

Radiochemistry Expert Committee (REC) Meeting Summary

May 22, 2024

1. Roll Call and Minutes:

Amanda Fehr, Chair, called the meeting to order at 1pm Eastern on May 22, 2024 by teleconference. Attendance is recorded in Attachment A – there were 6 voting members present. Associate members in attendance: Joe Pardue, Keith McCroan and Bob Shannon.

The agenda was approved by unanimous consent.

2. Technology Workgroup

Jim forwarded an email to Amanda that he received from the Workgroup. Amanda shared it on screen (Attachment D).

3. Training Workgroup

The training group met 2 weeks ago and will begin meeting the 2nd Wednesday of the month.

They started planning the webinar training. They have lots of questions and action items on how it should go out. They are going over previous training slides Terry Romanko shared. They plan to pull slides from various presentations and combine them into one.

4. Technical specialist

Amanda will be emailing the group comments the NELAP AC had on the Committee's approach to defining Technical Specialist requirements. The Committee will begin taking a look at this next month. The QMS Expert Committee has decided to put the minimum requirements into Module 2 and have the Expert Committees decide whether more is needed for their module and put those additional Technical Specialist requirements into their module.

5. PT Criteria

Bob Shannon reported on his continued discussion with Lem Walker regarding MQOs for wastewater. Lem has not been able to provide any MQOs or DQOs. Bob is thinking about working with Lem to develop MQOs based on Marlap data. He will continue to provide updates.

6. New Business

None.

7. Action Items

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

8. Next Meeting and Close

The next meeting will be June 26, 2024 at 1pm Eastern.

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

Amanda adjourned the meeting at 2 pm Eastern.

**Attachment A
Participants
Radiochemistry Expert Committee**

Members	Affiliation		Contact InAffirmativemation
Amanda Fehr – Chair (2026) Present	GEL	Lab	amanda.fehr@gel.com
Sherry Faye (2025) Present	Wadsworth Center, NY State DOH Albany, NY	Lab	sherry.faye@health.ny.gov
Abigail Africa (2027*) Absent	Oklahoma Department of Environmental Quality	Lab	Abigail.africa@deq.ok.gov
Laura Freeman (2027*) Present	New Jersey Department of Environmental Protection	AB	Laura.freeman@dep.nj.gov
Stan Stevens (2026) Absent	Perma-Fix Environmental Services	Other	stanws@aol.com
Mark McNeal (2027*) Absent	ACZ Laboratories, Inc.	Lab	markm@acz.com
Jim Chambers (2026) Present	Fluor-BWXT Portsmouth LLC	Other	jim.chambers@ports.pppo.gov
Chrystal Sheaff (2027) Present	Energy Laboratories, Inc.	Lab	csheaff@energylab.com
Mary Beth Gustafson (2027) Present	Virginia	AB	mary.gustafson@dgs.virginia.gov
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
90	Send note about method codes and concerns to the PT Expert Committee. Is there a way to limit the codes a lab can use to report PT data?	Bob	TBD	12/27/23: On hold until notified.
120	Terry Contact Lem Walker clean water MQOs. Joe Pardue will provide Terry with DoD limits.	Terry Joe Pardue	TBD	Needed for Non-DW FoPT limits. 4/24: Bob Shannon is now working on this.
121	Discuss whether to look at the QSM and comments submitted to determine whether some additional changes should be made to the TNI final Standard.	All	TBD	
124	Determine whether in meeting trainings should be offered as Webcasts.	All	TBD	12/27/23: Discuss at next meeting.

Attachment C – Back Burner / Reminders

	Item	Meeting Reference	Comments
5	Affirmativem 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	12/27/23: Technology is acknowledged in new Standard. It has been addressed.
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. 12/27/23: No need. Small Lab Handbook is sufficient.

Attachment D: Update on Technology Workgroup

From: Chambers, Jim <jim.chambers@ports.pppo.gov>

Sent: Thursday, May 9, 2024 5:01 PM

To: Amanda Fehr <Amanda.Fehr@gel.com>

Subject: FW: [Technology Workgroup -UPDATE

[EXTERNAL EMAIL] DO NOT CLICK links or attachments unless you recognize the sender and know the content is safe.

Here is the latest update

James Chambers
Analytical Data Quality | Data Validation

Suggestions from Jerry Parr and Bob Wyeth (3/8/24):

Analytical Disciplines

Preparation;

- Extraction (including all techniques)
- Purge and Trap
- Headspace
- Digestion (including all techniques)
- Leaching (including all techniques)
- Distillation
- Parr Bomb
- Gas Diffusion
- CIE

Organic Analysis:

- Liquid Chromatography (including all techniques)
- Gas Chromatography

- Mass Spectrometry (including High Resolution, MS/MS)
- Compound specific (including FPD, NPD, ECD, etc.)

- IR (including FTIR)
- UV/VIS

Inorganic Non-metals:

- UV/VIS

Titrimetric
Gravimetric
Ion Chromatography
Ion specific electrode
Auto Analyzer Techniques (including segmented flow and other technologies)
Turbidimetry
Electrometric determinations (including pH, conductivity, DO, etc.)
Dissolved Oxygen Depletion
Combustion
Luminescence Based Sensor

Inorganic Metals:

Metals (including ICP, ICP/MS, CVAA, AA, ASV, AFS, etc.)

(suggest more input on the following analytical areas)

Microbiology:

Enzyme substrate
Microscopy
Selective plate/Tube media

Molecular Methods

Toxicity

Radiochemistry

Alpha Spectrometry
Gamma spectrometry
X-Ray Spectrometry
Alpha/Beta detection counting