

**SUMMARY OF THE  
TNI ASBESTOS EXPERT COMMITTEE MEETING  
July 17, 2019**

The Committee met by teleconference on Wednesday, July 17, 2019, at 1:00 PM EDT. Chair Myron Getman led the meeting. The call was recorded and subsequently deleted upon completion of the draft minutes.

**1 – Roll call and 2 – Agenda Review**

Mike Carpinona, NJDEP (AB)	Present
Zonetta English, Louisville Jefferson County (Lab)	Absent
Myron Getman, Chair, NY State DOH (AB)	Present
Glen Green, Vice-Chair, Xcel Energy (Other)	Present
Dixie Marlin, Marlin Quality Management(Other)	Present
Michelle McGowan, EMSL Analytical (Lab)	Present
Dan Shelby, EMLab P&K (Lab)	Present
Carl Kircher, FLDOH, Associate Committee Member	Absent
Robert Wyeth, Program Administrator	Absent

A quorum was present, the agenda reviewed/approved (Attachment 1), and the meeting commenced.

**3. – Minutes from June 19, 2019 Conference Call**

The minutes were reviewed and Dan’s attendance was changed from absent to present. With this change a motion to approve the minutes was made by Glenn and seconded by Dan. The minutes were unanimously approved. The final June minutes were sent to William for posting.

**4. – Training Reminder**

Myron reminded committee members of training requirements and the availability of on line training modules on the TNI website.

**5. – Call in number**

At Bob’s request members of the Asbestos committee were requested to not use the 800 call-in number.

**6. – Summary and Outline of Proposed Changes**

As required by SOP 2-100, a summary of proposed changes to V1M3 and an outline of said changes is required to be posted on the TNI website for public comment prior to presentation of a preliminary VDS, A copy of the information to be contained in this posting was presented by Myron (Attachment 2) and was approved unanimously by the committee following a motion by Dixie and a second by Glenn.

**7. - Old Business - (V1M3, section 7.2.3.2 – proposed revision)**

As a follow up to the June meeting Michelle and Dan proposed language to be utilized in section 7.2.3.2 of V1M3. The language proposed was as follows:

*“Laboratories must be able to demonstrate competency quantifying samples in lower concentrations (1%-10%)”*

The committee discussed this further but ultimately the committee agreed to accept this proposed language for section 7.2.3.2.

## **8. – New Business - Draft Revision Review 4/19 (Module 3)**

Discussion continued with review of the 4/19 draft of V1M3 with section 7.2.4.1.1.a)ii (Quality Control, Negative controls). For water and wastewater specific water blank volumes were established for different filter sizes in Method 100.1 and 100.2. For air samples the language with changes previously made and illustrated in the 4/19 version of V1M3 were unchanged. For bulk samples the language was modified to include the homogenization step of preparation.

For section 7.2.4.2 the language presented with changes previously made and illustrated in the 4/19 version of V1M3 were unchanged for Water and Wastewater and Bulk samples . For Air samples [7.2.4.2.b)i] the reference was changed from 1.7.4.1.a)i to 7.2.4.2.a)i.

Section 7.2.4.3 was reviewed and all subsections were accepted with changes previously made and illustrated in the 4/19 version of V1M3 with the exception of adding the term “wherever possible” at the end of the first sentence in 7.2.4.3.b).

Discussion followed regarding Phase Contrast Microscopy, changes in Issue 3 of NIOSH 7400 and the resultant need for changes in V1M3. The committee then addressed 7.3.1 on Calibration. 7.3.1.1. was accepted as presented. Section 7.3.1.2 was modified to add the term “whichever is least often” after the statement “...next usage”, and delete the reference to HSE/NPL as well as the last sentence in the section. Section 7.3.1.3 was discussed at length and the fundamental acceptable changes were to reference NIOSH 7400, Issue 3 and have laboratories assure compliance with this method.

Regarding section 7.3.2 Test Variability/Reproducibility, subsection 7.3.2.1 was modified to add “Analysts shall participate at least annually” to the end of the clause. For 7.3.2.2, the of the cited ranges was corrected from 5-25 to 5-20 and the following was added prior to the last sentence in the section; “A laboratory developed uncertainty model from intra- and inter- microscopist precision may also be used.”

Section 7.3.3 Analytical Sensitivity was unchanged.

The August call will resume discussion of changes to V1M3 at section 7.3.4.

On a motion from Michelle and a second from Glenn, unanimously approved by the committee, the meeting adjourned at 2:24 PM ET.

The next meeting of the Asbestos Expert Committee is scheduled for Wednesday August 21, 2019 at 1:00 PM ET.

# ATTACHMENT 1

## TNI Asbestos Testing Expert Committee (ATEC)

### Conference Call

#### Committee Meeting

Wednesday, July 17, 2019; 1PM EST

Call in: 1-712-832-8330

Access code: 822 174

Myron Getman, Chair

Glen Green, Vice Chair

### AGENDA

1. Roll call
2. Review and approve Agenda
3. Review and approve June minutes
4. Training reminder
  - a. <http://nelac-institute.org/eds/download/ChairTraining.php>
5. Call-in number
6. Summary and Outline of Proposed Changes
7. Old Business
  - 7.2.3.2 – proposed revision (Michelle)
8. New Business
  - Draft Revision Review 4-19.xls (*based entirely upon spreadsheet, if sections or topics were not included, raise them in their relevant section*)
    - a. 7.2.4.1 – Quality Control
    - b. 7.2.4.1.1 a) ii – blank volumes for 100.1 and 100.2
      - i. I have language written in my notes which reads: “A process blank sample consisting of fiber-free water shall be run before the first field sample. For 10 grid-openings, the quantity of water shall be  $\geq 150\text{mL}$  for a 25-mm diameter filter and  $\geq 1\text{L}$  for a 47-mm diameter filter for Method 100.2 or  $\geq 100\text{mL}$  for a 25-mm diameter filter and  $\geq 500\text{mL}$  for a 47-mm diameter filter for Method 100.1.” According to my notes, the relevant references are 100.1 – section 6.8.1 and 100.2 – Table 1 & section 8.2 – **MG**
    - c. 7.2.4.2 – Other Quality Control Measures
    - d. 7.2.4.3 – Quality of Standards and Reagents
    - e. 7.3 – NIOSH 7400, Issue 3 changes
9. Continue as time permits following Draft Revision Review 4-19.xls
10. Next Meeting: August 21, 2019 @ 1pm

## Attachment 2

### Summary and Outline of Proposed Changes to V1M3

#### Proposed Changes to Quality Systems for Asbestos Testing (Volume 1, Module 3)

The TNI Asbestos Expert Committee has modified Volume 1, Module 3 of the 2016 Standard. Stakeholders are encouraged to provide input. All input provided by [date] will be considered by the Committee for possible inclusion in the Voting Draft Standard.

This announcement includes the proposed changes as well as their benefits.

#### Restructuring of Volume 1, Module 3 by Technology

The current (2016) standard is currently arranged by Quality Control requirements and then further divided by technology. Based upon feedback from assessors and laboratories, the Asbestos Expert Committee has decided to restructure Volume 1, Module 3 by technology to better facilitate of method-specific reference by stakeholders. By doing so, if a question is raised about Polarized Light Microscopy, for example, someone will now just go to section 7.4 – “Polarized Light Microscopy.”

#### **Organization of Draft Revised Standard**

- 1.0 Introduction
- 2.0 Scope
- 3.0 Terms and Definitions
  - 3.1 Additional Terms and Definitions
  - 3.2 Exclusions and Exceptions
- 4.0 Method Selection
- 5.0 Method Validation
- 6.0 Demonstration of Capability (DOC)
  - 6.1 General
  - 6.2 Initial DOC
  - 6.3 On-Going DOC
- 7.0 Technical Requirements
  - 7.1 Reference methods
  - 7.2 Transmission Electron Microscopy
    - 7.2.1 Water and Wastewater
      - 7.2.1.1 Calibration
      - 7.2.1.2 Test Variability/Reproducibility
      - 7.2.1.3 Analytical Sensitivity
      - 7.2.1.4 Data Acceptance/Rejection Criteria
    - 7.2.2 Air
      - 7.2.2.1 Calibration
      - 7.2.2.2 Test Variability/Reproducibility
      - 7.2.2.3 Analytical Sensitivity
      - 7.2.2.4 Data Acceptance/Rejection Criteria

- 7.2.3 Bulk Samples
  - 7.2.3.1 Calibration
  - 7.2.3.2 Test Variability/Reproducibility
  - 7.2.3.3 Analytical Sensitivity
  - 7.2.3.4 Data Acceptance/Rejection Criteria
- 7.2.4 General
  - 7.2.4.1 Quality Control
  - 7.2.4.2 Other Quality Control Measures
  - 7.2.4.3 Quality of Standards and Reagents
- 7.3 Phase Contrast Microscopy
  - 7.3.1 Calibration
  - 7.3.2 Test Variability/Reproducibility
  - 7.3.3 Analytical Sensitivity
  - 7.3.4 Data Acceptance/Rejection Criteria
  - 7.3.5 Quality Control
  - 7.3.6 Other Quality Control Measures
  - 7.3.7 Quality of Standards and Reagents
- 7.4 Polarized Light Microscopy
  - 7.4.1 Calibration
  - 7.4.2 Test Variability/Reproducibility
  - 7.4.3 Analytical Sensitivity
  - 7.4.4 Data Acceptance/Rejection Criteria
  - 7.4.5 Quality Control
  - 7.4.6 Other Quality Control Measures
  - 7.4.7 Quality of Standards and Reagents
- 7.5 Constant and Consistent Test Conditions Sample and Sampling Requirements

#### **Update Requirements and Standards to Current State of the Art**

The Draft Revised Standard is being reviewed and edited to better reflect the current state of asbestos testing. In addition to basic corrections and edits, changes include revising language to better permit electronic record keeping, adding definitions, and refining references. Additionally, the lack of method-required NIST SRMs is a persistent and serious issue for asbestos testing facilities and the TNI Asbestos Expert Committee felt it needed to be addressed. Language is proposed to facilitate the use of NIST-equivalent Standard Reference Materials (SRMs).