

NATIONAL WORK GROUP ON LEAK DETECTION

PUBLIC MINUTES OF SPRING 1998 MEETING

ANAHEIM, CA 4/1-3/98

Curt Johnson called the meeting to order at 1:30 P.M on April 1, 1998.

Work Group members in attendance: Curt Johnson, Mike Kadri, Beth DeHaas, Russ Brauksieck, David Wiley, Edward Olson, Jeff Tobin, Jennifer Bravinder, Shahla Farahnak, and Bill Faggert. Visitors at the Wednesday afternoon session: Robin Mack (South Carolina), Dale Stoudemire (South Carolina), Mike Mulhare (Rhode Island), Paula Jean Therrin (Rhode Island), and Ian Bingham (Arizona).

Curt welcomed new members Ed Olson and Jennifer Bravinda to the Work Group.

Curt then called for reports from the teams.

Liquid Vapor: David. H T Technologies' vacuum bladder evaluation is under review. There have been some inquiries from vendors wanting to get their existing equipment on the list.

Line Leak Detections: Mike. Red Jacket reviews are complete. Veeder Root and Hasstech evaluations are waiting manufacturer input on the specification sheets. Team members have had calls from vendors wanting to get their existing equipment on the list.

Volumetric Tank Tightness Testing: Beth. There has been some preliminary work on large bulk tanks. Otherwise, nothing new.

SIR: Billy, Mike, and Beth.

Tele Data, Warren Rogers, and Entropy recently submitted manifolded evaluations for review.

SIR International: Team is still waiting information.

USTMAN purchased Watson and SIRAS. USTMAN dropped the WATSON name and method.

SIR should report water ingress into a tank as a suspected release.

ATG: Russ

Alert Technologies, Enraf of Belgium, and Incon 0.1 gph and 0.2 gph are under review.

Red Jacket combined ATG and continuous in tank leak detection will be listed on the under review list. Review team has questions that must be addressed before final approval.

Tidel ATG will be taken off the under review section of the list. There has been several information requests with unsatisfactory responses

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L & J Technologies: Waiting for additional information and full third party evaluation.

Three third party minimum product level reports are under review.

Non-Volumetric: Shahla. One evaluation is waiting for vendor response to questions.

Continuous In Tank Leak Detection: Shahla. One evaluation waiting for vendor response.

Curt called for reports on Protocols under review.

Interstitial: David. Spring Technologies vacuum interstitial will be reviewed in a couple weeks.

Pipeline: Jeff. No new protocols.

Volumetric: Beth. There have been several communications on the large AST protocol. It may be listed as an underground method with several limitations.

SIR: Billy. Nothing from KWA on their draft new and improved SIR protocol.

ATG: Russ. Still waiting comments on the manifolded ATG protocol.

Hybrid SIR protocol incorporates inexpensive electronic stick, point of sale software to obtain data, and a modem to send the data to the SIR vendor. Hybrid SIR will be reviewed shortly. Will not list the electronic stick and point of sale equipment separately, but will review and list the combined hybrid SIR as a separate leak detection method.

After much discussion, the teams were rearranged as follows:

<u>TEAM ASSIGNMENT</u>	<u>LEADER</u>	<u>MEMBERS</u>
ATG		
Large Tank ATG	Russ Brauksieck	Beth DeHaas
Volumetric Tank Tightness Testing		Ed Olson
Continuous In Tank Leak Detection	Shahla Farahnak	Jennifer Bravinder Beth DeHaas
Non Volumetric Tank Tightness	Jeff Tobin	Shahla Farahnak
Pipeline Leak Detection Systems	Jeff Tobin	Mike Kadri Ed Olson
SIR	Mike Kadri (Interim)	Jennifer Bravinder David Wiley

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Sensors & Vacuum	David Wiley	Russ Brauksieck
Administration & Surveys	Curt Johnson	David Wiley

The mission statement was revised to add protocol review. The revised mission is:

“Review release detection equipment / procedures evaluations to: Determine if each evaluation was performed in accordance with an acceptable protocol, Assure that the equipment / procedures meet EPA performance standards, Review protocols to assure they meet equivalency standards stated in the EPA standard test procedures, and Make the results of such reviews available to interested parties.”

VENDOR PRESENTATIONS

Visitors during this portion included: John Wilrodt (Ultramar Diamond Shamrock), Cliff Miller (USTMAN), Kevin Widmayer (PERCO Red Jacket), Ron Simmons (Red Jacket), Jarius Flora (Midwest Research Institute - MRI), Robert Hart (Veeder Root), Rich Mariani (Red Jacket), Sam Gordji (SSG Associates), and Howard Dockery (Simmons)

Jerry Flora (MRI) and Bob Hart (Veeder Root) presented a paper on how operating conditions effect “minimum detectable leak” rate.

John Wilrodt with Ultramar Diamond Shamrock gave a presentation on how their convenience stores use the SIR program for leak detection, fuel deliveries, and accounting.

Kevin Widmayer with Red Jacket discussed basic operation requirements of mechanical line leak detectors (MLLD) and ATGs. Exotic blends and additives accelerate the wear on the mechanical components. ATGs require the data set (tank size, tilt, product, etc...) To be accurately determined and properly programmed. Good temperature sensing is also important for ATG accuracy.

After the vendor presentations the Work Group went into a closed meeting business session.

Interstitial Monitors with 0.1 GPH Certification: David said they will be listed as interstitial monitors, not as a tank tightness test method since they do not address all TTT protocol factors (temperature differential, vapor pockets, ground water level, etc...).

ATG and Probe Listing: Specification sheet in the leak list should state the model and series of the probe tested. The evaluation is only valid for that combination of probe and console

Next list will be printed Summer 1998.

Prior Action Items: Curt agreed to go over prior minutes and summarize action items into one concise list for the members. Many prior votes and action items have gotten lost in the paper shuffle.

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ATG Manifolder Protocol: Russ asked us to review and get comments to him by April 17, 1998.

Campo Miller PL 400 is no longer manufactured, has not met the protocol requirements, and therefore, will be removed from the under review section of the list.

We discussed that correspondence should be sent to a specific person within the company and that we must confirm it is the appropriate person before it is sent.

Products will be placed on the "under review" list only if we have received the complete package outlined in Appendix B of the Leak List.

We then discussed the proposed U.C. Davis study on field performance of leak detection devices? We all agreed it should provide important information. Various states will be participating in this study.

Liquid and vapor sensors will be listed on a spread sheet rather than a separate specification sheet for each device. There will be a separate spread sheet for each vendor. Spread sheets will include interstitial and out of tank devices, but not vacuum devices. Vacuum devices will continue to have a separate spec sheet for each device.

We concluded our Thursday session at 5:30 P.M.

Friday session started at 8:00 A.M.

Teams had separate meetings to discuss team business.

Next meeting will be in Minneapolis in mid August, 1998.

Beth volunteered to take notes at next meeting.

Spring 1998 NWGLDE meeting adjourned Friday 4/3/98 at about 10:30 A.M.

Respectfully Submitted by Jeff Tobin