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Minutes of Meeting No. 6
CSA/ICC B805 Joint Technical Committee on Rainwater Collection
System Design and Installation
Tuesday-Wednesday, February 10-11, 2015
 The Listel Hotel, Vancouver, BC, Canada
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Action Items		
No.	Action, Person Responsible	Status, Due Date
AI.6.1	Joe Rogers and Dave Cantrell agreed to review the language used to specify compliance with standards in both countries and return with recommendations on the terms to use when specifying or not specifying third-party certification.	
AI.6.2	Shawn Martin and Paul Gulletson to reorder and reorganize the working draft in accordance with the flow of water through the system from the point of capture to the point of delivery. Staff to work to eliminate redundancies	



	as reflected in the notes. Meeting #6 Working Draft to be distributed to Task Forces for use in the interim.	
AI.6.3	Dave Cantrell to suggest common terms and definitions (as necessary) for system components associated with rainwater harvesting systems to promote consistency.	
AI.6.4	Dave Cantrell to work with the Tanks Sub-group to develop a consolidated set of prescriptive tank provisions to reside in a separate annex.	
AI.6.5	Judy McDonald to obtain chlorine and chlormine thresholds and address contact time.	
AI.6.6	Duncan Ellison to create advisory note for Section 11.1.5 to suggest that some level of pre-treatment occur prior to the tank when there is the potential for elevated water temperatures.	
AI.4.6	Alf Durnie to engage Lye, Ashbolt, Ruben, Health Canada Representative TBD to review the water quality criteria drafted to date.	
AI.5.2	Dave Cantrell to develop first drafts of necessary system component definitions for review.	



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Name	Affiliation	Day 1		Day 2	
		Pres	Abs	Pres	Abs
Voting members					
Alf Durnie (Co-Chair)	Alberta Municipal Affairs, Edmonton, AB	✓		✓	
Philip F. Parisi (Co-Chair)	Jaros Baum & Bolles Consulting Engineers, New York, NY	✓		✓	
Dave Cantrell	Public Health-Seattle & King County, Seattle, WA	✓		✓	
Justin DeWitt	Illinois Department of Public Health, Springfield, IL	✓T			✓
Russell Jackson	RainHarvest Systems, Cumming, GA	✓		✓	
Robert M. O'Donnell	Aquanomix, LLC, Davidson, NC	✓		✓	
Doug Pushard	HarvestH2o.com, Santa Fe, NM		✓	✓T	
Nancy Springer	Butte County Dept. of Development Services, Oroville, CA	✓		✓	
Mike Warren	Watertronics, Hartland, WI	✓		✓	
Chris Despins	Credit Valley Conservation, Mississauga, ON		✓		✓
Pieter DeVries	UV Dynamics, London, ON	✓		✓	
Duncan Ellison	Cheffell Associates, Rockland, ON	✓		✓	
Khosrow Farahbakhsh	University of Guelph, Guelph, ON		✓		✓
Judy MacDonald	Health Canada, Ottawa, ON	✓		✓	
Ken Nentwig	Canadian Association for Rainwater Management (CANARM), Victoria, BC	✓		✓	
Joe Rogers	Ontario Ministry of Municipal Affairs and Housing, Toronto, ON	✓T		✓T	
Penh Tov	Interpump Supply Ltd., Fergus, ON	✓T		✓T	
Troy Vassos	Water Treatment Group, Golder Associates Ltd, Burnaby, BC	✓		✓	
	Total Voting Members:	15		15	
Alternates					
Associates					
Nick Ashbolt	University of Alberta, Edmonton, AB		✓		✓
Reuben Butterfield	RHo Solutions, Victoria, BC		✓		✓
Wayne Galliher	City of Guelph, Guelph, ON		✓		✓
Jeffrey M. Hugo	National Fire Sprinkler Association, Essexville, MI		✓	✓	
Glenn MacMillan	Toronto and Region Conservation Authority, Woodbridge, ON		✓		✓
Linda Maley	Atlantis Water Management, Vancouver, BC	✓		✓	



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Zachary May	Ministry of Natural Gas Development & Responsible for Housing, Victoria, BC		✓		✓
Anthony Oosterveld	VIQUA - a Trojan Technologies Company, Guelph, ON		✓		✓
Robert Rubin	North Carolina State University, Pittsboro, NC		✓		✓
Guests					
Dana Schmidt	Steel Tank Institute,		✓		✓
Shawn Strausbaugh	Arlington County, Arlington, VA		✓		✓
CSA/ICC Staff					
Shawn Martin	ICC, Pittsburgh, PA	✓		✓	
Paul Gulletson	CSA Group, Toronto, ON	✓		✓	
Franco DiFolco	CSA Group, Toronto, ON		✓		✓
Vicki Worden	ICC, Maine	✓		✓	

Notes:

(1) *T* indicates participation via teleconference and web conference.

M.6.0 Call to Order

Co-chairs Alf Durnie and Phil Parisi welcomed the committee members and associates and called the meeting to order at 8:35 AM PST. Members introduced themselves and housekeeping comments were made.

M.6.1 Quorum

At the time of this meeting, the Joint Technical Committee (JTC) had 18 voting members;

On day 1, 15 were present at the meeting and therefore minimum quorum requirements (at least 50% of the voting members) were met. A maximum of 15 votes could be cast at the meeting and the minimum number of affirmative votes required for approvals was the greater of:

More than 50% of the voting membership: $1/2 \times 18 = 9 \rightarrow 10$, or
 2/3 of the votes cast: $2/3 \times 15 = 10 \rightarrow 10$ if all votes were cast

On day 2, 15 were present at the meeting and therefore minimum quorum requirements (at least 50% of the voting members) were met. A maximum of 15 votes could be cast at the meeting and the minimum number of affirmative votes required for approvals was the greater of:

More than 50% of the voting membership: $1/2 \times 18 = 9 \rightarrow 10$, or
 2/3 of the votes cast: $2/3 \times 15 = 10 \rightarrow 10$ if all votes were cast

M.6.2. Review and adoption of agenda for the meeting

Duncan Ellison suggested to include time on the agenda to review the draft ISO/TC 282 *Onsite water reuse systems – Part 1: The use of rainwater* standard summarized for the members prior to the meeting. Dave Cantrell moved to adopt the modified agenda for the meeting; Nancy



Springer seconded the motion and it was carried unanimously. A copy of the agenda can be found in Appendix C.

M.6.3 Review and adoption of minutes from Meeting #5

The committee reviewed the minutes from Meeting No. 5 held on December 1, 2014 by teleconference. Penh Tov noted that a modification to her affiliation was required. Dave Cantrell moved to adopt the minutes of Meeting No. 5 with the modification above; Nancy Springer seconded the motion and it was carried unanimously.

M.6.4 Membership review

At the time of this meeting, the JTC matrix was balanced; therefore, the committee could make formal, binding decisions and cast votes. The following table shows the JTC matrix and membership by category:

CSA/ICC B805 JTC Matrix & Membership		
General/Regulatory Interest (G)	Producer Interest (PI)	User Interest (UI)
Min: 6, Max: 6	Min: 6, Max: 6	Min: 6, Max: 6
1) Dave Cantrell	1) Russell Jackson	1) Chris Despins
2) Justin DeWitt	2) Ken Nentwig	2) Duncan Ellison
3) Alf Durnie	3) Robert M. O'Donnell	3) Khosrow Farahbakhsh
4) Judy MacDonald	4) Ms. Penh Tov	4) Philip F. Parisi
5) Joe Rogers	5) Pieter DeVries	5) Doug Pushard
6) Nancy Springer	6) Mike Warren	6) Troy Vassos

M.6.4.1 Membership changes since the last meeting

No membership changes since the last meeting.

M.6.5 Review of Schedule

The co-chairs then led a discussion of the overall project schedule and next meetings. It was agreed that additional time and discussion would be required before the document was suitable for public comment.

- Feb 10-11, 2015: **Meeting #6 (face-to-face)** to develop draft and work on content for Public Review.



- Mar 2015: **Meeting #7** (teleconference) to review new draft content and finalize content for Public Review.
- Apr 2015: Release draft for Public Review and Comment – round 1 (60 days)
- Jun/Jul 2015: **Meeting #8** to review and resolve PR 1 comments
- Aug 2015: Release draft for Public Review and Comment – round 2* (45 days)
- Sep/Oct 2015: **Meeting #9** (teleconference) to review and resolve PR 2 comments
- Nov 2015: Comprehensive edit formatting of the draft by CSA Editorial Services
- Jan 2015: 30-day ballot to approve the standard
- Feb 2015: **Meeting #10** to resolve ballot
- Mar 2015: Draft submitted to CSA Editorial Services for final production
- Apr 2016: Publication

**Note: ICC’s ANSI process requires any changes to the draft to be posted to public review until no further comments are received. It is anticipated that at least two rounds of public review will be required.*

M.6.6 Report on outstanding action items

Shawn Martin provided a brief update on the outstanding action items as reported below.

Outstanding Action Items		
No.	Action, Person Responsible, Report	Status, Due Date
AI.1.7	<p>Seek participants for task forces from stormwater industry, experts (Justin DeWitt – MWRD, Shawn Martin – NOWRA, EPA)</p> <p>Report: Rob Rubin, Bert Van Duin, Neal Shapiro recruited and participating in task forces. Shawn has Justin Dewitt’s report. Chris reached out to some staff at Credit Valley Conservation but no response yet.</p> <p>Report: No responses from these individuals. Ongoing.</p> <p>Report Nov ‘14: Open</p> <p>Report Dec ‘14: No report</p> <p>Report Feb ‘15: Dan Nourian from NDS volunteered to assist in the area of system design for ground-level capture.</p>	Ongoing
AI.3.3	Determine whether it is possible to upload a document to the COA by means of e-mail. (Paul Gulletson)	Complete



	<p>Report Nov '14: Paul is still looking into this. Open</p> <p>Report Dec '14: The system may have this functionality. Paul to investigate further. Open.</p> <p>Report Feb '15: Paul reported that the best way to add documents to the COA is through the web portal and offered to review the process for doing so as needed.</p>	
AI.4.5	<p>All task forces to begin to gather proposed changes to put forth as code changes to the IPC code to align it with the relevant sections in our draft standard</p> <p>Report Dec '14: Open, Ideas for code proposals should be sent to task force chairs no later than February 1, 2015.</p> <p>Report Feb '15: Complete. Code changes were prepared by committee members and submitted by Dave Cantrell on behalf of the committee.</p>	Complete
AI.4.6	<p>Review appropriate indicator organisms for rainwater with water quality experts (e.g. Dennis Lye, Nick Ashbolt, Robert Rubin and Water Quality TF).</p> <p>Report Dec '14: Open</p> <p>Report Feb '15: Alf Durnie to engage the group to review the water quality criteria drafted to date.</p>	Ongoing
AI.5.1	<p>Insert task force draft material into master document and distribute to committee members prior to Meeting 6 for review. (Shawn, Paul)</p> <p>Report Feb '15: Complete. The task force chairs submitted their content and it was incorporated into the master draft and subsequently distributed to members for comment. Members sent commentary back to Shawn and Paul which was compiled for discussion during meeting 6.</p>	Complete
AI.5.2	<p>Research definitions and diagrams to identify key system components - e.g. "distribution" "plumbing" etc. (Judy)</p>	Ongoing



	<p>Report Feb '15: Dave Cantrell volunteered to develop first drafts of necessary system component definitions for review.</p>	
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M.6.7 Scope Review and Key Discussion Points (Chairs)

The chairs provided several points of direction and guidance to govern the work on the draft during the meeting and within the Task Forces.

1. Focus on content. Alf Durnie emphasize the need for committee members and participants to focus on the content of standard, leaving editorial matters and questions of wordsmithing to the staff from ICC and CSA.
2. Use mandatory and enforceable language. Alf emphasized the fact that the result was to be a regulatory document that would be enforceable where adopted. Shawn Martin reminded the committee that the use of terms such as “recommend”, “may”, “might” and “could” should be reserved for non-mandatory sections only.
3. Try not to repeat items already covered in existing code. Alf and Phil noted that the standard should not seek to restate what is already addressed in building, plumbing and other codes. It was agreed, though, that not all jurisdictions will have codes or sufficient codes. The group agreed that where there were critical issues, the document would refer to the International Plumbing Code and the National Plumbing Code of Canada as a baseline.
4. Seek excellence not perfection. Phil urged the participants not to avoid becoming bogged down by seeking perfection. He also encouraged the group to “park” topics during the meeting for later study or work by task groups and staff in order to keep the meeting moving and make the best use of time.
5. No need to address every scenario that could ever occur. Alf reminded the group that they should cover the majority of circumstances, but that it might not be possible to cover all. In that circumstance, engineered systems could be utilized or Alternate Means and Methods provisions in the codes.
6. Avoid the inclusion of requirements in definitions.
7. Be cognizant of the meaning extent of references to outside standards. Alf stated that when addressing an outside standard, the referencing term has an impact on the degree of compliance and certification required. For example, saying that an component must “comply with” a standard would not necessarily mean it must be third-party certified. Whereas saying a component shall be “listed and labelled” to a standard would require third party certification. Joe Rogers noted that the language and requirements differs somewhat between the US and Canada. Joe and Dave Cantrell agreed to review the language used in both countries and return with recommendations on the terms to use when specifying or not specifying third-party certification. In the meantime, Alf suggested that Task Forces use “comply” when third-party certification is not needed. Use “conform” when certification is desired. That can be changed as needed in the future, but will provide consistency for the moment.



The chairs reviewed the scope statement in the document and made slight modifications to the exclusion for process water systems for industrial/manufacturing processes (as shown in the working document). The group reaffirmed the intention to address both non-potable and potable systems utilizing water collected from rooftop and ground-level sources.

The group also took the opportunity to briefly discuss the draft ISO/TC 282 *Onsite water reuse systems – Part 1: The use of rainwater* standard as suggested by Duncan Ellison. Several individuals recommended that the ICC/CSA standard be organized in a similar fashion, following the flow of water from the point of collection to the point of delivery. Discussion followed on the best way to address potable water uses within that structure. In the end, it was agreed that the progression would be revised to follow the flow of water, similar to the flowchart in the ISO standard. The general requirements would be provided with the non-potable use as the default. Where necessary in each section, additional requirements or exceptions for potable systems would be noted.

M.6.8 Brief Updates From Task Forces

Each task force was asked to provide a brief update (10 minutes) on current status: Challenges, structure, resources, roadblocks.

M.6.8.1 Controls Task Force

Mike Warren provided the update on the work of the Controls Task Force in Doug Pushard's absence. Mike indicated that the Task Force had developed a structure for controls material that mimicked the water quality portions of the document. A hierarchy was applied to each chapter, depending on risk. He noted that more structure was needed in task force meetings, and expressed a need for more volunteers, especially to address ozone disinfection systems.

M.6.8.2 Water Quality Task Force

Russ Jackson and Penh Tov updated the group on the work of their Task Force. They reported that they added a prescriptive section based on the feedback received from residential contractors on the need for simpler compliance means for that market segment. They also noted that the water quality parameters for the various sections had been updated based on the best available literature, but required review by water quality experts for validation.

M.6.8.3 System Components Design and Materials and Tanks sub group

Dave Cantrell reported on the work of the System Components Task force and the Tanks Sub-Group. He called attention to the significant changes made by the group to their material. In particular he thanked Dana Schmidt for her substantial work on the tank material. He noted additional work on that material was now needed to form general sections applicable to all tanks and materials to streamline the text.

M.6.8.4 Storage Sizing

Chris Despains was unable to attend, so Paul Gulletson reported that he had been working with Chris to incorporate his latest text into the draft. This material was updated to address the feedback received during the last meeting.



M.6.9 Working Draft Review

The process of document review began at 10:50 AM on Day 1, beginning with Chapter 6. The comments received prior to the meeting were discussed for each section, along with any additional points. Notes regarding specific sections were recorded in the working document, but several significant points of discussion are also described within the minutes as follows:

6.3.1.2 Material Suitability for Potable Systems

The question was raised whether all system components used in potable systems must be certified to NSF 61. After considerable discussion, a straw poll was conducted to determine the consensus of the committee:

Q: Should the following component or subsystem used in a potable rainwater harvesting system be required to be certified to NSF 61?

Component/Subsystem	YES (NSF 61 certification required)	NO (NSF 61 Certification NOT required)
Collection surface	2	11
Conveyance piping	2	11
Storage	10	3

Discussion was also held regarding the application of NSF P151 *Health Effects from Rainwater Catchment Materials Used in Rainwater Catchments Systems*. Concerns were expressed regarding the availability of product certified to the document. It was noted that it is not a full consensus standard, but instead a Testing Protocol. However, it is referenced in Section 707.11.1 of the 2012 International Green Construction Code.

7.1.1 Water end use tiers

The location and text within in the various tiers was revised during discussion. Reversing the action of the last meeting, Tier 2B, was again restricted to Evaporative Cooling (non-potable) given its unique nature. Irrigation in Tier 1 was clarified to include landscape only, not food crops. Irrigation was divided between Tier 1 (subsurface and drip) and Tier 2 (spray and garden). The differentiation was risk of human contact. Risk of human contact that was previously set to “no risk” was revised to “low”. Changes were also made to the location of fire suppression (2A to 1), ice rinks (2A t 3) and pools (3 to 4). “Commercial” was created to take in dust suppression, construction sites, ice roads and the like. “Human consumption” was created to take in drinking, cooking, food preparation, brewing/winemaking and similar.

M.6.10 Progress Review and Day 2 Strategy

After reviewing the progress at the end of Day 1, it was determined that the best use of time would be to continue the review of the working draft and comments, instead of Task Force breakouts (which could be conducted remotely after the meeting). As a result, Task Force Breakouts were removed from the agenda for Day 2. The chairs encouraged the group to focus only on the sections of the document where there were comments and to make every effort to complete a full review during the meeting.



M.6.11 Task Force Breakouts

Removed per M.6.10.

M.6.12 Document Review Day 2

Review of the working draft from M.6.9 continued in M.6.12 for Day 2.

8.2.1 Collection Surfaces

The disposition of clear water wastes from roof-top mounted appliances was the subject of considerable discussion. It was generally agreed that this water should not be collected for use in potable water systems, but discussion on the suitability of the water for use in nonpotable applications. The consensus of the group was that clear water wastes could be collected, but that the term would need to be defined, and measures must be taken to exclude other fluids, such as heat transfer fluids, from the rainwater systems. Several different US and Canadian definitions were provided as a resource.

9.13 Prescriptive Tank Requirements

Dave Cantrell summarized the detailed prescriptive requirements created by the Tank Sub-Group. He suggested that the material be consolidated in order to create a general section applicable to all tank types, with specific sections addressing exceptions and special circumstances associated with certain materials. It was noted that the material represents considerable detail compared with that provided for other system components. Shawn Martin provided the background on the tanks section, noting that B126.1 did not meet the needs of the committee. Therefore the material from 126.1 was used as a starting point to create the draft material. Therefore the group recommended that the detailed tank material be consolidated as described by Cantrell and moved to a separate Annex for citation within the document.

Chapter 10 Controls

Mike Warren provided an updated flowchart showing how the organization could be revised in light of the changes to the usage Tiers from Day 1. There was considerable discussion on the difference between an alarm and alert, and when the system should be shutdown as a result of a fault. Overall, however the feedback of the committee was that the controls provisions should be summarized significantly and made more performance-based. By focusing on the outcome desired, the ability to utilize many different technologies would be preserved.

11.3.2 Output Water Quality Requirements for Alternative Approach

The water quality requirements for the performance compliance approach were discussed, but it was determined that the group present did not have the necessary expertise to assess them. Therefore, Alf Durnie agreed to engage several water quality experts – Dennis Lye, Nick Ashbolt, Bob Rubin and a representative from Health Canada (to be suggested by Judy McDonald) to review the thresholds. Judy also suggested including a column for protozoans and cysts, and discussion on whether enteroviruses should be included.



Detailed notes on the discussions can be found in the Meeting #6 Working Draft, which accompanies this report.

M.6.13 Task Force Assignments

Task Forces were charged with continuing work on their respective sections based on the feedback received during the meeting. Task Forces were reminded that staff would be working with the chairs to reorganize the document as tasked, and that the new working draft would be made available as soon as possible. In the meantime, the groups are to use the Meeting #6 Working Draft, which is to be distributed at the close of the meeting.

M.6.14 Date and Location of Next Meeting

The next committee meeting will be scheduled for mid-late March by teleconference/webinar. Accordingly the Task Forces were requested to submit any new and revised material by March 11.

M.6.15 Closing Remarks and Adjournment

The meeting adjourned at **XX** pm PST.

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Appendix A

Task Force Open Projects



Open Task Force (TF) Projects — CSA/ICC B805 JTC		
Project No. & Title	Task Force (TF) Members	Mandate, Actions, Status
2014 Projects		
<u>RWH-14-01</u> Storage sizing	Chris Despins (Chair) Nancy Springer Joe Rogers Penh Tov Russ Jackson Jeff Hugo Justin Dewitt Doug Pushard	<ul style="list-style-type: none"> • Apr 2014: New project to investigate storage sizing. Include firefighting concerns (see Hawaii, p., 45). Sizing for water storage (short/long term, water efficiency target, fire reserve, etc), sizing for stormwater management (volume target, draw-down rate, mass balance). Yield coefficients. Reliability. • June 2014: Action items: Add day tank sizing, Demand calculations (informative), Tank sizing methodologies (informative), System supply calculation (informative) • August 2014: Action items: Add sizing for firefighter reserve, referencing NFPA standards, add provisions for stormwater treatment/storage. • Nov 2014: No update. • Dec 2014: Chris Despins, who was not in attendance, provided an interim draft in advance. He invited comments and plans to submit text for inclusion in the working draft prior to the next meeting. • Feb 2015: Chris Despins to review sizing material as reflected in the latest working draft.
<u>RWH-14-02</u> Water quality (source and output)	Russ Jackson (Co-chair) Penh Tov (Co-chair) Mike Warren Rob O'Donnell Pieter Devries Chris Despins Judy MacDonald Dave Cantrell Duncan Ellison Wayne Galliher Ken Nentwig Robert Rubin	<ul style="list-style-type: none"> • Apr 2014: New project to investigate treated water quality (output), applications, and end use. Categorize by application/use. Data centre cooling, cooling tower makeup, landscape irrigation (surface/subsurface), toilet/urinal flushing, pool/spa fill, hose bibbs, vehicle washing, trap priming, automatic fire sprinklers, clothes washing • June 2014: Merge with Source Water Quality Group, scope revised to include both source and output waters. • August 2014: Refine usage tiers, combining evaporative cooling with non-potable, human contact applications.



Open Task Force (TF) Projects — CSA/ICC B805 JTC		
Project No. & Title	Task Force (TF) Members	Mandate, Actions, Status
	Nancy Springer Khosrow Farahbakhsh Linda Maley Troy Vassos	<p>Review use of e. Coli as an indicator microorganism, seek input from microbiologists on criteria for usage tiers.</p> <ul style="list-style-type: none"> • Nov 2014: Review usage tiers with water quality. • Dec 2014: Russ Jackson indicated the task force would take into account the feedback received at the ARCSEA conference and would meet again soon to get back on track. There is the Water Safety Plan approach, different inputs on thresholds. Boiling those ideas into single document is the challenge. If we do this, it may make what we've already done irrelevant. • Feb 2015: Alf Durnie and Task Force to review water quality threshold levels in 11.1.3 with water quality experts.
<p><u>RWH-14-04</u></p> <p>Control systems and design</p>	Doug Pushard (Chair) Mike Warren Pieter Devries Ken Nentwig Chris Despina Rob O'Donnell	<ul style="list-style-type: none"> • Apr 2014: New project to investigate control systems and design. Include safety, listings • June 2014: The task force met and developed a draft framework for the section. The group also focused on a definition for control. The TC discussed controls for fire suppression systems, which the task force will look into further in their work. • August 2014: Action items: Convert approach to code text and locate appropriate provisions for each. • Nov 2014: Action items: Draft provisions for Section 10, establish approach for residential vs. commercial. • Dec 2014: Task force continues to refine the point-of-use water quality criteria and is investigating a prescriptive set of criteria to use as an alternate for smaller residential systems.



Open Task Force (TF) Projects — CSA/ICC B805 JTC		
Project No. & Title	Task Force (TF) Members	Mandate, Actions, Status
		<ul style="list-style-type: none"> • Feb 2015: Task force to consolidate and simplify controls provisions with more emphasis on performance requirements. Additional information needed on ozone disinfection system controls.
<p><u>RWH-14-06</u></p> <p>System components design and materials and Tanks Subgroup</p>	<p>Dave Cantrell Alf Durnie Judy MacDonald Phil Parisi Joe Rogers Shawn Strausbaugh <i>Dan Nourian</i> Dana Schmidt <i>Mark Falgatter</i></p>	<ul style="list-style-type: none"> • Apr 2014: Outlined, but not started. • June 2014: New project to address collection systems, piping, tanks, etc. Merge in backflow and cross-connection control. • August 2014: Action items: Continue to review language, incorporating information from other sources. Setup sub-groups to address specific issues such as tanks as needed. Review and refine committee feedback from Meeting #3. • Nov 2014: Action items: Continue to review, revise and draft language. Initiate work of new sub-groups (the working group on tanks led by Dana Schmidt was activated). • Dec 2014: Task force continues to develop and refine the text for system components based on committee feedback and resource documents. Sub-group for tanks headed by Dana Schmidt is working to develop text specific to tanks using CSA B126 and IPC material to begin. • Feb 2015: Revision and consolidation of tank materials for placement in a separate annex. Create generic system component terms for consistent usage throughout the document. Develop consistent terminology for the indication of third-party certification vs. conformance for first party.

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Appendix B

Committee Member Coordinates

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Appendix C

Agenda for the Meeting