

TNI Stationary Source Audit Sample Expert Committee Teleconference
January 10, 2012

Attendance:

Maria Friedman – Chair TestAmerica (Laboratory)	Committee member	present
Mike Hayes Linde (Provider)	Committee member	present
Michael Klein New Jersey DEP (State government)	Committee member	present
Theresa Lowe CCI Environmental	Committee member	present
Paul Meeter Weston Solutions (Stationary Source Tester)	Committee member	present
Gregg O’Neal, North Carolina DAQ (State government)	Committee member	present
Michael Schapira Enthalpy (Laboratory)	Committee member	present
Jim Serne TRC Solutions (Stationary Source Tester)	Committee member	absent
Richard Swartz, Vice-chair Missouri DNR (State government)	Committee member	present
Stanley Tong EPA Region 9 (Federal government)	Committee member	present
Ken Jackson TNI (Program Administrator)	Program Administrator	present
Ty Garber Wibby (Provider)	Associate member	absent
Shawn Kassner ERA (Provider)	Associate member	present
Mike Miller (Member at large)	Associate member	absent
William Mills Mills Consulting (NELAC Assessor)	Associate member	absent
William Daystrom	Guest	present
Donna Ruokonen	Guest	present
Charles Simon	Guest	present
Wayne Stollings	Guest	present

- 1) Double-check receipt of documents to be referenced in this teleconference.

All present confirmed receipt of the documents e-mailed January 9, 2012.

- 2) Review and approve minutes from teleconference on December 5, 2011.

It was moved by Gregg and seconded by Mike Schapira to approve the minutes. All were in favor.

3) Chair update

Maria reported she had contacted A2LA, but they were only able to confirm that approval of providers was still in progress, and they will let her know as soon as any are approved. She will ask if they can estimate when this will be. Apparently no provider has applied to the other accreditor.

A complaint has been received claiming the dioxin acceptance criteria are too tight. However, the criteria are based on EPA's historical data. When the formal complaint has been filed with TNI, it will be forwarded to Maria and will then be discussed by the committee.

Maria has received a spreadsheet of M25 results from Charles, and she will give this to the subcommittee for their review.

4) Review Audit Sample Calculation Tool

William had provided a revised spreadsheet with the comments that he had updated the tool with the new warning language. He also updated the tabs for methods 7, 8 (SO₂), 8 (H₂SO₄), 13A, and 13B. All of those methods have concentration ranges in mg/dscm units, like M6.

He said the remaining methods have concentrations in the SSAS Table that are in different units, and in order for the calculation tool to provide warnings, he would need to know what changes to make to the formulae on those spreadsheets. The mg/dscm methods are comparing the calculated in-stack gas concentration (in mg/dscm) against the SSAS Table range. To compare against a SSAS Table range that is in different units, he will need to calculate the in-stack gas concentration in matching units.

The following units are in the SSAS Table for the remaining methods:

26 and 26A: mg/L

12 and 29 (filter): ug/filter

12 and 29 (impinger): ug/mL

29 (impinger Hg) and 101A: ng/mL

315: mg/sample

23: ng/cartridge.

William reported he had just updated tabs for the methods that use the same units as M6, and he needed to know what warning concentrations for outside of range to put in the other methods. It was commented that M26 is a laboratory concentration (mg/L). Michael Klein offered to help William, and Richard will help modify the calculations. It was noted that an audit mass in ng is not needed and should be deleted. Also, any mass units in a method that do not correspond to those in the table should either be eliminated or left in while making it clear what units to use when ordering samples. Maria suggested adding these units to the ordering information on the bottom left, but Paul thought it would be easiest if the only audit concentration units highlighted were those to be used when ordering from the supplier.

For M29, it is possible to order an ampoule or a filter, and whichever is ordered the required units should be highlighted. It was then questioned if row 17 (ampoule or filter) should be removed for all methods, but it was suggested leaving it because it is there to make sure people do not order the wrong one. Maria suggested just hiding it for now and seeing how it goes. Gregg recommended a pop-up message for each line to tell users to see the warning notes.

Mike Schapira would like SO3 to be added to M8, but there are no historical data.

In an e-mail message on December 6, Jim had said the providers need a defined range for each type of audit. The acceptance table only includes pass / fail criteria for audits that fall within the range listed in the acceptance table. No (or insufficient) data are available for setting the acceptance criteria for audit samples outside of the ranges published in the acceptance table. He asked what acceptance criteria would apply if an audit sample was requested that was outside the range listed in the table, and what acceptance criteria would apply if the Providers want to sell such an audit,. He suggested TNI (with approval of EPA) should develop a process for expanding the range of concentrations, as well as for developing new types (new methods or pollutants) of audits. Maria will talk to the PT Executive Committee about procedures for adding samples. It was suggested this might be achieved through an SOP (approved by EPA), rather than amending the standard.

Charles presented a spreadsheet he had circulated to the committee on January 10. For M6 he had checked all equations and found them to be correct. He had added a few significant figures for use in the calculations, noting this was not just limited to M6. He asked if 6 significant figures are satisfactory, and Richard said he would make sure about this before the next meeting.

Maria said the committee would hopefully vote on the tool in Sarasota.

5) Adjournment

The meeting was adjourned at 3:25 pm EST.

The next meeting is scheduled for January 30, 2012, 8:30 EST, in Sarasota.

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for January 10, 2012:

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- 3) Chair update
- 4) Review Audit Sample Calculation Tool