

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

March 28, 2018

1. Roll Call and Minutes:

Bob Shannon, Chair, called the meeting to order at 1pm Eastern on March 28, 2018 by teleconference. Attendance is recorded in Attachment A – there were 6 members present. Associates: Robert Aullman, Jim Chambers, Sherry Faye, Carl Kircher, Keith McCroan, Greg Raspanti, Pepa Sassin and Stan Stevens.

Meeting minutes are distributed by email for comment/revision for a week and then posted on the TNI website.

2. Updates

- The Word version of the 2016 TNI Standard checklist does not have a specific due date. This is up to the committee. The main push from TNI was to complete the Excel version so it could be posted with all the other committee checklists.
- The PT Data is due 4/1/18, so hopefully Keith and Bob will get the data within a week or so and begin working on the limits.

3. TNI Standard Update

Bob is continuing to ask that people review the Standard and send comments. Bob asked Greg and Robert if they had any comments on the Standard after their review of the Checklist. Bob had a few more comments after going through the training in Albuquerque (Attachment D - Summary of Recommended Changes to the 2016 Standard).

4. New Business

None.

5. Action Items

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

6. Next Meeting and Close

The next meeting is scheduled for 4-25-18 at 1pm Eastern.

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

The meeting was adjourned at 1:25pm Eastern.

**Attachment A
Participants
Radiochemistry Expert Committee**

Members	Affiliation		Contact Information
Bob Shannon (Chair) (2019) Present	QRS, LLC Grand Marais, MN	Other	BobShannon@boreal.org
Tom Semkow (Vice Chair) (2019) Present	Wadsworth Center, NY State DOH Albany, NY	AB	thomas.semkow@health.ny.gov
Sreenivas (Vas) Komanduri (2019) Present	State of NJ Department of Environmental Protection Trenton, NJ	AB	Sreenivas.Komanduri@dep.state.nj.us
Marty Johnson (2019) Present	US Army Aviation and Missile Command Nuclear Counting Redstone Arsenal, AL	Lab	Mjohnson@tSC-tn.com
Velinda Herbert (2021*) Absent	National Analytical Environmental Laboratory	Lab	Herbert.velinda@epa.gov
Brian Miller (2021*) Absent	ERA	Other	bmiller@eraqc.com
Terry Romanko (2021*) Present	TestAmerica Laboratories, Inc.	Lab	Terry.romanko@testamericainc.com
Ron Houck (2018*) Absent	PA DEP/Bureau of Laboratories	AB	rhouck@pa.gov
Yoon Cha (2020) Present	Eurofins Eaton Analytical	Lab	YoonCha@eurofinsUS.com
Candy Friday (2020) Absent	CdFriday Environmental, Inc.	Lab	candy@fridayllc.com
Ilona Taunton (Program Administrator) Present	The NELAC Institute	n/a	Ilona.taunton@nelac-institute.org

Attachment B

Action Items – REC

	Action Item	Who	Target Completion	Completed
86	Review Excel 2016 Standard Checklist for finalization.	Larry Penfold	2/15/18	
88	Get PT data for PT Acceptance Criteria SOP	Ilona	March 31	In progress.
89	Carolyn and Bob will develop draft for LSC training – obtain and incorporate changes based on feedback from Terry.	Carolyn – Bob - Terry	June 15	

Attachment C – Back Burner / Reminders

	Item	Meeting Reference	Comments
5	Form subcommittee of experts in MS and other atom counting techniques to see that these techniques are adequately addressed in the radiochemistry module.	9/24/14	
6	From Action Item # 75: Prepare copy of Standard annotated with summary document language.		This is a project Carolyn was working on, but the committee decided it may duplicate the Small Lab Handbook. This project has been put on Hold.

Attachment D. Summary of Recommended Changes to the 2016 Standard

1. Tom

- a. Section 1.7.1.5.c.ii)
 - i. Physical impossibility of measurement of Lucas Cell background per day of use after it has been filled with radon.
- b. Sections 1.6.2.2.b) and 1.7.2.3.e.iii)
 - i. Three gamma energy ranges for DOC and two ranges for LCS are specified. Since LCSs are often used for DOC, it is inconsistent.
- c. Section 1.7.1.4.a.iii)
 - i. No guidance is provided what to do if the instrument performance check source is compromised.
- d. Sections 1.7.3.5.b) and 1.7.3.5.f)
 - i. Contradiction and a lack of logic in saying that “shall be reported directly as obtained” and then that specific requirements can take precedence over “shall”. Then it should not be “shall”.

2. Vas

- a. Consider whether existing issues would benefit from being addressed as SIRs

3. Keith

- a. 1.7.2.3(d)
 - i. It makes a lot more sense to talk about activities x times the MDC than x times the critical level. The critical level isn't really a well-defined measurable quantity. As we ordinarily define and use it, it's just a statistic that can vary with each measurement. The MDC is the a priori concept, whose value we can estimate.
When we calculate the a priori MDC, we actually do calculate an a priori critical value, too, but that value is never recorded or used for anything else.

4. Bob

- a. The original intent to the introductory language in each section was to frame the requirements that follow - not to establish requirements. The original intent was to number all requirements to facilitate writing findings. Review all sections. Add any clarifying language needed to intro and move requirements to numbered sections.
- b. Consider removing DOC requirements that are already addressed in Module 2. Include only the differences specific to radchem.
- c. 1.7.1.2 a) ii., iii., and iv. all describe the same situation – instrument response has changed. Would it not be good enough to put these together or even just to leave it be with iv.?