                 | Complete                 |
| 34 | Distribute Drinking Water Certification Manual to committee.                                                               | Bob           | 1/31/14                  | Complete                 |
| 36 | Prepare summary of comments on standard through Section 1.7.                                                               | Tom           | 2/25/14                  | Complete                 |
| 48 | Send updated copy of WDS for Ilona to review and format for WDS vote next week.                                            | Bob<br>Ilona  | 5/27/14                  | Complete                 |
| 49 | Update Standard with final comments from 4/28/14 meeting and send to Janice for final format corrections.                  | Ilona         | 5/29/14                  |                          |
| 50 | Post WDS so webinar can be planned 30 days out.                                                                            | Ilona         | 5/30/14                  |                          |

**Attachment C – Back Burner / Reminders**

|   | <b>Item</b>                                                                                                       | <b>Meeting<br/>Reference</b> | <b>Comments</b> |
|---|-------------------------------------------------------------------------------------------------------------------|------------------------------|-----------------|
| 1 | Update charter in October 2014                                                                                    | n/a                          |                 |
| 2 | Issue of noting modifications to methods.                                                                         | 1/16/13                      |                 |
| 3 | Look at batching when QC is looked at.                                                                            | 1/16/13                      |                 |
| 4 | Look at need to reference year for any standard references– which version is being referenced. Is this necessary? | 5/22/13                      |                 |
|   |                                                                                                                   |                              |                 |
|   |                                                                                                                   |                              |                 |
|   |                                                                                                                   |                              |                 |