

**SUMMARY OF THE
TNI ENVIRONMENTAL MEASUREMENT METHODS EXPERT COMMITTEE
MEETING
JANUARY 7, 2011**

The Committee held its first meeting, via teleconference, on Friday January 7, 2011, at 12:00 noon EST.

1 – Roll call

The Committee members and attending Associate Committee Members each introduced themselves, providing brief background information.

Committee Members in Attendance:

Richard Burrows, Test America (Lab)	Present
Brooke Connor, USGS (Other)	Present
Dan Dickinson, NYSDOH (Accreditation Body)	Present
Tim Fitzpatrick, Florida DEP (Lab)	Present
Nancy Grams, Advanced Earth Technologists, Inc. (Other)	Present
Anand Mudambi, USEPA (Other)	Present
John Phillips, Ford Motor Co., (Other)	Present
Lee Wolf, Columbia Analytical Services (Lab)	Present

Also present: Justin Brown, Environmental Monitoring and Technologies, Inc. (Associate Committee Member); Arthur Denny, TCEQ (Associate Committee Member); Ken Jackson, TNI Staff.

Richard Burrows, having been Chair of the Steering Committee, opened the Committee Meeting as its *pro-tem* Chair.

2 – Consideration of Minutes from previous Steering Committee call

The Steering Committee Members (Richard Burrows, Tim Fitzpatrick, and John Phillips) approved the minutes of the December 2, 2010 conference call. All action items were seen to be complete except for investigating the availability of data on the EPA study on the single laboratory DL QL Procedure v2.4. Ken will continue to pursue this and Anand agreed to look into it. Since the Expert Committee had now been formed, the Steering Committee was dissolved by unanimous vote.

During the discussion of the minutes, Richard drew the Expert Committee Members' attention to the following general objective proposed by the Steering Committee:

“Our approach will be to improve the technical quality of methodologies that are currently in use, in a way that minimizes the impact on laboratories while maximizing improvements in the quantitative estimates (LOD, LOQ, and calibration.”

This generated some discussion, and it was suggested that measurement uncertainty should be part of the mandate. While it was agreed that measurement uncertainty is fundamental to analytical laboratory measurements, and is the end goal, federal and state regulations are based on limits (e.g., LOD, LOQ). The Committee will consider measurement uncertainty, and will make sure its work is compatible with it, but measurement uncertainty cannot be the primary approach.

The above general objective will be considered when the Committee develops its charter.

3 – Ground Rules

Ken provide a brief orientation for the Committee members by reviewing salient sections of the Procedures Governing Standards Development (SOP 2-100) and the Procedures for Expert Committee Operations (SOP 2-101).

4 – Planning for Savannah Meeting

The following agenda was developed and agreed by unanimous vote (proposed by Anand and seconded by Nancy):

- 8:30 am. Present draft committee charter, mission statement, objectives - Richard
- Review current options
 - Review of “What we want a procedure to do” - John
 - Review of DQ FAC procedure - Tim
 - Review of MDL - Richard
 - Review of LCMRL and MRL - Richard
 - Review of USGS procedures - Brooke
 - Review of IDE and IQE - Nancy
- TNI DL/QL presentation - Brooke
- Review current calibration options - Richard
 - RSD
 - Correlation coefficient
 - Evaluation of residuals
 - RSE
- 11am Open forum
- 1:30 pm Working meeting
 - Ground rules (see and select from TNI SOPs)
 - Vote on Charter, mission statement, objectives
 - Agree on terms for each member
 - Develop schedule for subsequent meetings
 - What do we want to tackle first?
 - Approach to detection limit procedure
 - Approach to quantitation limit procedure
 - Approach to calibration
 - Any final votes

Ken was tasked with presenting a condensed version of the agenda (main bullets only) to Jerry Parr for the conference brochure.

5 – Election of Committee Chair

It was proposed by Tim and seconded by Anand that Richard should chair the Committee. This was approved unanimously and Richard agreed to serve.

6 –Next Meeting

This will be at the Forum on laboratory Accreditation in Savannah, February 3, 2011.

8-Adjournment

The meeting was adjourned at 1:25 pm EST

LIST OF ACTION ITEMS TO BE COMPLETED

Item No.	Date Proposed	Action	Assigned to:	To be Completed by:
1	10/26/10 (by Steering Committee)	Investigate availability of data on EPA study on the single laboratory DL QL Procedure v2.4.	Ken/Anand	On-going
2	1/7/11	Prepare condensed agenda for Savannah meeting and send to Jerry Parr	Ken	1/14/11