

**Field Activities Committee (FAC)
Meeting Summary**

August 5, 2014

1. Roll call and Minutes:

Chair, Justin Brown called the FAC meeting to order on August 5, 2014 at 1 PM EST. Attendance is recorded in Attachment A – there were 9 members present. Associates present: Marlene Moore, Mike Miller.

2. Mobile Laboratory Update

Paul Bergeron – Slides

Paul Bergeron presented an update of the Mobile Laboratory Subcommittee activities (see Attachment E).

Carl Kircher: Excellent report.

3. Committee Activities

See slides in Attachment F.

2014 Standard

Justin reviewed the steps and timeframe for the finalization of the standard.

Charter Revision

4. FSMO Tools Subcommittee

The committee is putting tools in place to help FSMO's to participate in the program and achieve accreditation.

The first document the subcommittee worked on was a priority elements for FSMOs checklist. It is being held for publications until the next document is completed. A

summary of the process document is being worked on. This will give an FSMO a great overview of the process.

The subcommittee also offered to help the NEFAP EC with its task to develop a Guidance Document for developing the Scope of Accreditation. The NEFAP EC is completing the application to develop the guidance document and has asked the FAC to move forward.

5. EPA Container Document Subcommittee Update

See slides for summary of actions. There is a meeting this week to identify stakeholders and check with EPA to confirm that TNI's involvement is useful.

Marlene noted that is a document for the CLP. It was the first document developed to define containers. This is how the bottle manufacturers prepare preserved bottles, etc. There is a note that it can be used for other programs. The subcommittee will evaluate whether this make sense.

6. Advocacy

See slides

Other item:

Slides went up Field Sample and Measurement Organization. In addition, in recognition of the successful completion the A2LA evaluation process, including an evaluation of the organizations compliant with the ...

Showed an example of A2LA's scope for an FSMO. These are already up on the AB websites.

Need to focus on continuing the efforts on advocacy.

6. Open Discussion

None.

7. New Business

None.

8. Action Items

The table in Attachment C summarizes all action items.

9. Next Meeting

The next meeting will be on Tuesday, August 5th in DC.

Attachment B summarizes Advocacy. Action Items are included in Attachment C and Attachment D includes a listing of reminders.

The meeting was adjourned at 2pm EST. Mike Sheppherd motioned to adjourn. John Moorman seconded it and it was unanimously approved.

Attachment A
Participants
TNI Field Activities Committee

Members	Affiliation	Balance	Contact Information	
Justin B. Brown (Chair) Present	EMT	FSMO	(847) 324 3350	jbrown@emt.com
Troy Burrows Present	STAC (Golden Specialty)	AB	(800) 429-8445	tburrows@goldenspecialty.com
Maggie Cangro Present	Catalyst Air Management, Inc.	FSMO	(813)994-5880	maggie.cangro@catalystair.com
Yoon Cha Present	Eurofins Eaton Analytical	Other	(626)386-1188	YoonCha@eurofinsUS.com
Craig Forbes Present	HRSD-Pretreatment & Pollution Prevention Division	FSMO	(757)460-7043	CFORBES@HRSD.COM
Kevin Holbrooks Present	Jacksonville Electric Authority	Other		holbke@jea.com
Tom Martins Absent	NYCEP	FSMO	(914) 397-7935	martinst@dep.nyc.gov
John Moorman Present	Water Quality Monitoring Division, South Florida Water Management District	FSMO	(561) 753-2400 x4654	jmoorma@sfwmd.gov
Juan Ramirez Absent	Seminole Electric Cooperative, Inc.	Other	(813) 739-1219	jramirez@seminole-electric.com
Mike Shepherd Present	L-A-B (Shepherd Technical Services)	AB	512-970-6789	mike@sheptechserv.com
Lauren Smith Present	A2LA	AB	(301)644 3216	lsmith@a2la.org
Angela Zevely Present	LG&E and KU Energy, LLC	Other	(502) 347-4196	angela.zevely@lge-ku.com
Craig Sprinkle Absent	CH2MHILL	Other	(678) 530-4333	Craig.Sprinkle@CH2M.com
Shannon Swantek Present	Oregon Public Health Division	AB	(503) 693-4130	shannon.swantek@state.or.us
Ilona Taunton (Program Administrator) Present	The NELAC Institute		(828)712-9242	Ilona.taunton@nelac-institute.org

Attachment B

NEFAP ADVOCACY SCHEDULE

Organization	Event	Type of Presentation	Event Dates	Presenter
Past Events				
Midwest Groundwater Association	2009 Annual Midwest Groundwater Conference	Poster	October 15, 2009	Justin Brown
National Groundwater Association	2010 National Groundwater Summit	Speaking	April 13, 2010	Justin Brown
US Department of Defense	2010 EDQW	Speaking	April 15, 2010	Justin Brown
AEHS Foundation, Inc	26th Annual International Conference on Soils, Sediments, Water, and Energy	Poster	October 18, 2010	Declined Invitation (nobody to present)
US Environmental Protection Agency	20 th Annual Quality Assurance Conference	Speaking	October 20, 2010	Jo Ann Boyd
Pacific Northwest Clean Water Association	2010 Annual Conference	Speaking	October 26, 2010	Keith Champman
NWEC	2010 Northwest Environmental Conference	Speaking	December 6, 2010	Scott Hoatson
Midwest Water Analysts Association	2011 Winter Expo	Speaking	January 28, 2011	Justin Brown
Battelle	Battelle for the International Conference on Remediation of Contaminated Sediments	Poster	February 7, 2011	Declined Invitation (nobody to present)
SSAAP	Stationary Source Sampling and Analysis for Air Pollutants XXXV Conference	Speaking	March 20, 2011	Scott Evans
American Water Works Association	2011 Watercon	Speaking	March 20, 2011	Justin Brown
US Department of Defense	2011 EDQW	Speaking	March 28, 2011	Justin Brown
ASQ	2011 ASQ Energy and Environment Conference	Speaking		Randy Query
US Environmental Protection Agency	2011 Annual EPA Quality Assurance Conference	Speaking	October 18, 2011	Jo Ann Boyd
Midwest Environmental Laboratory Stakeholders	2011 MELSS Annual Meeting	Speaking	December 2, 2011	Justin Brown
	2012 Environmental Regulatory and Compliance Conference	Speaking		Calista Daigle
US Environmental Protection Agency	2012 On-site testing conference	Speaking	January 23, 2012	Lauren Smith
US Department of Defense	2012 EDQW	Speaking	March 2012	Justin Brown/ Marlene Moore

Organization	Event	Type of Presentation	Event Dates	Presenter
Stack Testing Accreditation Council	2012 Source Evaluation Society Annual Conference	Speaking	March 7, 2012	Maggie Cangro
Texas Commission for Environmental Quality	2012 TCEQ Environmental Trade Fair and Conference	Speaking	May 1, 2012	Mike Shepard
US Environmental Protection Agency	2012 Annual EPA Quality Assurance Conference	Speaking	October 15, 2012	Jo Ann Boyd
PIANC USA/ COPRI ASCE	2012 Dredging PIANC/ COPRI ASCE	Speaking	October 22, 2012	Declined Invitation (nobody to present)
Environmental Protection Agency / Dept. of Homeland Security	2013 On-site Analysis Conference	Speaking	January 23, 2013	Lauren Smith
Louisiana Water Environment Association	21st Annual Technical Exhibition and Conference Louisiana Water Environment Association Conference	Speaking	April 18, 2013	Tracy Szerszen
Oregon Environmental Laboratory Association	OELA/ORELAP Annual Environmental Lab Workshop	Speaking	May 16, 2013	Kim Watson
Florida Society of Environmental Analysts	2013 FSEA Annual Spring Meeting and Technical Session	Speaking/ Technical Seminar	May 22, 2013	John Moorman
State Assessor Forum	Conference Call	Speaking / Q&A	July 22, 2013	Justin Brown Marlene Moore
US Army Corp of Engineers	Regional Workshop	Speaking	September 11 th , 2013	John Moorman
US Environmental Protection Agency	2013 Annual EPA Quality Assurance Conference	Speaking	October 14, 2013	Jo Ann Boyd
Florida Society of Environmental Analysts	Field Quality Systems Workshop	Speaking	October 23 rd , 2013	John Moorman
Illinois Association of Environmental Testing Labs	Midwest Environmental Stakeholder Summit	Speaking	December 6 th , 2013	Jerry Parr
TWUA	??	Speaking	March 10 th , 2015	JoAnn Boyd
Upcoming Events				

Attachment C

Action Items – FAC

	Action Item	Who	Expected Completion	Actual Completion
47	Update Presentation Summary and distribute before meetings. (Prepare table of speaking engagements. This will be added to minutes and website. Follow-up with Scott Hoatson, Jan and other committee members to find out about other speaking engagements to add to the summary table being prepared.)	JoAnn Justin	Each Meeting	Ongoing 1-15-13: Ilona meeting with William to set this up to add to website. 4/20/13: Ilona requested status update from William.
61	Update presentation and distribute for review. (General presentation people can use when attending conferences.)	Justin JoAnn	March 5, 2012 Needs to be updated by 3/31/13.	Presentation was done, but not reviewed yet. Probably needs more updating at this point. 2/20: Update from John. He is adding some info from the white paper and will then get back to Justin and Marlene. Justin will have it back from John first week of March. Need to work on speaker notes. 5/23/13: John sending FL presentation. 7/29/13: Presentation not received.

	Action Item	Who	Expected Completion	Actual Completion
93	Prepare a list of updates to the standard when it is finalized to help people with implementation.	Justin FAC	TBD	4/2014: Committee members look at it and make recommendations for changes – then it will be updated and sent out.
94	Look at EPA container request.	FAC	TBD	Backburner. EPA specifications and guidance for sample containers. The vendor asked EPA to look at these outdated specification. EPA referred him to our group. Next Agenda. Justin will provide information and what they are asking for us.
102	Update checklists based on final standard.	Ilona	2/14/14	AB Evaluation will be complete this week. Format now similar to AB Assessment checklist.
104	Follow-up on posting of new Standard.	Ilona	6/30/14	
105	Analyze container issue and present initial plan to committee.	Justin, Kevin, Terrance, Scott	6/30/14	

Attachment D

Backburner / Reminders – FAC

	Item	Meeting Reference	Comments
2	Update charter in October 2014	2/2/11	
3			
4			

NEFAP Mobile Laboratory Subcommittee

Biannual Report
Environmental Measurement Symposium
Washington DC
August 5, 2014

8/4/14 1

History

- Created in mid-2012
- Conducted a survey of mobile Laboratory stakeholders
- Convened in February 2014 to re-organize and report to the NEFAP EC
- Worked on its mission statement in March 2014
- Identified organizations with whom to initiate dialog on mobile laboratory issues in April 2014

8/4/14 2

Members and Officers

- Members: Michael Miller, Justin Brown, John Moorman, Marlene Moore, Mike Shepard
- Chair: Paul Bergeron
- Vice Chair: Craig Sprinkle
- Secretary: Kim Watson
- Program Administrator: Ilona Taunton

8/4/14 3

Projects

- Follow up Survey of Mobile Laboratory Stakeholder
- Conducting review of the Requirements in 2009 TNI Standard Environmental Laboratory Sector and Field Sampling and Measurement Sector
- Reviewing the NELAP and Non-NELAP State Accreditation Requirements
- Reviewing the Non-Governmental AB Requirements

8/4/14 4

Compare and Contrast the Sectors....

The 2009 TNI Standard and Mobile Laboratories

ENVIRONMENTAL LABORATORY SECTOR

VOLUME 1
Requirements for Accreditation Bodies
Addressing Environmental Sectors

The Standard
Approved Dec 1, 2007

ENVIRONMENTAL LABORATORY SECTOR

VOLUME 2
Other Requirements for Accreditation Bodies
Addressing Environmental Sectors

The Standard
Approved Dec 1, 2007

FIELD SAMPLING AND MEASUREMENT SECTOR

VOLUME 1
GENERAL REQUIREMENTS FOR ACCREDITATION BODIES
FOR FIELD SAMPLING AND MEASUREMENT

The Standard
Approved Dec 1, 2007

FIELD SAMPLING AND MEASUREMENT SECTOR

VOLUME 2
SPECIAL REQUIREMENTS FOR ACCREDITATION BODIES
FOR FIELD SAMPLING AND MEASUREMENT

The Standard
Approved Dec 1, 2007

8/4/14 5

<h3 style="margin: 0;">The 2009 TNI Standard and Mobile Laboratories</h3> <p>Field Sampling and Measurement Sector</p> <p><i>Volume 1, Section 1.1: This International Standard specifies the general requirements for the competence to carry out tests and/or calibrations, including sampling.</i></p> <p><i>Volume 2, Section 1.0: This TNI standard includes requirements applicable to Accreditation Bodies (AB) engaged in accrediting field sampling and measurement organizations.</i></p>	<p>Environmental Laboratory Sector</p> <p>No equivalent section addressing sampling activity as part of accreditation activity</p>
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8/4/14 6

The 2009 TNI Standard and Mobile Laboratories

<p>Field Sampling and Measurement Sector</p> <p>Volume 1, (2007, Revision 0.1), Section 4.1.3: (Same)</p> <p><u>The management system shall cover work carried out in the laboratory's permanent facilities, at sites away from its permanent facilities, or in associated temporary or mobile facilities.</u></p>	<p>Environmental Laboratory Sector</p> <p>Volume 1, Module 2, Section 4.1.3: (Same)</p> <p><u>The management system shall cover work carried out in the laboratory's permanent facilities, at sites away from its permanent facilities, or in associated temporary or mobile facilities.</u></p>
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8/4/147

The 2009 TNI Standard and Mobile Laboratories

<p>Field Sampling and Measurement Sector</p> <p>Volume 1, Section 5.7: incorporates by reference the first three subsections of ISO 17025:2005:E. (See →)</p> <p>Volume 1, Section 5.7.4: <u>The FSMO shall document the sampling subject, location and time sufficiently to allow data users to determine whether the sample represents the same subject as other samples or measurements from the vicinity, as described in Clause 5.1.3.</u></p> <p>Volume 1, Section 5.7.5: <u>The FSMO shall document the methods and equipment used to collect a sample or complete a measurement, as described in Clauses 5.4.2.1, 5.5.4.1 and 5.5.6.1.</u></p>	<p>Environmental Laboratory Sector</p> <p>Volume 1, Module 2, Section 5.7.1: <u>The laboratory shall have a sampling plan and procedures for sampling when it carries out sampling of substances, materials, or products for subsequent testing or calibration. The sampling plan as well as the sampling procedure shall be available at the location where the sampling is undertaken. Sampling plans shall, whenever reasonable, be based on appropriate statistical methods. The sampling process shall address the factors to be controlled to ensure the validity of the test and calibration results.</u></p> <p>Note 1: <u>Sampling is a defined procedure whereby a part of a substance, material or product is taken to provide for testing or calibration of a representative sample of the whole. Sampling may also be required by the appropriate specification for which the substance, material or product is to be tested or calibrated. In certain cases (e.g., forensic analysis), the sample may not be representative, but is determined by availability.</u></p> <p>Note 2: <u>Sampling procedures should describe the selection, sampling plan, withdrawal and preparation of a sample or samples from a substance, material or product to yield the required information.</u></p>
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8/4/148

The 2009 TNI Standard and Mobile Laboratories

<p>Field Sampling and Measurement Sector</p> <p>Volume 1, Section 5.7: incorporates by reference the first three subsections of ISO 17025:2005:E.</p> <p>Volume 1, Section 5.7.4: <u>The FSMO shall document the sampling subject, location and time sufficiently to allow data users to determine whether the sample represents the same subject as other samples or measurements from the vicinity, as described in Clause 5.1.3.</u></p> <p>Volume 1, Section 5.7.5: <u>The FSMO shall document the methods and equipment used to collect a sample or complete a measurement, as described in Clauses 5.4.2.1, 5.5.4.1 and 5.5.6.1.</u></p>	<p>Environmental Laboratory Sector</p> <p>Volume 1, Module 2, Section 5.7.2: <u>Where the customer requires deviations, additions, or exclusions from the documented sampling procedure, these shall be recorded in detail with the appropriate sampling data and shall be included in all documents containing test and/or calibration results, and shall be communicated to the appropriate personnel.</u></p> <p>Section 5.7.3: <u>The laboratory shall have procedures for recording relevant data and operations relating to sampling that forms part of the testing or calibration that is undertaken. These records shall include the sampling procedure used, the identification of the sampler, environmental conditions (if relevant) and diagrams or other equivalent means to identify the sampling location as necessary and, if appropriate, the statistics the sampling procedures are based upon.</u></p> <p>Section 5.7.4: <u>Additional requirements</u></p> <p>A. <u>Documentation shall include the date and time of sampling</u></p> <p>B. <u>Any deviations from sampling procedures shall be documented.</u></p>
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8/4/149

The 2009 TNI Standard and Mobile Laboratories

<p>Field Sampling and Measurement Sector</p> <p>No equivalent section</p>	<p>Environmental Laboratory Sector</p> <p>Volume 1, Module 2, Section 3.1: Additional Terms and Definitions</p> <p>Mobile Laboratory: <u>A portable enclosed structure with necessary and appropriate accommodation and environmental conditions for a laboratory, within which testing is performed by analysts. Examples include but are not limited to trailers, vans, and skid-mounted structures configured to house testing equipment and personnel.</u></p>
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8/4/1410

The 2009 TNI Standard and Mobile Laboratories

<p>Field Sampling and Measurement Sector</p> <p>Equivalent ISO Requirement (Volume 2, Clause 3.10), but the note does not specifically address mobile laboratories:</p> <p>NOTE 2: <u>This TNI Standard is concerned with conformity assessment bodies commonly known as field sampling and measurement organizations.</u></p>	<p>Environmental Laboratory Sector</p> <p>Volume 2, Module 1, Section 3.10: Terms and Definitions:</p> <p>Conformity Assessment Body (CAB): <u>Body that performs conformity assessment services and that can be the object of accreditation.</u></p> <p>NOTE: <u>This module is concerned with conformity assessment bodies (CAB) commonly known as laboratories providing services in a fixed or mobile setting.</u></p>
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8/4/1411

The 2009 TNI Standard and Mobile Laboratories

<p>Field Sampling and Measurement Sector</p> <p>No equivalent note mentioning mobile settings in Volume 2, Section 3.10 (see also ISO 17011:2004:E).</p>	<p>Environmental Laboratory Sector</p> <p>Volume 2, Module 3, Section 3.10: Terms and Definitions:</p> <p>Conformity Assessment Body (CAB): <u>Body that performs conformity assessment services and that can be the object of accreditation.</u></p> <p>NOTE: <u>This module is concerned with conformity assessment bodies (CAB) commonly known as laboratories providing services in a fixed or mobile setting. The onsite assessment of field sampling and measurement organizations is detailed in "TNI Field Sampling and Measurement Organization Sector, Volume 2"</u></p>
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8/4/1412

The 2009 TNI Standard and Mobile Laboratories

<p>Field Sampling and Measurement Sector</p> <p>Volume 2, (2007, Revision 0.1), Section 7.1.1.2.c: <i>The accreditation body shall determine whether a FSMO qualifies for an umbrella accreditation or for an individual accreditation, taking into account the presence or absence of a common management system, ownership/management, technical oversight, and scope of accreditation as detailed in the FSMO accreditation application.</i></p> <p>NOTE 1: <i>FSMO activities, whether from a fixed or mobile base, that encompass multiple field sampling and measurement locations, do not require separate accreditations.</i></p> <p>NOTE 2: <i>A mobile sampling and measurement unit, operating under the FSMO management system, does not require a separate accreditation.</i></p>	<p>Environmental Laboratory Sector</p> <p>No equivalent requirement</p>
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8/4/14 13

The 2009 TNI Standard and Mobile Laboratories

<p>Field Sampling and Measurement Sector</p> <p>Volume 2, (2007, Revision 0.1), Section 7.2.1.1: <i>An accreditation body shall require a FSMO seeking accreditation to complete and submit a formal application package to the accreditation body to include</i></p> <p>g: <i>a description of the FSMO type (for example....mobile...)</i></p> <p>j: <i>a summary of mobile units, listed by function, that are integral to field sampling and measurement activities and are employed by the FSMO facilities being considered for accreditation</i></p>	<p>Environmental Laboratory Sector</p> <ul style="list-style-type: none"> • No equivalent requirement
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8/4/14 14

The 2009 TNI Standard and Mobile Laboratories

<p>Field Sampling and Measurement Sector</p> <p>Equivalent ISO requirement (Volume 2, Clause 7.5.7), but the note does not specifically address mobile laboratories:</p> <p>NOTE: <i>Key activities include: policy formulation, process and/or procedure development and, as appropriate, contract review, planning conformity assessments, review, approval and decision on the results of conformity assessments.</i></p>	<p>Environmental Laboratory Sector</p> <p>Volume 2, Module 3, Section 6.3.6: <i>For initial assessments, in addition to visiting the main or head office, visits shall be made to all other premises of the CAB from which one or more key activities are performed and which are covered by the scope of accreditation.</i></p> <p>NOTE 2: <i>Each fixed-base branch or subsidiary of a CAB with multiple locations is customarily accredited separately by accreditation bodies and requires separate initial assessments. Mobile facilities of fixed-base CABs or mobile facilities not directed by or attached to a fixed-base CAB may be required to maintain distinct accreditations by different accreditation bodies and may require separate initial assessments.</i></p>
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8/4/14 15

The 2009 TNI Standard and Mobile Laboratories

<p>Field Sampling and Measurement Sector</p> <p>Equivalent ISO requirement (Volume 2, Clause 7.5.8), but does not specifically address mobile laboratories in a note.</p>	<p>Environmental Laboratory Sector</p> <p>Volume 2, Module 3, Section 6.3.7: <i>For surveillance and reassessment, where the CAB works from various premises, the accreditation body shall establish procedures for sampling to ensure proper assessment. All premises from which one or more key activities are performed should be assessed within a defined timeframe.</i></p> <p>NOTE: <i>Each fixed-base branch or subsidiary of a CAB with multiple locations is customarily accredited separately by accreditation bodies and requires separate surveillance and reassessments. Mobile facilities of fixed-base CABs or mobile facilities not directed by or attached to a fixed-base CAB may be required to maintain distinct accreditations by different accreditation bodies and may require separate surveillance and reassessments</i></p>
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8/4/14 16

Differences Summary

- The Environmental Laboratory Sector definition of Conformity Assessment Body includes mobile laboratories. The Field Sampling and Measurement sector states the management system work carried out in or away from the (FSMO's) permanent facilities, or in associated temporary or mobile facilities.
- The accreditation and assessment requirements for FSMOs and Mobile labs are similar with the major difference being FSMO standard allows for umbrella and not facility by facility or mobile lab by mobile lab accreditation.

8/4/14 17

Differences Summary (cont.)

- Unlike the Laboratory Sector, the FSMO Sector applies to measurements and sampling with equipment operated by attending staff, as well as to measurements and sampling discretely, continuously or at intervals by unattended equipment
- The FSMO sector does not prescribe a specific frequency for proficiency testing, like the laboratory sector which includes the frequency for proficiency testing.

8/4/14 18

Compare and contrast the state requirements.....

State Accreditation Requirements and Mobile Laboratories



8/4/14 19

State Accreditation Requirements

- Laboratories operating within a state must obtain separate primary accreditation (Florida, New York, Kansas)
- Laboratories operating within a State may apply for secondary accreditation (Louisiana DEQ)
- Laboratories obtaining samples from a state must obtain separate accreditation from that State (Florida)

8/4/14 20

Subcommittee Observation

If the majority of states are requiring primary accreditation for each laboratory "unit", there is no national accreditation program for mobile laboratories

8/4/14 21

Compare and Contrast Mobile Laboratory Definitions Used by ABs

- Mobile laboratories are transportable, fully operational testing facilities that are frequently moved to different sites and are capable of maintaining a separate accreditation from any main facility—(American Association of State Highway and Transportation Officials (AASHTO))
- Mobile laboratory—any facility that analyzes environmental samples and that seeks accreditation by the Department that is capable of moving or being moved from one site to another—(Louisiana Administrative Code, Title 33 Part I, Subpart 3 Section 4503.A)

8/4/14 22

Subcommittee Observation

A mobile laboratory is: A person/body performing...

- 1) Sample Collection (no physical structure yet in the field),
- 2) Sample Collection in a van or enclosure (e.g. non-permanent building or shed),
- 3) Sample Testing (no physical structure yet in the field),
- 4) Robot/ Person / Body performing sample testing in a trailer or other mobile enclosure,
- 5) Person / Body performing sample collection and sample testing (no physical structure yet in the field),
- 6) Person / Body performing sample collection, sample preparation and sample testing in a van or enclosure (e.g. non-permanent building or shed), or
- 7) Robot / Person/ Body performing sample collection, sample preparation and sample testing in a trailer or other mobile enclosure.

8/4/14 23

Subcommittee Observation

Tracking mobile lab accreditation by a vehicle id number or license tag (the enclosure) may not be helpful, if field services are provided independent of an enclosure

8/4/14 24


Differences Between NELAP Accredited Fixed Base & Mobile Labs as Applied by Many States

Fixed Base Lab Comprising One Quality System	Mobile Lab Comprising One Quality System
<ul style="list-style-type: none">• With secondary accreditation, the fixed base lab can receive samples from any NELAP State• The fixed base lab can operate in multiple rooms or building, using one address, under the same accreditation.• The fixed lab must pass 2 PTs annually for each technology/method on one instrument• Fixed based labs granted secondary accreditation are not subject to an assessment	<ul style="list-style-type: none">• The mobile lab can only operate in its primary state(s). No secondary accreditation is offered.• The home base needs primary accreditation for each mobile lab.• The mobile lab must pass 2 PTs annually for each technology/method on each instrument• Mobile labs are subject by each primary accreditation body to an assessment

8/4/14 25

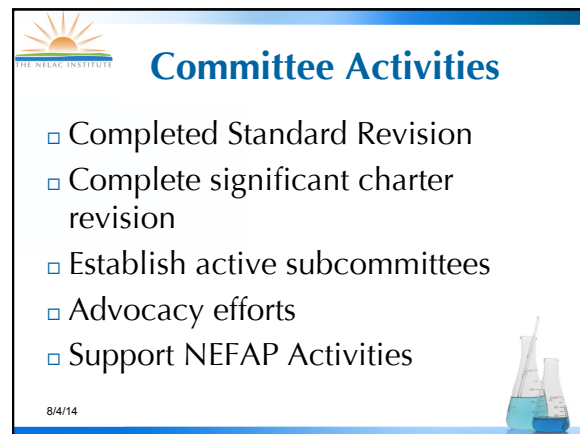
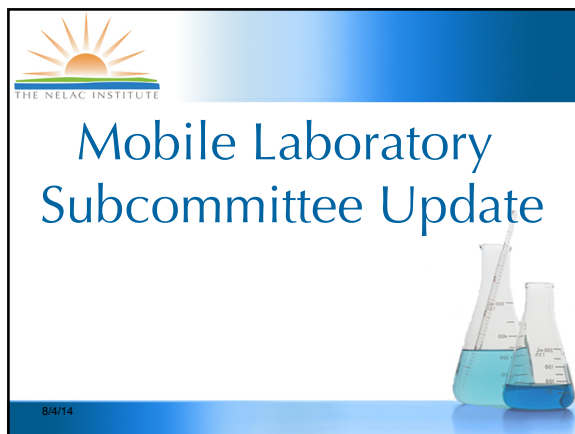
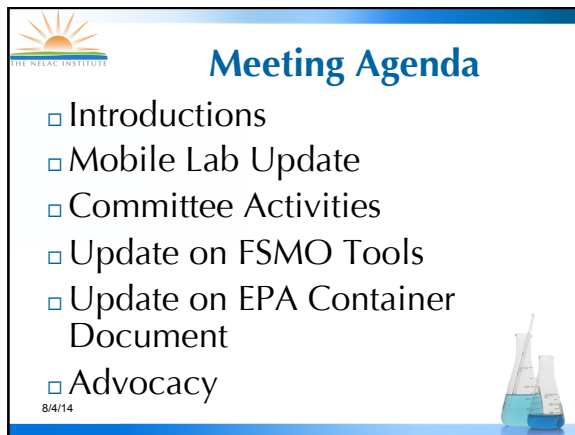
Questions?

Please direct inquiries to Paul Bergeron, Chair, NEFAP Mobile Laboratory Subcommittee at paul.bergeron@la.gov or call 225-219-3247



Department of Environmental Quality Laboratory
1209

8/4/14 26






2014 Standard

- Process began in late 2011
- Published Working Draft in August '12
- Published Voting Draft in December '12
- Sent to Standard Review Council in Fall '13
- Voted to approve final version on January 29th, 2014
- NEFAP EC Approved and established implementation date of April 1, 2016




8/4/14




Charter Revision

- Original charter developed prior to development of NEFAP EC
- Significant crossover with EC, potential for confusion in responsibility
- Revise goals and objectives
- Updated success measures




8/4/14




FSMO 'Tools' Subcommittee Update

- Completed "Priority Elements for FSMO" document
- In later stages of completing "Overview of Accreditation Process for FSMOs"
- Will publish documents together
- Seeking feedback on what other tools would be beneficial to FSMOs




8/4/14




EPA Container Document Subcommittee Update

- Request to review EPA document 9240.0-05A – "Specifications and Guidance for Contaminant Free Sample Containers"
- FAC to take the lead
- Subcommittee of many stakeholders – Need Help!
- Recommendation for action/non-action
- Approval from Board needed for any action taken




8/4/14



Advocacy Efforts

- "Stock" presentation available
- White Paper Available
- Brochures
- Seeking opportunities
 - Conferences
 - Publications
 - Organizational presentations



8/4/14



NEFAP Program

- The following is an alphabetical listing of the accredited FSMO's in our industry.
 - **Beacon Environmental Services, Inc.**
 - **Continental Analytical Services, Inc.**
 - **Microbac Laboratories, Inc. - Erie Division**
 - **Microbac Laboratories, Inc., Baltimore Division**
 - **Microbac Laboratories, South Carolina Division**
 - **Stone Environmental, Inc.**



8/4/14



Scopes of Accreditation



8/4/14

Accreditation is granted to the facility to perform the following field sampling:

FIELD OF SAMPLING/TEST	ITEMS, MATERIALS OR PRODUCTS SAMPLED/TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Groundwater Sampling-Waterloo Profiling	Groundwater	NA	SEI-SOP-6.43.3 Groundwater Profiling and K-Pro Testing	NA
Troll 9000/9500-Multiparameter Water Quality Sonde		pH, Temperature, Specific Conductance, ORP, Dissolved Oxygen	SEI-SOP-5.25.1 Use, Maintenance, and Calibration of the Multiparameter Troll 9000 and 9500	Physiochemicals to support Waterloo and MIP field work
Hydrolab MS5-Multiparameter Water Quality Sonde			SEI-SOP-5.27.1 Use, Maintenance, and Calibration of the Hydrolab MS5 Water Quality Multiprobes	
YSI 699x1-Multiparameter Water Quality Sonde			SEI-SOP-5.30.2 Use, Calibration and Maintenance of the YSI Model 699x1 Multiparameter Water Quality Monitoring System	
Membrane Interface Probe (MIP)	Subsurface	Organics	SEI-SOP-10.12.2 Use, Calibration, and Maintenance of the Membrane Interface Probe (MIP)	NA

8/4/14

Accreditation is granted to the facility to perform the following field sampling:

FIELD OF SAMPLING/TEST	ITEMS, MATERIALS OR PRODUCTS SAMPLED/TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Groundwater Sampling (SOP # FS-7) Field Sampling Procedure Manual	Groundwater	pH	SOP # FS-05	0 std pH Units to 14 std pH Units
		Temp	SOP # FS-03	0 °C to 100 °C
		Conductivity	SOP # FS-04	0 umhos/cm to 1 999 umhos/cm
		ORP	SOP # FS-06	-999 mV to 999 mV
		Residual Chlorine	SOP # FS-11	0 mg/L to 2 mg/L
		Dissolved Oxygen	SOP # FS-16	0 mg/L to 2 mg/L
Surface Water (SOP #FS-09)	Surface Water	pH	SOP # FS-05	0 std pH Units to 14 std pH Units
		Temp	SOP # FS-03	0 °C to 100 °C
		Conductivity	SOP # FS-04	0 umhos/cm to 1 999 umhos/cm
		ORP	SOP # FS-06	-999 mV to 999 mV
		Residual Chlorine	SOP # FS-11	0 mg/L to 2 mg/L
		Dissolved Oxygen	SOP # FS-16	0 mg/L to 2 mg/L
Grab Sample from Tap or Faucet (SOP # FS-10)	Grab Water	pH	SOP # FS-05	0 std pH Units to 14 std pH Units
		Temp	SOP # FS-03	0 °C to 100 °C
		Conductivity	SOP # FS-04	0 umhos/cm to 1 999 umhos/cm
		ORP	SOP # FS-06	-999 mV to 999 mV
		Residual Chlorine	SOP # FS-11	0 mg/L to 2 mg/L
		Dissolved Oxygen	SOP # FS-16	0 mg/L to 2 mg/L

8/4/14

Accreditation is granted to the facility to perform the following field sampling:

FIELD OF SAMPLING/TEST	ITEMS, MATERIALS OR PRODUCTS SAMPLED/TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED
Passive Soil Gas Sampling	Air	Organics	Beacon SOP 10 - Collection and Return Shipment of Passive Soil Gas Samplers SOP 1 PSG Sampler Manufacturing SOP 4 PSG Sampler Shipment
Passive Indoor/Ambient Air Sampling	Air	Organics	Beacon SOP 11 - Passive Diffusion Samplers with Sorbent Tubes SOP 6 Sorbent Tube Shipment SOP 16 Sorbent Tube Preparation
Soil Gas and Indoor/Ambient Air Sampling with Pumps	Air	Organics	EPA Method TO-17

8/4/14

In addition, in recognition of the successful completion of the A2LA evaluation process, including an evaluation of the organization's compliance with The NELAC Institute Field Sampling and Measurement Organization Volume 1 (TNI FSMO V1 2007 Rev 0.1), accreditation is granted to this organization to perform recognized methods using the following testing technologies and in the analyte categories identified below:

Technology: XRF

Sampling:

Matrix	Equipment	Procedure
Paint Chips	N/A	HUD Guidelines for the Evaluation and Control of Lead-based Paint Hazards in Housing, Chapter 7, Lead-Based Paint Inspection, Appendix 13.2
Soil	N/A	HUD Guidelines for the Evaluation and Control of Lead-based Paint Hazards in Housing, Chapter 7, Lead-Based Paint Inspection, Appendix 13.3
Dust Wipes	N/A	HUD Guidelines for the Evaluation and Control of Lead-based Paint Hazards in Housing, Chapter 7, Lead-Based Paint Inspection, Appendix 13.1
Air	Sampling pump	NIOSH Method 7300

8/4/14

FIELD SAMPLING AND MEASUREMENT ORGANIZATION

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FSMO Type: Commercial

Mobile Units: Microbac vehicles driven to client sites


Sampling:

Matrix	Equipment	Procedure
Non-Potable Water	Time and flow proportional compositors, bailers	Field-007 Field-003
Ground water / Monitoring wells	Bailers, peristaltic pumps, submersible pumps	Field-008 Field-003
Drinking Water	N/A	Field-021 Field-003

Measurement:

Parameter/Analyte	Potable Water	Nonpotable Water	Aqueous Hazardous Waste	Solid Hazardous Waste
pH	SM 4500H-B**	SM 4500H-B**	EPA 9040B SM 4500H-B**	EPA 9040B EPA 9045C
Specific conductance	SM 2510B	EPA 120.1 EPA 9050A	EPA 120.1 EPA 9050A	EPA 9050A
Residual Chlorine	SM 4500 Cl G**	SM 4500 Cl G**	-----	SM 4500 Cl G**

8/4/14



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FSMO Type: Commercial

Mobile Units: Microbac vehicles driven to customer sites.


Technology: Wet Chemistry – Titration, Meters, Thermometers

Measurement:

Parameter/Analyte	Potable Water	Nonpotable Water
Chlorine (residual)	SM 4500-Cl G	SM 4500-Cl G
pH	SM 4500-H+ B	SM 4500-H+ B
Specific conductance	SM 2510B	SM 2510B
Temperature	SM 2550B	SM 2550B




8/4/14




NEFAP Program

- Continue advocacy efforts
- Generate interest among FSMOs and Users
- Refer to TNI and Accreditation Body websites for more information



8/4/14



Questions or Comments?



8/4/14





8/4/14