Subject 142 (2080, 2085, 2245)
(In reply, refer to Subject 142) March 14, 2018

SUMMARY OF TOPICS

The following topics were discussed at the meeting of the Standards Technical Panel for Aboveground Storage Tanks And Below Grade Vaults:

1. UL 142 proposals – review and discussion

2. UL 142A comments – review and response development

3. UL 142 reference of UL 2583 Tank Accessories if optionally attached (similar to Canadian ULC Standards CAN/ULC-S661 or CAN/ULC-S663 for SCDs, OPDs, e-vents, n-vents, caps and adapters) – discussion

4. UL 142 formation of TG to develop requirements for >1.0 spg liquids option – discussion

5. UL 142 addition of optional corrosion resistant or fuel quality liners/coatings – discussion

6. UL 2085 and ULC-S655 harmonization – discussion

A meeting of the Standards Technical Panel of UL for Aboveground Storage Tanks And Below Grade Vaults was held on February 14, 2018 at UL's Northbrook Office. The purpose of the meeting was to discuss the items outlined in the agenda and any items that may come up during the meeting.

The purpose of the STP meeting report is to briefly summarize discussions held during the meeting, and to document any resulting outcomes, including planned future action.

CALL TO ORDER, ANNOUNCEMENTS, INTRODUCTION OF MEMBERS, GUESTS, AND OBSERVERS

The STP Chair called the meeting to order and welcomed the STP members and guests. Housekeeping items, such as pace of the meeting, locations of exits and bathrooms, break and lunch times were explained. Then the attendees introduced themselves. An attendance list and roster were circulated for STP members to update their contact information if needed. The Chair outlined the roles of the STP Chair, Project Manager, and voting STP members and then UL's Patent Policy (https://ulstandards.ul.com/develop-standards/stps/ul-patent-policy) and Antitrust Rules (https://ulstandards.ul.com/develop-standards/stps/ul-antitrust-rules/) were reviewed. The Chair stated that attendance at STP meetings are open and not mandatory and recording devices were not allowed. It was further stated that straw polls could be taken during the meeting but only for advancing the agenda and nothing in the standard could be changed at the meeting and all changes must go through the STP process via UL's Collaborative Standard Development System (CSDS). An overview of the process was also presented by the STP Chair.

The current balance of the STP was discussed at the meeting and is shown in the following table:

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Interest Category	Number of Members	Interest Category	Number of Members
Producers	9	Government	1
Testing & Standards Organizations	3	Consumer	0
Supply Chain	4	General Interest	8
AHJs	1	Commercial/Industrial User	1

UL's goal is to have no interest category comprise more than one-third of the STP membership. As such, UL is currently looking for participants in all interest categories except Producer and General Interest. If you have potential candidates, please contact the STP Project Manager, Jeff Prusko, at jeffrey.prusko@ul.com. A definition of the interest categories is available on the Standards STP application Internet site, located at https://csds.ul.com/STPInfo/Application.aspx.

ADDITIONS OR CORRECTIONS TO THE AGENDA

The Chair asked the STP members and guests for additions and/or corrections to the agenda. There were no corrections or additions to the agenda.

DISCUSSION OF PROPOSALS AND AGENDA TOPICS

Topic numbers and titles correspond to the topic numbers and titles of the STP 142 meeting agenda dated January 25, 2018, which is posted in the STP 142 CSDS meeting work area.

1. UL 142 proposals – review and discussion

DISCUSSION

The rationales and proposals for UL 142, Standard for Steel Aboveground Tanks for Flammable and Combustible Liquids, received as a result of a Call for Proposals and contained in the meeting agenda dated January 25, 2018, were reviewed and final determinations were made with respect to moving the proposals to ballot. Proposals that were moved to ballot will be balloted in the near future. The proposals below are listed in the order they were discussed.

Proposal to revise Figure 6.2 by eliminating joints No. 9 and No. 10: It was stated that these joints are no longer used by industry and are not safe for fast fill connection. It was noted that STP 80, Oil Tanks and Accessories, should be made aware of this proposal. The STP Chair agreed to move this proposal to ballot and set an action item to notify STP 80 at that time.

Proposal to revise Figure 6.3 by deleting the word "secondary" from Joint 8 and adding diameter requirement: The group agreed that the word "secondary" is not needed in the No. 8 graphic. It was stated that there was not a need for a diameter requirement, as height is the problem and not diameter. It was agreed that the proposal be returned to the PR submitter for a modification to add a height limit requirement proposal and then sent for ballot.

Proposal to add paragraph 8.1.3 for reducing emergency vents sizes for secondary containment: It was mentioned that CAN/ULC-S601, Standard for Shop Fabricated Steel Aboveground Horizontal Tanks for Flammable and Combustible Liquids, currently allows for smaller vents on interstitial spaces and the International Fire Code (IFC) does not allow for a reduction of the vent. It was suggested that a task group be formed to evaluate venting and develop requirements that could be put in codes. The Chair concurred with the formation of a task group and asked for volunteers and agreed to oversee the group to ensure it progresses. The members of the task group are listed at the end of the meeting minutes. It was also suggested that this issue be an agenda item for the next National Fire Protection Association (NFPA) meeting.

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Proposal to revise paragraph 8.3 and 8.11 and delete paragraphs 8.8 – 8.10 to address the removal of loosebolt manways from the standards: The group fully supported the proposal stating it is a fuel quality and safety issue and these manways are not suitable for today's industry. The Chair agreed to send the proposal to ballot.

Several proposals to revise paragraph 9.1.1 to address tank diameters, manholes, and type of tank: Three separate proposals to revise 9.1.1 were reviewed and condensed into one proposal, developed during the discussion, and will be sent to ballot.

Proposal to correct typographical error in Table 9.3: An error in Table 9.3 was pointed out and it was agreed the error was a typographical error but the change would still go to ballot.

Proposal to revise the test for rectangular tanks in Section 39.2: It was agreed that the test needed to be revised to address rectangular tank concerns so the proposal will be sent for ballot as a revision to paragraph 39.2.1 a). It was also recommended that this proposal be introduced to the Petroleum Equipment Institute (PEI) and the NFPA for inclusion in their codes and standards.

Proposal to revise Table A3 to include bottom of tank in vertical tank wetted surface area: The revised table showed the expanded calculations and results for including the bottom of tank in vertical tank wetted surface area as it is now required. It was agreed to send the proposal to ballot without modification.

The STP Chair ended the discussion of proposals by giving a general timetable/schedule for the publication of revisions to UL 142 resulting from the proposals that were moved forward to ballot at the meeting. The Chair outlined many different scenarios the proposals may go through before final revisions are published so no specific date could be given at this time but a goal to publish revisions 4 months from the opening of the ballot would be strived for. The Chair pointed out that any new proposals would need to be reviewed and balloted at a different time. The Chair also stated he would look into the communication of effective dates to stakeholders and others involved as it was outside the scope of an STP meeting as are any issues regarding certification.

2. UL 142A comments – review and response development

DISCUSSION

The ballot comment matrix for UL 142A, which is posted in the meeting work area, was displayed on screen for people at the meeting. Responses to the comments were developed at the meeting and the finalized responses are posted in the UL 142A work area dated October 6, 2017. As a result of some of the comments and responses discussed at the meeting, a revised proposal for UL 142A is scheduled for recirculation in the near future.

3. UL 142 reference of UL 2583 Tank Accessories if optionally attached (similar to Canadian ULC Standards CAN/ULC-S661 or CAN/ULC-S663 for SCDs, OPDs, e-vents, n-vents, caps and adapters) – discussion

DISCUSSION

The idea of referencing the Outline of Investigation for Fuel Tank Accessories, UL 2583, in UL 142 was presented to the group and discussed. It was stated that since many tank are shipped with some components, there is confusion as to what the Listed product covers, as they are not addressed in the Standard, and disclaimers have to be added to the UL Guide. Since there are separate Standards for many of these accessories, such as spill containers, overfill protectors, e-vents, p/v vents and fill adapters/caps, shouldn't they be required to improve overall tank safety? It was pointed out that this was recently done with similar ULC Standards. It was suggested that a task group be formed to develop

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