

**Whole Effluent Toxicity Testing Expert Committee Meeting  
April 16, 2025 1:00 pm Eastern**

**1. Welcome and Announcements**

Teresa opened the meeting. Attendance is recorded in Attachment 1, below. The agenda was adjusted to delay consideration of minutes until after Craig Huff presented, as he had a hard stop at 1:30 pm Eastern, and then it was unanimously approved after a motion by Stephen, seconded by Caitie. The minutes of March 19 were approved unanimously (after Craig's presentation) following a motion by Stephen, seconded by Chandra.

**2. PTPEC WET FoPT Subcommittee**

Craig introduced himself as the Chair of this subcommittee and the Principal Technical Manager for Waters ERA, a PT provider. He provided data on PT results from three different providers for DMRQA studies 38 through 42, and also ERA's data for DMRQA 44. Based on the statistical analysis of those results, only one change to the FoPT table is likely to be proposed, and that will be to modify the acceptance limits, so that they become 10%, as all other tables use. This change has not yet been proposed to the executive committee. Craig also promised to send a further updated spreadsheet.

Discussion after Craig's departure noted that, if all PT providers pooled their data prior to performing the statistical calculations, the variations in test conditions would be far less significant, as the total number of results reported is, in some cases, as low as two (per provider).

The subcommittee would benefit from additional members, and both Chandra and Elizabeth responded to Craig's invitation to join the committee. The mechanism for joining this subcommittee is unclear, but Lynn is investigating and will notify Chandra and Elizabeth when a response arrives from the executive committee Chair or its PA, presumably after the holiday weekend.

**3. Definitions**

Response to QMS request ("Definitions Analysis" file) – The Quality Management Systems Expert Committee had asked each expert committee to review its list of definitions for items that might apply only to one technical module. Teresa had reviewed this file (displayed for participants), and it was clear that all of the definitions proposed for Module 2 are not limited to WET. That response has been transmitted to QMS.

Revisit WET Definitions ("Definitions 2023") – Teresa continues her search for the proper citations for some terms, particularly "bioassay".

**4. Updating the White Paper**

Participants discussed potential improvements to the original – additional background material and things we have learned since the original document was created (ten years ago). Also, we should include the phrase "white paper" in the title and add a recommended outcome to the document.

The committee desires to publish the document in a peer-reviewed journal, such as Regulatory Toxicology, whether by individuals or as a TNI offering. Once the white paper is finalized, a position statement should be drafted and presented through the TNI process for approval.

Teresa agreed to prepare an outline for the updated draft, and to check with her international contacts, especially Canada, to see if they have some similar documentation. She also shared her presentation from SETAC 2024 in Louisville, about WET PTs.

**5. Update on V1M7 Draft Standard Comments**

Lynn noted that a number of primarily editorial comments were received from one NELAP AB and that several others plan to submit comments, about wording requirements to be enforceable and also their objection(s) to our decision to include an exceptional amount of explanatory detail in the draft module.

**6. New Business**

There was no new business and the meeting was adjourned by unanimous consent.

**7. Next Meeting**

The next teleconference meeting will be on **Wednesday, May 21, 2025, at 1 pm Eastern.** A Microsoft Teams link for screen-sharing or just a telephone option will be provided with the agenda and any needed documents, in advance of the meeting.

**Attachment 1 WET Expert Committee Membership**

| <b>Member</b>                                | <b>Affiliation</b>                             | <b>Email</b>   | <b>Category</b>      | <b>Term Expires</b> | <b>Present ?</b> |
|--|--|--|----------------------|---------------------|------------------|
| Beth Biller                                  | VA DCLS  | <a href="mailto:Beth.biller@dgs.virginia.gov">Beth.biller@dgs.virginia.gov</a>                                 | AB                   | Jan. 2026 (1)       | Yes              |
| Thekkekalathil<br>"Chandra"<br>Chandrasekhar | FL DEP   | <a href="mailto:Thekkekalathil.Chandrasekhar@dep.state.fl.us">Thekkekalathil.Chandrasekhar@dep.state.fl.us</a> | Lab                  | Jan. 2027 (2)       | Yes              |
| Stephen Clark<br>(Vice Chair)                | Pacific EcoRisk                                | <a href="mailto:slclark@pacificecorisk.com">slclark@pacificecorisk.com</a>                                     | Lab                  | Jan. 2027 (2)       | Yes              |
| Darrin<br>Greenstein                         | Southern CA<br>Coastal Water<br>Research Proj. | <a href="mailto:Darring@sccwrp.org">Darring@sccwrp.org</a>   | Other                | Jan. 2026 (1)       | Yes              |
| Christina<br>Henderson                       | Bio-Aquatic<br>Testing, Inc.                   | <a href="mailto:chenderson@bio-aquatic.com">chenderson@bio-aquatic.com</a>                                     | Lab                  | Jan. 2026 (1)       | Yes              |
| Teresa<br>Norberg-King<br>(Chair)            | USEPA (retired)                                | <a href="mailto:Norbe010@d.umn.edu">Norbe010@d.umn.edu</a>   | Other<br>(Affiliate) | Jan. 2027           | Yes              |
| Katie Payne                                  | Enthalpy<br>Analytical                         | <a href="mailto:katie.payne@enthalpy.com">katie.payne@enthalpy.com</a>   | Lab                  | Jan. 2027 (1)       | No               |
| Caitie Van<br>Sciver                         | NJ DEP   | <a href="mailto:Caitie.VanSciver@dep.nj.gov">Caitie.VanSciver@dep.nj.gov</a>                                   | AB                   | Jan. 2027 (2)       | Yes              |
| Lyndsay<br>Thomas                            | Coastal<br>Bioanalysts, Inc.                   | <a href="mailto:lyndsay@coastalbio.com">lyndsay@coastalbio.com</a>   | Lab                  | Jan. 2026 (1)       | Yes              |
| Gretchen<br>Welfinger                        | NY ELAP  | <a href="mailto:gretchen.welfinger@health.ny.gov">gretchen.welfinger@health.ny.gov</a>                         | AB                   | Jan. 2027 (1)       | Yes              |
| Elizabeth West                               | Retired  | <a href="mailto:eawest1111@gmail.com">eawest1111@gmail.com</a>   | Other                | Jan. 2027 (1)       | Yes              |
| <b>Associate Members</b>                     |  |  |                      |                     |                  |
| Carlita Barton                               | LA County<br>Sanitation Dist.                  | <a href="mailto:cbarton@lacsds.org">cbarton@lacsds.org</a>   | Lab<br>(assoc.)      |                     | No               |
| Steve Boggs                                  | CA ELAP  | <a href="mailto:steve.boggs@waterboards.ca.gov">steve.boggs@waterboards.ca.gov</a>                             | AB<br>(assoc.)       |                     | No               |
| Sarah Brown                                  | Cove<br>Environmental                          | <a href="mailto:sarah@covesciences.com">sarah@covesciences.com</a>   | Lab<br>(assoc.)      |                     | No               |
| Skyler Brown                                 | ERA Lab  | <a href="mailto:Sbrown@eralab.com">Sbrown@eralab.com</a>   | Lab<br>(assoc.)      |                     | No               |
| Ginger Briggs                                | Bio-Analytical<br>Laboratories                 | <a href="mailto:bal@bioanalyticalabs.com">bal@bioanalyticalabs.com</a>   | Lab<br>(assoc.)      |                     | No               |
| Antoine<br>Chamsi                            | East Bay Muni-<br>cipal Utility Dist.          | <a href="mailto:antoine.chamsi@ebmud.com">antoine.chamsi@ebmud.com</a>   | Lab<br>(Assoc.)      |                     | No               |
| MaryAnn<br>Concepcion                        | SF Water                                       | <a href="mailto:Mconcepcion@sfwater.org">Mconcepcion@sfwater.org</a>   | Lab<br>(Assoc.)      |                     | No               |
| Laura Connolly                               | SF Water                                       | <a href="mailto:leconnolly@sfwater.org">leconnolly@sfwater.org</a>   | Lab<br>(Assoc.)      |                     | No               |
| Erin Consuegra                               | ERA Lab  | <a href="mailto:econsuegra@eralab.com">econsuegra@eralab.com</a>   | Lab<br>(Assoc.)      |                     | No               |
| Helen Conrad                                 | North Water<br>Dist. Lab. Svcs.                | <a href="mailto:helen.conrad@nwdls.com">helen.conrad@nwdls.com</a>   | Lab<br>(Assoc.)      |                     | No               |

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|--|---------------------------------------|--|----------------|--|-----|
| Amy Hackman  | PA Dept. Environ. Prot.               | <a href="mailto:ahackman@pa.gov">ahackman@pa.gov</a>                                       | AB (assoc.)    |  | No  |
| Paul Junio   | Pace Laboratories                     | <a href="mailto:paul.junio@pacelabs.com">paul.junio@pacelabs.com</a>                       | Lab (Assoc.)   |  | No  |
| Arianna Krueger  | Coastal Bioanalysts, Inc.             | <a href="mailto:arianna@coastalbio.com">arianna@coastalbio.com</a>                         | Lab (Assoc.)   |  | No  |
| Cody Medley  | Pace Labs                             | <a href="mailto:Cody.medley@pacelabs.com">Cody.medley@pacelabs.com</a>                     | Lab (Assoc.)   |  | No  |
| Kathi Mitchell   | RMB Environmental Laboratories, Inc.  | <a href="mailto:Kathleen.Mitchell@rmbel.info">Kathleen.Mitchell@rmbel.info</a>             | Lab (Assoc.)   |  | No  |
| Marlene Moore  | Advanced Systems                      | <a href="mailto:mmoore@advancedsys.com">mmoore@advancedsys.com</a>                         | Other (assoc.) |  | No  |
| Rami Naddy   | TRE Env. Strat. LLC                   | <a href="mailto:naddyrb.tre@gmail.com">naddyrb.tre@gmail.com</a>                           | Lab (Assoc.)   |  | No  |
| John Overbey   | Eurofins Arkansas                     | <a href="mailto:joverbey@et.eurofinsus.com">joverbey@et.eurofinsus.com</a>                 | Lab (Assoc.)   |  | No  |
| Rebekah Pauly  | Los Angeles Cty. Sanitation Districts | <a href="mailto:rebekahpauly@lacsds.org">rebekahpauly@lacsds.org</a>                       | Lab (Assoc.)   |  | Yes |
| Michele Potter   | NJ Dept. of Environ Protect.          | <a href="mailto:Michele.Potter@dep.nj.gov">Michele.Potter@dep.nj.gov</a>                   | AB (assoc.)    |  | No  |
| Christina Pottios  | Los Angeles Cty. Sanitation Districts | <a href="mailto:cpottios@lacsds.org">cpottios@lacsds.org</a>                               | Lab (Assoc.)   |  | No  |
| Jessica Redifer  | EA Eng., Sci. &Tech.                  | <a href="mailto:jredifer@eaest.com">jredifer@eaest.com</a>                                 | Lab (Assoc.)   |  | No  |
| Mary Ann Rempel-Hester   | EcoAnalysts, Inc.                     | <a href="mailto:mrempel@ecoanalysts.com">mrempel@ecoanalysts.com</a>                       | Lab (Assoc.)   |  | No  |
| Greg Savitske  | US EPA OECA                           | <a href="mailto:Savitske.gregory@epa.gov">Savitske.gregory@epa.gov</a>                     | Other (Assoc.) |  | No  |
| Justin Seikel  | NEORS                                 | <a href="mailto:seikelj@neorsd.org">seikelj@neorsd.org</a>                                 | Lab (Assoc.)   |  | No  |
| Cavan Smith  | NEORS                                 | <a href="mailto:SmithCavan@neorsd.org">SmithCavan@neorsd.org</a>                           | Lab (Assoc.)   |  | Yes |
| Alex Tite  | EnviroScience                         | <a href="mailto:atite@enviroscienceinc.com">atite@enviroscienceinc.com</a>                 | Lab (Assoc.)   |  | No  |
| Elizabeth Turner   | Eurofins                              | <a href="mailto:elizabeth.turner@et.eurofinsus.com">elizabeth.turner@et.eurofinsus.com</a> | Lab (Assoc.)   |  | No  |
| Craig Watts  | Hydrosphere Research                  | <a href="mailto:cwatts@hydrosphere.net">cwatts@hydrosphere.net</a>                         | Lab (Assoc.)   |  | No  |
| Jennifer Whitaker  | Trinity River Authority of TX         | <a href="mailto:whitakerj@trinityra.org">whitakerj@trinityra.org</a>                       | Lab (Assoc.)   |  | No  |
| <b>Guest:</b> Craig Huff, Waters ERA, <a href="mailto:Craig_Huff@waters.com">Craig_Huff@waters.com</a>                             |                                       |  |                |  |     |
| <b>Program Administrator:</b> Lynn Bradley, <a href="mailto:lynn.bradley@nelac-institute.org">lynn.bradley@nelac-institute.org</a> |                                       |  |                |  |     |

## **Attachment 2 – Agenda as presented, April 16, 2025**

- Welcome and Roll Call
- Approval of Agenda
- Approval of Minutes (March minutes attached)
- PTPEC WET FoPT Subcommittee – discussion with Craig Huff, Subcommittee Chair
- Definitions
  - Response to QMS request (see attached "Definitions Analysis" file)
  - Revisit WET Definitions ("Definitions 2023..." attached from February meeting, awaiting citations)
- Updating the White Paper (original attached)
- Update on V1M7 Draft Standard Comments
- New Business, if any
- Adjourn