

**National Work Group on Leak Detection Evaluations (NWGLDE) Meeting
Atlanta, Georgia, March, 19-21, 2008**

WEDNESDAY, March 19, 2008

A complete list of meeting attendees for the sessions is included at the end of these minutes.

ANNOUNCEMENTS

- Scott Bacon announced that he is moving to the UST vapor recovery program in California and may have to leave the work group. However, he will be discussing the benefits of staying on with the work group with his new supervisor when he returns to the office, and will let us know if he is able to stay on the work group or not.

WELCOME VISITORS

- No visitors attended

TEAM UPDATES

ATG TEAM – Jon Reeder

- Veeder-Root has a new ATG console, the TLS 450. Add the TLS 450 to the existing Veeder-Root listings. Evaluation was done using the “comparison” protocol.

AST TEAM– Jon Reeder

- No activity to report.

CITLDS TEAM – Shaheer Muhanna

- No activity to report.

NVTTT TEAM – Helen Robbins

- MESA Engineering Listing, add New Water Sensor
- Leak Detection Technology Listing, under review and is similar to Praxair Tracer Technology.

LLD TEAM – Greg Bareta

- Masstech Line ML3P Procedure is being reviewed. Pending approval after conversation with Kevin O’Hearn of Leighton O’Brien.
- Veeder-Root PLLD. The TLS 350 to 450 Transition request came in.
- Tanknology TLD-1 for Line Testing Pipelines came in. Table of line test methods needs to change from 50 to 172 gallons on web; had been previously changed on the individual certification page, but never updated on Table of Line Test Methods. Updated evaluation of TLD-1 for flex piping changed pipeline capacity from 50 gallons to 119.4 gallons.
- Franklin Fueling Systems. Enhancement to existing ELLD Leak Detection Method came in and is under review.

SIR TEAM – Lamar Bradley

- Fuel Manager SIR 1.5 from Victorian Automobile Chamber of Commerce of Australia. Under review and waiting for requested information to come in.

INTERSTITIAL MONITORING METHODS TEAM – Tim Smith

- Reviews on several listings on hold due to failure to receive requested information. If nothing comes in soon all pending listings will be purged from the list.
- Category Name Changes: Ameron, Containment Solutions, Inc. & Western Fiberglass, Inc.. Changed Continuous Interstitial Line Method (Liquid Filled) to Continuous Interstitial Monitoring Method (Liquid Filled).
- Completed review of the evaluation of Western Fiberglass, Inc. Pressurized Reservoirs for Monitoring Double-Walled Pipelines – With Pressurized Interstitial Space. Western Fiberglass, Inc. requested that the information in its latest report be incorporated into its 2004 report. The company wanted to show its monitoring system as both a pressurized and non-pressurized system. The company provided an additional evaluation of its system to validate that it can be operated under a set pressure.
- Based upon additional information sent by Xerxes, the team kept the “Xerxes Trucheck Hydrostatic Monitoring System” listing under the category “Interstitial Tank Tightness Test Method”. However, we added the same system to the “Continuous Interstitial Monitoring Method (Liquid Phase)” category to identify it as a continuous monitoring system.
- Two Permalert Listings have arrived (the PAL-AT Models and the Liquid Watch System) and are under review. It appears that the test results for both listings are identical. Waiting for response as to why?
- Changed company name: Sequence Controls, Inc. to AT Monitors.
- Tyco Thermal Control LLC’s LS-3 Sensor Listing still under review. Company is expected to supply additional information for a more comprehensive listing. Based upon current evaluation provided, the listing results would be limited to saltwater, motor oil and oil-salt water mixture.

- Revised Steel Tank Institute's (STI) "Permatank Interstitial Vacuum Monitor Liquid Leaks" listing. It was removed from the "Continuous Interstitial Tank System Monitoring Method" category and placed into the "Interstitial Tank Tightness Test Method" category. The listing was incorrectly categorized as a continuous method even though distinct times are listed and required to conduct appropriate tests. The IMOTDM Team has coordinated this revision with STI. The company has been made aware of NWGLDE's requirements to identify the method as "continuous" according to the group's definition. At a minimum, the establishment of a refresher rate is required to be stated upon depletion of pressure in the interstice.
- Madison Switches listing under review. Expecting information to come but have not received anything yet.
- Krueger Century Gage Co.. Submitted listing for Krueger at a Glance Leak Gage – Interstitial Monitor for AST's but have submitted for approval for UST's.

SECONDARY CONTAINMENT TESTING METHODS TEAM – Scott Bacon

- No activity to report.

LIST ADMINISTRATION TEAM – Curt Johnson

- No activity to report.

WEB SITE ADMINISTRATION – Jon Reeder

- No activity to report.

REVIEW OF TEAM ASSIGNMENTS

If Scott Bacon stays on the work group, the team assignments will stay as is. If he leaves the work group, the following team assignments will immediately become effective.

ATG, VTTT – Jon Reeder (Leader), Lamar Bradley

CITLDS – Shaheer Muhanna (Leader), Helen Robbins

NVTTT – Helen Robbins (Leader), Shaheer Muhanna

IM & Out of Tank – Tim Smith (Leader), Shaheer Muhanna, Lamar Bradley, Peter Rollo, Bill Moore

LINE LEAK DETECTION – Greg Bareta (Leader), Bill Moore

SIR – Lamar Bradley (Leader), Jon Reeder

AST – Jon Reeder (Leader), Greg Bareta, Peter Rollo

SECONDARY CONTAINMENT – Jon Reeder (Leader), Shaheer Muhanna, Tim Smith, Bill Moore

ADMINISTRATION – Curt Johnson (Leader), Jon Reeder, Helen Robbins

PROTOCOLS UNDER REVIEW

- E85 Protocol & Ethanol Addendum written by Jon Reeder & Lamar Bradley. Not to be considered the final product but will be under continuous review as new information and data becomes available. Issues – Don't want to ruin large quantities of E85. Want to start with small scale testing with limited testing on a large tank. Use the smaller tank to test for water but, in a larger tank, add E85 to E85 until the upper float moves. Using the top float to detect water requires too much down time to be practical for it to detect a rise in the top float. So far we have not received any public comment.
- EPA Protocols, Tim Smith. EPA's R&D Office is looking into leak detection methods for alternative fuels i.e. water sensors for ATGs. If needed they will address these issues via protocol updates. The work group would peer review the revised protocols before final approval. It was suggested that if EPA revises protocols they should consider making some type of real world fielding test part of the revised protocols.

NEW BUSINESS

- Tracer Testing using the NVTTC Protocol, Scott Bacon. The protocol is poorly written to assess this technology i.e. does not address backfill testing. Tracer utilizes the interstitial space for leak detection but is identified as an exception to the protocol.
- Letter from vendor about protocols, Scott Bacon. Vendor has identified shortcomings in existing protocols whereby some leak detection equipment may not be as stringently evaluated as others. Vendor was assured that everyone is treated the same when the work group reviews new listings.

End of Wednesday Meeting

THURSDAY, March 20, 2008

WELCOME VISITORS

The group welcomed visitors/presenters and they were asked to sign in.

VENDOR PRESENTATIONS

France Teleconference w/ Dr. Bridges – MassTech Listing under review by Greg Baretta and Bill Moore.

A Video Conference was held with Dr. Brooks of MassTech to address questions brought up by work group members and others in attendance regarding testing specifics of this method currently under review by the work group.

Kevin Keegan – Tanknology

Wanted to address work group regarding testing company and technician certification/competency and regular certification of leak detection testing equipment. This is not part of the group mission but let him speak. Wants to add language to the listings requiring testers to be certified competent and to be sure testers are following manufacturers specifications when performing tests.

Ken Wilcox – Ken Wilcox Associates

Ken provided comments to our E85 protocol. He handed out his written comments to group members.

Steven Purpora – Purpora Engineering LLC.

He wanted to address the group about high volume trucks stops. Again this is not part of the work mission but we allowed him to speak. Issues: Some truck stops have lines of multiple materials in some locations which create testing problems. Poor truck stop design has lead to many large scale releases.

Wants to create a task force to collect data to address these issues. Wants to work with workgroup member states to gather information from operating facilities.

End of Presentations

Discussion of Presentations

- Mass Tech International Listing: Applicability – Remove #6 oil, solvents and waste oil from draft listing. ML3P Line Leak Detector Method was discussed and revised. Under Line Tightness Test Method, specification – remove vacuum testing from listing (-1.5 to -3.0 psi) and add: A complete test consists of a test at 0 psi and at a pressure or pressures between 7 and 22 psi.
- E85 Protocol: Need to do a test with full size probe with a tank large enough to accommodate it. We discussed Ken’s comments. Next Steps: Ken and others can continue to comment on our protocol or others are welcome to develop a new one for our review. It is up to industry to take the next step.

New Business

- Discuss “Clay” statement on Tracer NVTTC data sheets, Scott Bacon: MD Leak Enhanced Leak Detection Method, Leak Detection Technologies, LLC. If the tank is buried in clay the clay may plug a hole so the method would not detect a leak or would the tracer move through the clay. Discussed the problem and the group decided to edit the listing to remove the “Clay” statement for consistency.
- Discuss interstitial communication, Scott Bacon: Something to think about, i.e. the Petrofuse Secondary Containment Method. No communication verification in the 3rd party evaluation. How do we evaluate it? Do these systems (tanks) i.e. Permatank actually have communication through the entire interstice or are there dead spots?
- NWGLDE Logo, Curt Johnson: Do we let manufacturers of listed equipment use our logo? Tim motioned to “change wording on logo i.e. add “Listed by” on logo and allow vendor to put into their literature”. The motion was seconded by Helen. Vote was taken and approved as motioned 5-4 in favor of allowing the use of our altered logo. Scott will work on revising the logo and Lamar will work on how vendors are to use the logo i.e. use a disclaimer. When finalized this information will be put on the web.

END OF THURSDAY MEETING

FRIDAY, March 21, 2008

New Business Continued

- Combining qualitative and quantitative protocols, Greg Baretta: It can be done but vendors need to contact us (Team Leader) ahead of time so we can decide how we want to proceed.
- What constitutes a continuous Vacuum Test? Tim Smith & Curt Johnson: STI had a listing showing a continuous vacuum test. The group was informed that this is now a non-issue. The STI listing has been corrected to show the test is not continuous but for a finite period of time.
- Group review of proposed new listings, Shaheer Muhanna: In the past new listings were reviewed by the appropriate team and when approved the team leader would pass it on to Curt for final approval and be put on the web. Concerns were brought up that rather than let the team review and comment on the listing first we are now sending the listing to the entire work group first for comment. Our new review process allows review by the entire group. We will continue with group review. Policy Memo #3 was previously amended to reflect this.
- Discuss trade mark indicators on listings, Scott Bacon: Do we honor the indicators and put on the listing or not? A motion was brought to the group for vote. Motion was seconded by Lamar. The group voted unanimously to no longer use indicators such as SM, TM etc. Policy Memo #3 will be amended to reflect this.

Old Business

NEXT LUSTLINE ARTICLE

Ellen Frye has requested that we break up the sensor article into two articles. Tim and Curt worked together at the end of the fall meeting to come up with an outline. Draft articles are done (Stand Alone vs. ATG Type Systems - Complete Monitoring) and will be sent to Curt for review.

Possible next article: Use of Protocols in our System Evaluations. What are they and what do they do? Where do they come from and what do they mean? How does new technology get evaluated using old "outdated" protocols?

With these articles being written the work group will have several articles available for LUSTLINE.

- File Retention Committee Report, Curt and Lamar – everyone to send files to Curt Johnson if and when they leave the work group. Lamar Bradley will contact John

Kneece and Mike Kadri to get any files they might have. John Kneece mentioned he had everything electronically. Jon Reeder suggested saving all the documentation to CD. Since Greg is now doing what John Kneece was doing he needs any open reviews John Kneece was doing sent to him.

- Policy for listing ATG Consoles, Tim Smith: Currently there are no policies for ATG Consoles. ATG Consoles are not listed separately but as part of a system. This issue is included as part of the sensor article discussing how ATG Consoles are evaluated.
- Other Issues, All: If Scott's resignation is finalized we will put out an ASTSWMO notice looking for a new candidate to replace Scott.
- The next meeting (Fall Meeting 2008) is in Wisconsin Dells, Wisconsin. Greg is going to be our host. Bill Moore is going to take the minutes.

Team Meetings and Adjournment

Meeting Attendees – Wednesday – Friday, March 19-21, 2008

Name	Affiliation	Phone	E-mail
Curt Johnson	ADEM	334-271-7986	cdj@adem.state.al.us
Lamar Bradley	TN UST	615-532-0952	lamar.Bradley@state.tn.us
Shaheer Muhanna	GUST	404-362-2579	shaheer.Muhanna@dnr.state.ga.us
Scott Bacon	CA SWRCB	916-341-5873	bacons@swrcb.ca.gov
Tim Smith	USEPA-HQ	703-603-7158	smith.timr@epa.gov
Jon Reeder	MCEMD	941-742-5980 x1712	jon.reeder@mymanatee.org
Helen Robbins	CT DEP	860-424-3291	helen.robbins@po.state.ct.us
Greg Bareta	WI DCOM	608-267-9795	greg.bareta@wisconsin.gov
Peter Rollo	DE DNREC	302-395-2500	Peter.Rollo@State.de.us
William Moore	Utah DEQ	801-536-4106	BillMoore@utah.gov

Additional Attendees – Thursday, September 27, 2007

Name	Affiliation	Phone	E-mail
Greg Young	Vaporless MFG	928-775-5191	gyoung@vaporless.com
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